2005 - 2022

PAST PROGRAMS

ENERGY in the 21st Century

EighteenthAnnual
Symposium on Energy in the 21st Century
April 8, 2022
What will renewable energy look like in 2032

7:30am-8:00am

BREAKFAST ***SPONSORED BY RAV PROPERTIES***
NETWORKING

Pre-Symposium Videos

8:00am-10:15am

RHEA JEZER, Ph.D , **OPENING REMARKS**
President, Energy21, Symposium Director

GREETINGS & UPDATES

JOANIE MAHONEY, President, SUNY ESF
TOM DINAPOLI , NYS Comptroller (video)

DOREEN HARRIS, President/CEO (video)

TRANSPORTATION FOR THE FUTURE

BARRY CARR Director, eMobility and Electrical Infrastructure ABM

OFFSHORE WIND FOR THE FUTURE

WALT MUSIAL, Prncipal Engineer Off shore Wind NREL

JOB MARKET IN CLEAN ENERGY 2032

DEL VITALE, Director District 4 USW

RENEWABLE ENERGY IN THE GRID 2032

DAVID LOVELADY, Director of Distributed Operations National Grid

ROLE OF PUBLIC UTILITIES

RORY CHRISTIAN , Chair/CEO NY Public Service Commission

10:30am – 12:00pm **MODERATED PANEL DISCUSSION**

with all morning speakers

KIT KENNEDY ***Moderator***
Senior Director, Climate & Clean Energy Program NRDC

12:00pm– 12:45pm **LUNCH,** ***SPONSORED BY NATIONAL GRID***
12:45pm – 2:00pm **GREETINGS**

BEN WALSH, Mayor, City of Syracuse

SENATOR CHARLES SCHUMER (video)

Rhea Jezer, Symposium Director **PRESENTATION OF AWARD to NREL**

DAVID MOONEY, Ph.D , Executive Director, Institutional Planning, Integration and Development **ACCEPTANCE OF AWARD**
NREL TEN YEAR STRATEGY AND VISION

DAN REICHER, Ph.D , Senior Research Scholar, Stanford Woods Institute for Environment, Distinguished Associate at Energy Futures Initiative **KEYNOTE** ***TECHNOLOGY, POLICY AND FINANCE***

2:00pm **TOUR OF GATEWAY BUILDING**

17th Annual

Symposium on Energy in the 21st Century

April 16, 2021

Zero Emission Transportation
State, National & Global Initiatives

7:30am-8:00am

Pre-Symposium Presentation

8:00am – 10:30am

RHEA JEZER, Ph.D
President, Energy21, Symposium Director
Introductions

BASIL SEGGOS
Commissioner, DEC
Opening Remarks

WILLIAM MAGNARELLI
Chair, Assembly Transportation Committee
Greetings

DANIEL SPERLING, Ph.D.
Professor, University of California (Davis)
Director, National Center for Sustainable Transportation
California initiatives as a model; ZEV mandate

MATTEO MURATORI, Ph.D
Lead Alternative fuel vehicles and related infrastructure. NREL
Strategic advisor, USDOE
The present and future role of Electric Vehicles in the U.S. and Global Power Sector

JOSHUA SPERLING, Ph.D
Urban Energy-X Nexus
NREL
Sustainable Urban Living with Clean Transportation

JAKE NAVARRO
Director of Clean Transportation
National Grid
The Grid's role in EV's and Electric Transportation

ADAM RUDER
Assistant Director, Clean Transportation
NYSERDA
New York State Opportunities for Collaboration Public/Private Sector including School Buses

JARED SNYDER
Deputy Commissioner, Air Resources, Climate Change and Energy DEC
CLCPA & other Clean Transportation Policy Initiatives

JULIE TIGHE
President, New York League of Conservation Voters
Clean Fuels of NY Coalition; Low Carbon Fuel Standard

10:30am – 12:00pm

KIT KENNEDY, *Moderator*
Senior Director, Climate & Clean Energy Program NRDC
Moderated Panel Discussion

12:00pm

PAUL TONKO
Congressman, 20th Congressional District
Chair, Energy and Commerce Subcommittee on Environment and Climate Change
Federal Initiatives Update

Sixteenth Annual
Symposium on Energy in the 21st Century
PRESENTED VIRTUALLY
October 26, 2020

Creating a Net Zero Carbon Economy

8:00am – 8:30am

Pre-Symposium Program

8:30am – 10:30am

Presentations by Speakers

RHEA JEZER, Ph.D Symposium Director
President, Energy21 LTD
Introduction: a Global Warming Perspective

DOREEN HARRIS, Acting President/CEO
NYSERDA
New York's Nation-Leading Climate Leadership & Community Protection Act (CLCPA)

KELLY SPEAKES-BACKMAN, CEO
Energy Storage: Enabling a Clean Energy Future

GIL QUINIONES, President/CEO
New York Power Authority
Grid Modernization to Increase Flexibility

CHRIS KELLEY, COO
National Grid
Integration of Renewable into the NY Grids

JORDAN MACKNICK, Leader
Energy-Water-Land Analyst
National Renewable Energy Laboratory
Co-Location of Agriculture & Solar; Solar on water

Special Guest

SENATOR CHARLES SCHUMER
Federal plans to support renewable energy initiatives and job creation.

