

# PROGRAMME



## Baltic Clean and Green Energy Conference

Tallinn University of Technology  
Tallinn, Estonia  
October 14-15, 2009

### Wednesday, October 14

TUT Main Hall

*Renewable Energy (wind, geothermal, biomass), Energy Efficiency,  
Electricity Grid Development, Grid-Appropriate Nuclear Reactors*

8:00 Bus departs from Radisson Hotel for  
Tallinn University of Technology

8:30 Check-in, coffee

#### 9:00 Welcoming Remarks

*Dr. Peep Sürje / Rector / Tallinn University of Technology*

#### 9:05 Overview of Baltic Energy Challenges

*H.E. Andrus Ansip / Prime Minister of the Republic of Estonia*

*H.E. Valdis Dombrovskis / Prime Minister of the Republic of Latvia*

#### 9:35 US Perspective on Global Energy Challenges

*Alan Hegburg / Deputy Assistant Secretary /*

*US Department of Energy*

9:50 Break

#### 10:10 Seeking Solutions through Renewable Energy Technologies and Energy Management Systems

*Peter Kiss / KPMG*

*Ziemowit Iwanski / GE*

*Marek Strandberg / Member of Estonian Parliament*

- How can better management of energy systems save both end-users and governments money?
- Which renewable energy technologies are best suited to each of the Baltic States?
- Are there any lesser-known technologies that can capitalize on the unique characteristics of each Baltic country?
- Please discuss some methods for balancing intermittency of renewable energy resources in order to maximize their effectiveness in the energy mix.

#### 12:10 Wind Power

*Kalle Kiigske / 4Energia*

- Is onshore or offshore wind power most appropriate for the region?
- What are some ways to minimize the expenses (especially maintenance-related) needed for wind energy?
- What are some technologies and best practices in use for balancing the intermittency of wind capacity? What advances in this field do you foresee in the future?
- What sorts of timelines do you anticipate in deploying new wind projects for each of the Baltic States? What are some of the challenges confronting deployment?
- How do you approach the classic "NIMBY" problem confronting new wind power projects and how will you avoid some of the less desirable environmental affects associated with wind turbines?

#### 12:45 Working Lunch with Alex Douglas

*Alex Douglas / Chief of Staff for Europe, Middle East, and Asia / AES Corporation*

#### 14:00 Biomass / Biofuels

*Tomas Harju-Jeanty / Foster Wheeler OY*

*Lars Guldbrand / Swedish Energy Agency*

*Dagnija Blumberga / Riga Technical University*

- Can biomass and biofuels be used interchangeably with other conventional fuels in power generation? What are some of the pros and cons?
- Can biomass realistically be used alone in a simple cycle plant, or is it better used in combined cycle along with conventional fuels?
- How cost-competitive are alternative bioenergy resources, in relation to other fuels, such as natural gas, for district heating purposes?
- How far off in the future are next generation biofuels? Are countries with developed agricultural sectors better off using straw and other farm waste products as feedstock for biofuels or burning them as biomass?
- What are some transferrable lessons learned from the Swedish and Finnish public and private sectors?

15:15 Break

#### 15:30 Energy Efficiency

*Meredydd Evans / Pacific Northwest National Laboratory*

- Why is energy efficiency important?
- How can Baltic governments promote energy efficiency?
- How can businesses in the Baltics get value from energy efficiency?
- What is the role of district heating in improving energy efficiency, and how can the Baltic States best make use of their district heating systems to improve overall energy efficiency?

17:00 Networking event and close of conference day 1

17:50 Bus depart from Tallinn University of  
Technology to Radisson Hotel

# Thursday, October 15

TUT Main Hall

8:30 Bus departs from Radisson Hotel to Tallinn University of Technology

## 9:00 Nuclear Energy

*Dan Ingersoll / Oak Ridge National Laboratory*

- What are the advantages to small and medium sized nuclear reactors over >1000 MW reactors?
- What sorts of regulations need to be in place for countries to effectively develop nuclear capacity?
- Are Baltic countries' electricity grids prepared for new nuclear capacity? Will they require better interconnectivity?
- Will increased nuclear capacity allow Baltic countries to become more cost-competitive compared to Nordic electricity markets?
- When will SMRs receive the required certifications from the US and EU on their designs?
- Is there potential for nuclear to act as a "balance" to less reliable renewable capacity? Can you explore that symbiotic relationship?

10:15 Break

## 10:30 Financing Clean Energy Projects Panel (US Government)

*Diana Jensen / Overseas Private Investment Corporation  
David Hester / US Trade and Development Administration*

- How can the US government support financing for new clean energy projects?
- What models of financing have seen success in the past?
- What are some lessons learned from US government energy project financing?
- How important is carbon pricing and how can carbon credits be used as part of the project finance structure?
- How do we structure the financial mechanisms so as to encourage alternative and renewable energy sources to compete with fossil fuels without additional incentives?

## 12:00 Lunch: A Message from the Presidency of the European Union

*Ambassador Mikael Eriksson /  
Energy Advisor to the Swedish Ministry for Foreign Affairs*

## 13:00 Financing Clean Energy Projects Panel (Regional Point of View)

*Peteris Strautins / DnB NORD*

*Julien Mauduit / European Bank for Reconstruction and Development*

- What is the role of EU stimulus money in renewable/ alternative energy projects?
- What is the role of state-run loan facilities?
- How important are feed in tariffs and how long should elevated feed in tariffs be guaranteed?
- How important is carbon pricing and how can carbon credits be used as part of the project finance structure?
- How do we structure the financial mechanisms so as to encourage alternative and renewable energy sources to compete with fossil fuels without additional incentives?

## 14:30 Interactive Break-out Sessions : Strategizing Sustainable Energy Futures in the Baltics

- Estonia
- Latvia
- Lithuania

16:00 Break

## 16:15 Breakout Groups Present Summaries of Findings

## 16:45 Wrap-up and Closing Plenary

Focus on the future of renewable energy in the Baltics and complying with EU 20/20/20 goals