



New Energy Cities Workshop City of Edmonds

January 27-28, 2011

Target Audience:

- Elected officials, other civic leaders, business/community leaders, educators, utilities, policy bodies, nonprofit leaders, developers, lenders

Workshop Goals:

- Bring together participants in the community who either have been involved in energy or broader sustainability efforts or have an interest, commitment, or stake in the decision-making around energy and infrastructure in Edmonds.
- Educate participants in the wide array of both emerging and established opportunities that exist for communities, cities, counties, and regions to transform their energy usage and infrastructure.
- Highlight or identify existing or potential projects and programs in Edmonds that could be developed or accelerated as in particular coordinated to create a coherent strategy around transforming Edmond's energy creation and usage.
- Create a Roadmap for Edmonds for developing a clean, efficient energy system over a 20-year period with a phased approach.
- Create an Action Plan that fleshes out the Roadmap
- Build momentum, enthusiasm, knowledge, and relationships among participants to carry forward into implementation of a new clean energy strategy.
- Involvement from participants on an ongoing basis to help achieve the Roadmap and Action Plan.

Workshop Outcomes:

- Participants leave with the same level of education about the rapidly evolving, dynamic new energy world.
- Participants will create a Road Map with the Climate Solutions team that will begin to chart Edmonds' new energy future.
- Climate Solutions will produce an Action Plan accompanying the Roadmap to guide next steps for Edmonds in implementing programs that will comprise its new energy system.



New Energy Cities

Pioneering the Clean Energy Economy in Northwest Communities

New Energy Cities Workshop Edmonds Center for the Arts Edmonds, WA January 27-28, 2011

Agenda

Thursday, January 27, 2011

- 8:00** **Coffee and Mingling**
- 8:30** **Welcome & Introduction**
Mayor Mike Cooper
- 8:35 – 9:00** **Introductions of Participants**
Participants in the Workshop will introduce themselves and their organizations/affiliation, and briefly highlight why they are interested in shaping Edmonds' energy future.
- 9:00 – 9:15** **Why are we here?**
Strom Peterson, Edmonds City Council President
Eileen V. Quigley, Director of New Energy Cities, Climate Solutions
- 9:15 – 9:35** **New Energy Cities Framework Concept**
Tom Osdoba, Director of the UO Center for Sustainable Business Practices
Overview of the Climate Solutions New Energy Cities program, which aims to accelerate Edmonds' transition to a clean, renewable, and super-efficient energy system. The concept centers on deploying smart power grids, green intelligent buildings, plug-in electric vehicles, and renewable power sources such as wind, solar, geothermal and biomass all together in one coordinated system and serves as a blueprint for jobs and innovation.
- 9:35 – 9:50** **Energy Snapshot of Edmonds**
Michael Mann, Founder, Cyan Strategies: Green Solutions for our Blue Planet
Overview of current energy sources and uses in the city of Edmonds and the city's greenhouse gas emissions profile.
- 9:50 – 10:30** **Buildings & Efficiency –Tom Osdoba/Michael Mann**
Overview of buildings and energy use; factors of building performance; the critical role that energy efficiency must play in building of all types; what a green intelligent building is and how it can achieve net zero energy use and production and integrate into the energy system. Discussion of what Edmonds might consider doing to achieve deep and comprehensive efficiency improvements in buildings and what implementation might look like.



New Energy Cities

Pioneering the Clean Energy Economy in Northwest Communities

10:30 – 10:40 Break

10:40 – 11:20 Distributed & Renewable Energy Technologies –Tom Osdoba/Michael Mann

A description of the available renewable energy technologies that are market-ready or likely to be so in the near-term (solar, wind, biomass, fuel-cells, etc.), including pros and cons and opportunities and challenges. A discussion of what distributed generation means, what technologies, applications, trends, and emerging models are in the marketplace.

11:20 – 12:00 Next Generation Energy Infrastructure: Smart Grid, District Energy, and Electric Vehicles—Tom Osdoba/Michael Mann

The New Energy System will entail significant improvements in our energy infrastructure — from an increasingly interactive and robust Smart Grid, to the expanded use of thermal networks to heat and cool buildings, to an accelerating transition from petroleum to electricity to fuel our transportation needs. We will explain what District Energy is and discuss the feasibility of implementation, the cost, and possible financial resources for the next generation of energy infrastructure.

12:00 – 1:00 Lunch and Learn featuring

Steve Klein, General Manager, Snohomish County PUD

Snohomish County PUD was one of the first utilities to adopt an official climate change policy and has committed to meeting new customer load through conservation and renewable energy. The PUD is a national leader in exploring tidal and geothermal energy sources.

Box lunches will be available.

1:00 – 1:15 US Representative Jay Inslee

Congressman Inslee is a national leader in the development of a clean energy economy and has represented the City of Edmonds in the U.S. Congress since 1998. Inslee serves on the House Committee on Natural Resources and was a founder of the Sustainable Energy and Environment Coalition.

1:15 – 2:00 Financing—Tom Osdoba/Michael Mann

Significant new sources of financing will be necessary to implement a New Energy System for Edmonds. The rapidly changing policy landscape and advancement of new program innovations create financing options for efficient infrastructure and technology projects. This session will describe the emerging direction for financing energy system development.



New Energy Cities

Pioneering the Clean Energy Economy in Northwest Communities

2:00 – 3:00 **Group Discussion: Intriguing Ideas and Emerging Priorities**
The New Energy Cities Team, lead by Eileen Quigley

Time for you to weigh in on the concepts you've heard today. Which approaches are compelling to you? What do you see as opportunities for the city of Edmonds? This session will use breakout and whole-group discussion to begin to call out and document a sense of priorities emerging from workshop participants. This material will provide a starting point for Road Map discussions tomorrow.

3:00 – 3:15 **Break**

3:15 – 4:30 **Roadmapping Exercise Part One—Tom Osdoba**

The Road Map is the culminating product of this day's work and includes short-term opportunities and actions needed for the long-term implementation of a new energy system.

4:30 – 5:00 **Recap of the Day /Next Steps**
Mayor Mike Cooper, Council President Strom Peterson, Eileen Quigley



New Energy Cities

Pioneering the Clean Energy Economy in Northwest Communities

New Energy Cities Workshop Edmonds Center for the Arts Edmonds, WA January 27-28, 2011

Friday, January 27, 2011

9:00 – 9:15 **Coffee**

9:15 – 9:30 **Agenda and Goals for Today**

Tom Osdoba, Director of the UO Center for Sustainable Business Practices

We will explain the process we use for helping participants come to consensus around shared goals that translate into mapping an Action Plan and the role that you will play during this morning session.

9:30 – 10:15 **Roadmapping Exercise Part Two & Action Plan Development for Edmonds All**

Building from yesterday afternoon's Roadmapping exercise that identified emerging priorities and projects, we will develop high-level goals and set priorities that might make sense to frame an effort by Edmonds to become a leader in the new energy economy. These goals, priorities, and potential projects are the key pieces that begin to inform how the Action Plan will be developed.

10:15 – 10:30 **Break**

10:30 – 11:45 **Continue Action Plan Development**

11:45 – 12:00 **Wrap-up & Next Steps**

Mayor Mike Cooper & Rhys Roth, Director of Strategic Innovation, Climate Solutions