10:30 - 12:00pm

Panel discussion with speakers

KIT KENNEDY, *Moderator*
Senior Director, Climate and
Clean Energy Program NRDC

12:00pm – Wrap up

Fifteenth Annual
Symposium on Energy in the 21st Century
April 12, 2019
The Links East Syracuse, New York

ELECTRIFICATION and CLIMATE CHANGE

7:15am - 7:50am

Breakfast and Networking

8:00am - 10:15am

Presentations by Speakers

RHEA JEZER, Ph.D Symposium Director
President, Energy21
Introductions: Now is the time and WE are the energy

JEFF LOGAN, Chief Analyst
Strategic Energy Analysis Center
National Renewable Energy Laboratory
Framework for electrification

PAMELA MACDOUGALL, Ph.D
Science Center Fellow, Grid Integration
Climate & Clean Energy Program, NRDC
Plug in vehicles for the greener grid; grid integration

JOHN RHODES, Chair
Public Service Commission and
CEO Department of Public Service
Plans by PSC to meet Green New Deal goals.

JOHN BRUCKNER, President
NYS National Grid
Our grid will be prepared to integrate renewable energy

JULIE TIGHE, President/CEO
NYLCV
Legislation that is needed to attain the goal.
What can we do to push the envelope.

NATE BLAIR, Group Manager
Distributed Systems & Storage Analysis
National Renewable Energy Laboratory
Energy storage: Potential impacts on grid flexibility and electrification

10:30am - 12:00pm

Panel discussion with speakers

KIT KENNEDY, *Moderator*
Senior Director, Climate & Clean
Energy Program NRDC

12:00pm - 12:45pm

Buffet Lunch and Networking

12:45 – 2:00pm

Luncheon Speakers

ANTHONY BRINDISI, Congressman
What "Energy" to expect from DC in the next year

JEFF LOGAN
Around the World in 20 minutes:
Snapshots of Energy Innovation from Other Countries

2:00pm

Board buses for optional tours Check out electric cars and buses in parking lot

Fourteenth Annual

Symposium on Energy in the 21st Century

April 20, 2018

The Links East Syracuse, New York

Resiliency with Cleaner, More Affordable Renewable Energy

8:00am - 10:15pm

RHEA JEZER, President & Director
Energy 21, Symposium
Introductions: The Future Starts Today

JOE MARTENS, Director
New York Offshore Wind Alliance
ACE NY
Offshore Wind in New York State - Progress/Potential

ALICIA BARTON, President/CEO
NYSERDA
Accelerating New York's transition to a cleaner, more resilient energy

ROSS GOULD, Energy Sector Manager
Workforce Development Institute
Electrification of the Energy Sector: Are the jobs Resilient as Well

JOSE ZAYAS, Vice President
Strategic Partnerships & Initiatives
Cube Hydro Partners
Hydropower's Potential in the 21st Century

ARUN VEDHATHIRI, Director
New Energy Solutions
National Grid
Safety and reliability of the Grid with integration of Renewable Energy Sources

DAVID FELDMAN, Senior Financial Analyst
NREL
Financial, policy and market developments in the solar industry

10:15am - 10:30pm Short Break

10:30am - 12:00pm

Panel discussion with speakers

KIT KENNEDY, NRDC
Director Energy & Transportation Program
Moderator, Panel Discussion

12:00pm - 12:50pm

Keynote

ALICIA BARTON

President/CEO NYSERDA

Expectations and hopes for the future in New York State

2:00pm

Board buses for optional tours

Onondaga Lake Cleanup & Wetland Restoration; Fenner Wind Farm & Education Center; Budweiser Plant Sustainability; S.U. School of Engineering Grid Workshop; NEW Tour of Onondaga County Resource Recovery Facility; NEW Museum of Science Renewable Energy Exhibit

Thirteenth Annual

Symposium on Energy in the 21st Century

HOW CAN WE REACH OUR ENERGY GOALS?

New York State 50% by 2030 United States 30% by 2025

April 21, 2017

"The Links" E. Syracuse, New York

7:15am – 7:50am
Registration, Networking & Continental Breakfast

8:00am – 10:15am

RHEA JEZER, Symposium Director
Symposium on Energy in the 21st Century
Opening Remarks; Greetings and updates

JANET JOSEPH, Vice President
Technology & Strategic Planning
NYSERDA
How will New York State reach the goal of 50/30?

ALFRED GRIFFIN, President
NY Green Bank
What criteria is used to choose energy projects to support and finance? What is the Green Bank and what is its role?

ANNE REYNOLDS, Executive Director
ACE New York
50% and Beyond: What will it take New York to get there? How will offshore wind fit in?

JOHN SHINN, Director District 4
United Steel Workers
The importance and plans for of a well trained, well paid labor force to achieve our goals.

THOMAS DINAPOLI, Comptroller
New York State
How the office of the Comptroller can initiate energy efficiency while saving tax payers dollars.

DAVID MOONEY, NREL Center Director
Strategic Energy Analysis Center
National Renewable Energy Laboratory
Golden, Colorado. US Department of Energy
Renewable energy market trends and Impacts on Jobs and the economy

10:30am - 12:00pm Panel Discussion with Morning Speakers Moderated by:
KIT KENNEDY, NRDC
Director Energy & Transportation Program

12:00pm - 12:45pm Hot Buffet Lunch and Networking

12:45pm - 1:00pm Cybersecurity Briefing:
Dr. ERFAN IBRAHIM, NREL
Director Cyber Physical Systems Security and Resilience

1:00pm-1:50 KEYNOTE

Dr. DAVID MOONEY
Planning for the Future: High Wind and Solar Penetrations in the Electricity Grid

2:00pm ***Board Buses for Optional Tours:***

Fenner Wind Farm & Educational Center
ESF Woodchips to Ethanol Process;
Onondaga County Composting Facility
Onondaga Lake Cleanup & Wetland Restoration;
Budweiser Plant Sustainability
S.U. School of Engineering Grid Workshop

Twelfth Annual

Symposium on Energy in the 21st Century

THE ELECTRIC GRID

***CYBERSECURITY *INTEGRATION OF RENEWABLE ENERGY**
***MICRO GRIDS *WORKFORCE DEVELOPMENT**

April 8, 2016

"The Links" E. Syracuse, New York

7:15am – 7:50am

Registration, Networking & Continental Breakfast

8:00am – 10:15am

RHEA JEZER, Symposium Director
Symposium on Energy in the 21st Century
Opening Remarks

RICHARD KAUFFMAN
Chairman of Energy & Finance for NYS Office of Governor Cuomo
Renewable Energy in New York State: Overview

MATT DRISCOLL, Commissioner
NYS Department of Transportation
Fitting Transportation into the Mix

DENNIS ELSENBECK
Western Regional Director Energy
National Grid Western Division
Integrated Resource Planning with Market Engagement

ERFAN IBRAHIM, NREL
Center Director, Cyber-Physical Systems Security
Cybersecurity, Reliability, & Resilience in Integration of Renewable Energy Resources (DER) to the Grid

HERMAN WIEGMAN
Principal Engineer
General Electric Global Research Center
Viability and Value of Micro Grids; Gaps in Technology, Policy and Standards to Support Micro Grid Functions

MIKE LANGFORD
President, Utilities Workers of America
New Jobs Created by Renewable Energy Grid Integration

AARON MAIR, Sierra Club
National President
Environmental Prospective on the Paris COP 21 and a Just Transition

10:30am - 12:00pm

KIT KENNEDY, NRDC
Director Energy & Transportation Program
Moderator, Panel Discussion

12:00pm - 12:45pm

Hot Buffet Lunch and Networking

12:45 - 1:00

Symposium Lifetime Award: **E. CHRIS BECK**

Keynote

RICHARD KAUFFMAN

Chairman of Energy & Finance for NYS Office of Governor Cuomo

2:00pm

Tours: Fenner Wind Farm & Educational Center; ESF Woodchips to Ethanol Process; NYS Weatherization Training; National Grid Training Facility; Budweiser Plant SustainabilityNEW S.U. School of Engineering Grid Workshop** Networking**

Eleventh Annual

Symposium on Renewable Energy in the 21st Century

a division of Synapse Sustainability Trust

Renewable Energy: Perception vs. Reality

April 17, 2015

"The Links" E. Syracuse, New York

7:15am – 7:50am

Registration, Networking & Continental Breakfast

8:00am – 10:15am

RHEA JEZER, Symposium Director
Symposium on Energy in the 21st Century
Opening Remarks

BOB PERCIASEPE, President
The Center for Climate & Energy Solutions
Behavioral perception and action to address the twin challenges of energy and climate change.

ELEANOR STEIN
NYS Public Service Commission
REV (Reforming the Energy Vision)

MARSHA WALTON, Senior Project Manager
NYSERDA
Using behavior science to influence clean energy adoption in NYS

MIKE WILLIAMS, Vice President
Blue/Green Alliance
Jobs and clean energy economy

MELANIE LITTLEJOHN, Regional Director
National Grid
The Future of Energy Storage and Production in New York State

10:30am - 12:00pm

KIT KENNEDY, (Moderator)
Director Energy & Transportation Program, NRDC
Panel Discussion with Speakers

12:00pm - 12:45pm

Hot Buffet Lunch and Networking

12:45 - 2:00

Special Guest Speaker

N.Y. ATTORNEY GENERAL ERIC SCHNEIDERMAN

Symposium Award

KIT KENNEDY

Also: Honoring NRDC on its 45th Anniversary

2:00pm

Board Buses for Optional Tours: Fenner Wind Farm; ESF Woodchips to Ethanol Process; Networking; NYS Weatherization Training; **Budweiser Plant Sustainability; **SUNY ESF Gateway Building; National Grid Training Center; Fitzpatrick Nuclear Facility Tour

Tenth Annual

Symposium on Energy in the 21st Century

a division of Synapse Sustainability Trust

Renewable Energy: What Can We Expect in the Next Ten Years

April 4, 2014

"The Links" E. Syracuse, New York

7:15am - 8:00am

Registration, Networking & Continental Breakfast

Opening Remarks

RHEA JEZER, Symposium Director and Chair

8:15am - 10:15am

ASHOK GUPTA, Dir. of Programs & Senior Energy Economist, NRDC — *Renewable Energy: How Far Have We Come in the Past Ten Years & What Is Ahead*

DAN REICHER, Executive Director, Steyer-Taylor Policy Center for Energy Policy and Finance, Stanford University — *The Clean Energy Triangle: Technology, Policy and Finance*

Gary Brown, Chair, NYS Public Service Commission — *The Future of Renewable Energy in New York*

BOB CATELL, Chair, Advanced Research & Technology Center, Stony Brook University — *The Role of New Technology in Energy Future*

JOHN RHODES, President & CEO, NYSERDA — *How Will NYSERDA Continue To Encourage Renewable Energy Initiatives*

DAN KOLUNDZIC, Vice President, Nanos Research — *The Canadian Connection: Keeping the Renewable Portfolio Alive: Canada & U.S.*

KEN DALY, President, NYS National Grid — *Will the Grid be Ready for Renewable Energy in the Next Ten Years*

10:30am - 12:00pm

KIT KENNEDY, (Moderator) Clean Energy Counsel, NRDC — *Panel Discussion with Speakers*

12:00pm - 12:45pm Hot Buffet Lunch and Networking

1:00 - 1:50

Federal Prospects for Renewable Energy in the Next Ten Years

JOSE ZAYAS

U.S. Department of Energy(DOE), Office of Energy Efficiency & Renewable Energy (EERE)
Program Manager for Wind & Water Power Program

2:00pm

Buses for Optional Tours:Fenner Wind Farm; ESF Woodchips to Ethanol Process; SyracuseCOE; Synapse Gateway Demo Project; Networking; National Grid Training Center; NYS Weatherization Training

Ninth Annual

Symposium on Energy in the 21st Century

A Division of Synapse Sustainability Trust Inc.

Planning for a Net Zero Energy Footprint

Friday, April 12, 2013

At "The Links" in East Syracuse, New York

PROGRAM

7:15am8:00am *Registration, Networking & Continental Breakfast*

8:00am10:15am

Opening Remarks

Rhea Jezer, Ph.D, Symposium Director & Chair

Vita DeMarchi, Partner, Synapse Sustainability Trust

Greetings and Update

Frank Murray, President & CEO NYSERDA

Garry Brown, Chairman, NYS Public Service Commission

Richard Kauffman, NYS Chairman for Energy Policy and Finance

Net Zero Definitions and Possibilities; Successful Net Zero on a Large Scale: Army Installations

Jonathan Powers, Federal Environmental Executive, White House Council of Environmental Quality

Net Zero and Secure Energy

Jerry Davis, Senior Engineer, National Renewable Energy Laboratory, Denver, Col.

PlaNYC 2030; Comprehensive Initiative Toward Sustainability for a Large City

Sergej Mahnovski, Ph.D, Director of Energy Policy, NYC Office of the Mayor

Vision CNY; Net Zero for Communities

Chris Carrick, Program Manager, CNY Regional Planning & Development Board

Greening Cars & Trucks: Electric Cars/Alternative Fuels

Luke Tonachel, Senior Analyst, Energy & Transportation Program, NRDC

How to Organize, Finance, and Launch Local Energy Projects

Greg Pahl, Author, "*Power from the People*"

10:30am-12:00pm *Panel Discussion*

Kit Kennedy, (Moderator) Counsel to Air & Energy Program, NRDC

12:00pm - 12:45pm *Hot Buffet Lunch and Networking*

Posthumous Award to **John Mahoney**

Greetings

Joanie Mahoney, Onondaga County Executive

Keynote Address:

Future of Energy Policy, Federal and New York State

Richard L. Kauffman

Chairman for Energy Policy and Finance

New York State

Optional Tours Following Symposium: **Fenner Windfarm Tour; ESF Woodchips to Ethanol Process; Syracuse Center of Excellence; Synapse Downtown Gateway (Demo Project); Networking & Discussion**

Eighth Annual

Symposium on Energy in the 21st Century

A Division of Synapse Sustainability Trust Inc.

Looking Ahead to a Future in Renewable Energy

A Local & Global Perspective

Friday, April 27, 2012

At "The Links" in East Syracuse, New York

PROGRAM

7:15am *Registration & Continental Breakfast*

8:00am- 8:30am *Greetings & Introductory Remarks*

Rhea Jezer, Ph.D, Symposium Chair

Bill Magnarelli, NYS Assemblyman 120th

8:30am - 10:30am *Plenary Speakers*

Overview: The Importance of Renewable Energy for Climate Change; Legislative Initiatives

Michael Gerrard, Director Climate Center, Columbia Law School

Germany's Use of Solar Voltaic Energy: A Successful Model for Central New York

Ruggero Schleicher-Tappeser, Sustainable Strategies and Renewable Energy Journalist and Consultant, Berlin, Germany

New Initiatives for New York State

John G. Williams, *Director of Energy Analysis, NYSERDA*

Danish Wind Power Experience as a Model For Opportunities in the US Northeast

Willett Kempton, Ph.D, Professor, University of Delaware & Otto Mønsted Guest Professor, Denmarks Tekniske Universitet

Including Biomass as a Renewable Resource: National Initiatives for Wind, Solar & Biomass

Nathanael Greene, Director Of Renewable Energy Policy, NRDC

Incorporating Renewable Resources and Energy Storage Technologies

Garry Brown, Chairman, New York State Public Service Commission

10:30am-12:00pm *Panel Discussion with Plenary Speakers*

Kit Kennedy, (Moderator) Counsel to Air & Energy Program, NRDC

12:00pm - 12:45pm *Hot Buffet Lunch*

Presentation of 2012 Environmental Award to:

Joanie Mahoney, Onondaga County Executive

12:45pm - 1:45pm *Keynote Address*

Our Sustainable Energy Future

Attorney General Eric Schneiderman

2:00pm Optional Tours:

*Fenner Windfarm
*ESF Woodchips to Ethanol Process
*Syracuse Center of Excellence
*National Grid Training Center
*Discussion & Networking Session

Seventh Annual

Symposium on Energy in the 21st Century

A Division of Synapse Sustainability Trust

Reducing Our Carbon Footprint - Taking the Right Path

Friday, April 8, 2011

At "The Links" in East Syracuse, New York

PROGRAM

7:30am Registration &Continental Breakfast

8:00am- 8:30am *Introductory Remarks*

Rhea Jezer, Ph.D, Symposium Chair

Greetings **Sam Roberts**, Assemblyman 119th District

David Valesky, New York State Senator 49th District

8:30am - 10:30am *Plenary Speakers*

The Climate Crisis & the North East: Direct Impacts

Steven Leibo Ph.D. Professor, Russell Sage College

Individual Actions Add Up

Peter Lehner, Executive Director, NRDC

How Onondaga County Is Working To Limit Carbon Footprint

Joanie Mahoney, Onondaga County Executive

How Will New York State Approach Reducing Carbon Footprint

Joe Martens, Commissioner, DEC

Green Buildings: New Standards to Reduce Carbon Footprint

Rick Fedrizzi, President, CEO & Founding Chair USGBC

Sustainable Agriculture & Rural Development

Jill Harvey, NYS Director, Rural Development, USDA

How do we make this work in our state

Frank Murray, President & CEO NYSERDA

10:30am-12:00pm *Panel Discussion with Plenary Speakers Moderated by*

Kit Kennedy, Counsel to Air & Energy Program, NRDC

12:00pm - 1:30 Hot Buffet Lunch and Luncheon Speaker

The State of the DEC

DEC Commissioner Joe Martens

1:30pm Optional Tours:

- ***Fenner Windfarm***
- ***ESF Woodchips to Ethanol Process***
- ***Syracuse Center of Excellence***
- ***Fitzpatrick Nuclear Facility***
- ***National Grid Training Center***

$40 per person /$20 students or limited income including breakfast and lunch

$15 optional tour - transportation provided. To Register: www.energy21symposium.org

or contact *Dr. Rhea Jezer* : rjezer@gmail.com

Sixth Annual

Symposium on Energy in the 21st Century

"The Energy Highway"

Transmission, Collection and Distribution of Energy

Rhea Jezer, Chair

APRIL 16, 2010

The Links at Erie Village, East Syracuse, N.Y.

Program

7:30am Registration & Continental Breakfast

8 am Welcoming Remarks

Dr. Rhea Jezer, Symposium Chair

Greetings

Assemblyman William Magnarelli, District 120

Senator David Valesky, Vice President Pro-Tempore NYS Senate

Congressman Dan Maffei* ****Congressional schedule permitting***

8:30a.m. -10:15a.m Overview: Transmission and Distribution

Dr. Samir Succar , Senior Energy Analyst, NRDC

Distribution, Technologies, Flexible Demand

Thomas King, President, National Grid USA

Executive Director Electricity Distribution & Generation

Transmission: Power for Jobs - Hydro Power

Richard Kessel, President & CEO, New York Power Authority (NYPA)

Energy Efficiency

Frank Murray, President & CEO, NYSERDA

"Smart Grid:" Security Implications and Cost Allocation

Garry Brown, Chairman, PublicServiceCommission (PSC)

Integrating Renewables into the Grid; Moving New York Into the Right Direction

Carol Murphy, Executive Director, Alliance for Clean Energy New York

10:30 a.m -12 p.m. Panel Discussion with Morning Panelists

Kit Kennedy, Council To Air & Energy Program, NRDC, Moderator

All speakers will be on panel.

12:00- 2:00 BUFFET LUNCH - Greetings - Presentation - Keynote

Congressman Mike Arcuri* ****Congressional schedule permitting***

Presentation of Award to:

Russ Cary, Supervisor Town of Fenner

Keynote address

Thomas King, President, National Grid USA

Morning program including breakfast & lunch **$40 adult $20 student or limited income**

2 p.m. Optional Tours (Choose One) * SUNY ESF: Wood Chips to Ethanol Process (Syracuse, NY) ;* Fenner Wind Farm (Fenner, NY); * Morrisville State Biodigester (Morrisville, NY);* Fitzpatrick Nuclear Plant (Scriba, NY) ;*NEW National Grid Distribution & Training Center (Liverpool, NY) $15 charge for tours

2009 Energy Symposium at Cazenovia College: April 17, 2009

Cazenovia College in conjunction with The Gifford Foundation, Syracuse Center of Excellence, and the Environmental Finance Center at Syracuse University, proudly present the

FIFTH ANNUAL SYMPOSIUM ON ENERGY in the 21st CENTURY

SMART GROWTH & TRANSPORTATION
SOLUTIONS & OPTIONS FOR ENERGY CONSERVATION
April 17, 2009 ~

Program
7:30 - 8 a.m. - Registration & Continental Breakfast
8 - 8:30 a.m. - Welcome and Introductions:
Mark Tierno, President, Cazenovia College
Rhea Jezer, Senior Lecturer, Environmental Policy & Symposium Chair
U.S. Senator Kirsten Gillibrand (via video)
Joseph Boardman, President and CEO, Amtrak

8:30 - 8:45 a.m. - ***What are the Options for Smaller Communities?***
Matthew Dalbey, Senior Policy Analyst, U.S. Environmental Protection Agency â€" Development, Community and Environment Division, Washington D.C.

8:45 - 9 a.m. - ***The National Movement for Smart Growth Planning***
Geoff Anderson, President and CEO, Smart Growth America, Washington, D.C.

9 - 9:15 a.m. - ***Smart Growth Planning in New York State***
Paul Beyer, Director of Smart Growth Planning, NYS Department of State

9:30 - 9:45 a.m. - ***The Federal Transportation Bill***
Michael Arcuri, United States Congressman 24th District

9:45 - 10 a.m. - ***Towards a Sustainable Transportation Future***
Rich Kassel, NRDC, Senior Attorney & Director of Clean Fuels and Vehicles Project

10 - 10:15 a.m. - ***Putting Alternative Fuels and Technologies on the Road***
Ruth Horton, Program Manager, NYSERDA

10:15 - 10:30 a.m. - ***Can We Afford What We Need?***
Thomas DiNapoli, New York State Comptroller

10:45 a.m. - 12:15 p.m. - **Panel Discussion with Morning Panelists**
Moderator: Kit Kennedy, Special Deputy Attorney General for Environmental Protection, Environment Protection Bureau

12:15 - 1:45 p.m. - **LUNCH** (included in registration)
Buffet lunch catered by Cazenovia College Dining Services
Keynote Speaker: **Joseph Boardman**, President and CEO, AMTRAK
WHAT IS FAST RAIL? HOW IMPROVED RAIL CAN HELP PROMOTE SMART GROWTH & IMPROVE THE ECONOMY
Introduction: **Dan Maffei**, U.S. Congressman, 25th District
2 p.m. - **OPTIONAL TRIPS/TOURS**
(1-4 hours depending on trip selected): ESF - Wood Chips to Ethanol Process; Fenner Wind Farm;Morrisville Biodigester; Fitzpatrick Nuclear Power Plan (Scriba, N.Y.)

CAZENOVIA COLLEGE PRESENTS:

FOURTH ANNUAL SYMPOSIUM ON ENERGY in the 21st CENTURY

Seeking Solutions through Environmental Partnerships:
Government, Business, Environmentalists, Academics

April 11, 2008

FREE EVENT * SPACE LIMITED*
REGISTER at www.cazenovia.edu/energy

Program

7:30 - 8:00 a.m. Registration & Continental Breakfast

8:00 - 8:30 a.m.

Welcome Remarks
Mark Tierno, President, Cazenovia College

Introductions and Overview
Rhea Jezer, Senior Lecturer, Environmental Policy & Symposium Chair

Making the Case
David J. Manning , Executive Vice President, National Grid

8:30-8:45

Merger of Environment, New Business and University
Ed Bogucz, Executive Director, Syracuse Center of Excellence in Environmental and Energy Systems

8:45-9:00

Cost of Wedges - Mckinsey Report - Costs, Solutions, Markets and Policy
Theo Spencer, NRDC Senior Project Manager, Climate Center

9:15-9:30

NYS Green Building Collaborative - "Greening" Colleges, Schools & Businesses
Jodi Smits Anderson, Dormitory Authority, Director Environmental Programs

9:30-9:45

New York State Environmental Perspective
Lois New, Chief of Climate Programs and Partnerships, New York State Office of Climate Change

9:45-10:00

Making the Case for Solar Energy
Richard R. Perez, Atmospheric Sciences Research Center, SUNY-Albany

10:00 -10:15

Cellulosic Ethanol
Thomas Amidon, Professor and Director, Empire State Paper Research Institute at SUNY ESF

10:30 - 12:00

Panel Discussion Moderator with Morning Panelists
Kit Kennedy, Special Deputy Attorney General for Environmental Protection,
Environment Protection Bureau

12:15 -1:45 p.m. **LUNCH**:

Introductions: United States Congressman *Michael Arcuri,*
New York State Senator *David Valesky*

Luncheon Speaker
David J. Manning , Executive Vice President, National Grid
"Engaging the Customer: A Key Priority in any Successful Partnership"

2:00 pm **OPTIONAL TRIPS**: 1-4 hours, depending on trip (Must be arranged)
*ESF - Wood Chips to Ethanol Process/*Fenner Wind Farm/*Morrisville Biodigester/ *Fitzpatrick Nuclear Plant

To register or for more information go to: www.cazenovia.edu/energy or Rhea Jezer rjezer@twcny.rr.com

THIRD ANNUAL SYMPOSIUM ON ENERGY in the 21st CENTURY
"ENERGY SUSTAINABILE COMMUNITIES"
April 20, 2007

Program

7:30 - 8:00 a.m. Registration & Continental Breakfast

8:00 - 8:15 a.m. Welcome & Introductions

Mark Tierno, President, Cazenovia College

Rhea Jezer, Senior Lecturer, Environmental Policy & Symposium Chair

Ira Rubinstein, Chair, CEEP

8:15 - 9:00am **How to make the Bottom Line Both Green and Black**

Overview

Ashok Gupta, Director Air & Energy, NRDC

Economics of the Maple Ridge Wind Farm

Bill Moore, PPM Energy

Sustainable Energy effects on the workforce

Ed Murphy, Executive Director, Workforce Development Institute

9:00 - 10:45 **What Colleges and Communities Are Doing to Pursue Sustainability**

New York City Sustainability Initiatives

Rohit Aggarwala, Director, NYC Office of Long Term Planning and sustainability

Syracuse & Sustainability

Matt Driscoll, Mayor City of Syracuse

Auburn & Sustainable Innovations

Timothy Lattimore, Mayor, City of Auburn

Mike Long, City Manager/Director of Programs and Grants, City of Auburn

SUNY Environmental Science and Forestry (SUNY ESF)

Neil Murphy, President, SUNY ESF Campus Sustainable Practices and Initiatives

Morrisville College

Ray Gross, President Morrisville College, Bio-Digester Project

11 - 12:00pm **Panel Discussion**

How Viable will Sustainable Communities be in this Century

Ashok Gupta, Moderator Morning Panelists

12:00 -1:15 p.m.

LUNCH: Introductions: U.S. Congressman *Mike Arcuri*, N.Y.State Senator *David Valesky*

Kit Kennedy, Special Deputy Attorney General for Environmental Protection,
Environment Protection Bureau

TOURS: Leaving 1:30 p.m ($10 fee for bus). Morrisville College Bio-Digester (1 hr. RT) or Fenner Wind Farm (1 hr. RT) or FitzPatrick Nuclear Facility, Oswego (3 1/2 hrs. RT). Seating is limited for this **FREE** Symposium.

REGISTER ONLINE at www.cazenovia.edu/energy by April 6, 2007! This Symposium is the third in a series that will explore ways to meet an increasing demand for energy while ensuring a sustainable environment for future generations. The Symposium is purely educational in nature. The mission of this Symposium is to present a comprehensive understanding of the possibilities and to gain insights into possible solutions without endorsing any products, technology or positions. Join the academic community, statewide environmental and business community and elected officials on April 20, 2007 at Cazenovia College. For further information, contact Dr. Rhea Jezer, Cazenovia College, at rjezer@twcny.rr.com. Major sponsors include: Center for Economic and Environmental Partnership, Entergy, Sierra Club, New York Power Authority, NYSERDA

ENERGY IN THE 21ST CENTURY

GLOBAL WARMING: FROM CRISIS TO SOLUTIONS
IDENTIFYING THE TECHNOLOGY & POLICY ANSWERS
FRIDAY, APRIL 21, 2006
CAZENOVIA COLLEGE, CAZENOVIA, N.Y.

PROGRAM

Registration and Continental Breakfast: **7:30 – 8:00 a.m.**
Welcome and Introduction: **8:00 - 8:15 a.m.**
Dr. Mark Tierno, Cazenovia College President
Dr. Rhea Jezer, Symposium Chair
Ira Rubinstein, Center for Economic Environmental Partnerships, Inc.

PROBLEMS & CHALLENGES 8:15 - 9:15 a.m.

Global Warming – An Overview
Dale Bryk, NRDC
Problems Facing New York State
Denise Sheehan, Commissioner, NYS Dept. of Environmental Conservation (DEC)
Climate Change Initiative – The Role of Banks & Insurance Companies
John Cusack , President, Gifford Park Associates

POSSIBILITIES AND SOLUTIONS: 9:15 – 10:30 a.m.
Energy Planning Options
Peter R. Smith, President, NYS Energy Research & Development Authority(NYSERDA)
Coal - Reducing Carbon Emissions
David Berg, Chief Advisor/National Energy Policy, USDA
Nuclear Energy – Poised for a Renaissance
Dr. Gilbert Brown, Professor and Coordinator, Nuclear Engineering Program, University of Massachusetts, Lowell

Biofuels
Congressman Sherwood Boehlert, Chair, U.S. House Science Committee

PANEL DISCUSSION: 10:45a.m. – 11:45a.m.
Global Warming: Vision and Reality Discussion to Feature Morning Speakers
Moderator: **Dan Cummings**, WSYR NewsChannel 9

LUNCH: 12:00 -1:15 p.m.
Greetings from U.S.Senator Hillary Rodham Clinton (video)

Keynote: **Direction for Energy in the 21st Century for the United States**
Congressman Sherwood Boehlert

TOURS: Leaving 1:30 p.m. Buses will be provided FitzPatrick Nuclear Facility, Oswego (3 1/2 hrs.) or Fenner Wind Farm (1 hr. RT)

Cazenovia College

in conjunction with Center for Economic and Environmental Partnerships, Inc.

Presents

SYMPOSIUM ON ENERGY in the 21st CENTURY

Problems and Solutions

April 15, 2005

8:15a.m. – 4 p.m.

Registration and Continental Breakfast

Welcome and Introduction

Dr. Mark Tierno, Cazenovia College President

Dr. Rhea Jezer, Symposium Chair

PROBLEMS AND CHALLENGES

9:00 – 10:15 a.m.

Overview

Eleanor Stein, Albany Law School,Former Public Service Commissioner

Energy Generation and Global Warming

Kit Kennedy, National Resources Defense Council, (NRDC)

Electric Reliability

Peter Savio, New York State Energy Research Development Authority(NYSERDA)

POSSIBILITIES AND SOLUTIONS

10:15 – 11:15 a.m.

Wind Power

Douglas Ward, American Wind Energy Association (AWEA)

Solar Power

Dr. Gay Canough, NorthEast Sustainable Energy Association

Woody Biomass

Tim Volk, SUNY College of Environmental Science and Forestry

Fuel Cells

John Olenick, Chairman, NYS Fuel Cell Partnership

PANEL DISCUSSION

11:30a.m. – 12:30 p.m.

Forum: *What are the obstacles to renewable energy and how do we overcome them?*

Moderator – **Dan Cummings**, NewsChannel 9

Discussion with morning speakers

LUNCH (Sponsored by Community Energy)

12:30 -2:00 p.m.

Greetings

State Senator David Valesky, Ranking member Senate Environmental Committee

Keynote Speaker

Congressman Sherry Boehlert, Chair, U.S. House Science Committee

TOUR 2:00 p.m.

Fenner Wind Farm Tour –with Russel Carey, Town of Fenner Supervisor

Willow Bio Demo Farm with Tim Volk

Buses will be provided

This Symposium will explore ways to meet an increasing demand for energy while ensuring a sustainable environment for future generations. Join the academic community, statewide environmental business community and elected officials in discussing energy in the 21st century. Seating is limited for this free Symposium. Register online at www.ceepinc.org by March 26, 2005. For more information contact Dr. Rhea Jezer, Cazenovia College of Environmental Studies, at 315-727-0123 or 315-655-7368.