Nuclear Reimagined and Meeting Clean Energy Goals: Why NGOs Care About the Clean Energy Ministerial NICE Future Initiative

September 26th, 2018
Some Housekeeping Items

Two Options for Audio (select audio mode):

1. **Listen through your computer.**
   - Please select the “mic and speakers” radio button on the right hand audio pane display.

2. **Listen by telephone.**
   - Please select the “telephone” option in the right-hand display, and a phone number and PIN will display.

3. **Panelists - Please mute your audio device when not presenting**

4. **Technical Difficulties:**
   - Contact the GoToWebinars Help Desk: 888.259.3826
Some Housekeeping Items (continued)

• To ask a question
  ➢ Select the ‘Questions’ pane on your screen and type in your question

• Share with others or watch it again
  ➢ A video/audio recording of this Webinar and the slide decks will be made available at: https://www.youtube.com/user/cleanenergypolicy
AGENDA

1. Welcome & Introductory Remarks

2. Overview of Nuclear Innovation: Clean Energy Future (NICE Future)

3. Panelists
   - Erin Burns, Senior Policy Advisor, Third Way Clean Energy Program
   - Spencer Nelson, Policy Associate, ClearPath Foundation

4. Question and Answer Session
Meet the Presenters

Dr. Shannon Bragg-Sitton
• Idaho National Laboratory
  – Manager of Systems Integration, Nuclear Systems Design and Analysis Division, Nuclear Science & Technology Directorate

Erin Burns
• Third Way Clean Energy Program
  – Erin Burns is a Senior Policy Advisor for Third Way's Clean Energy program, where she manages their carbon capture, energy innovation, and federal policy work.
  – Previously, she was a Legislative Assistant for Senator Joe Manchin, handling energy, environment, labor, and agriculture policy.
Meet the Presenters

Spencer Nelson

• ClearPath Foundation
  - Spencer Nelson is a Policy Associate at ClearPath Foundation, a Washington D.C. based nonprofit promoting conservative clean energy policy solutions. He oversees nuclear energy policy, science & innovation policy, and energy economics.
  - Before working on nuclear policy he also worked on solar energy policy in the Southeast U.S., as well as life cycle assessment of hydraulic fracturing.
Rationale for the NICE Future Initiative

- Nuclear energy is an important contributor to global clean energy supply, and will continue to play a role in meeting future clean energy goals
- Even so, strategic planning for future clean energy systems often does not include nuclear energy
- As a result, there remains a need for a dialogue on the role nuclear can play alongside other forms of clean energy

Objectives

Start a dialogue on the role that nuclear energy can play in bolstering economic growth, energy security and access, and environmental stewardship in support of clean energy goals.
- Bring nuclear to broader energy policy discussions and to non-nuclear audiences
- Build a dialogue between/among nuclear, renewables, and other clean energy sectors
- Explore full optionality and realistic trade-offs of a complete set of clean energy sources and technologies
Focus Areas for Activities under the NICE Future Initiative

I. **Technology evaluations** for policy makers of coordinated energy systems, innovative technologies, storage, and uses

II. **Engagement** of policy makers and stakeholders regarding energy choices for the future

III. **Economics**, including valuation, market structure, and ability to finance

IV. **Communicating** nuclear energy's role in clean, integrated energy systems

---

**Today**

Electricity-only focus

- Large Light Water Reactors
- Small Modular Reactors
- Advanced Reactors

---

**Potential Future Energy System**

Integrated grid system that leverages contributions from nuclear fission beyond electricity sector

- Heat
- New Chemical Processes
- Clean Water
- Hydrogen for Vehicles and Industry
- Industry
Panel Discussion

• Why does it matter that nuclear was included in the Clean Energy Ministerial for the first time?
Panel Discussion

• What role did ClearPath and Third Way play in launching the NICE Future Initiative?
Panel Discussion

• What are some of applications of advanced nuclear technologies?
Panel Discussion

• How can these energy systems be successfully integrated into communities and what would that look like?
Panel Discussion

• Where are advanced reactors in the US and Canadian licensing processes?
Panel Discussion

- What new ideas are on the horizon that could play a role in a clean energy strategy?
Question and Answers Session

Shannon Bragg-Sitton, INL

Erin Burns, Third Way

Spencer Nelson, ClearPath Foundation

Webinar recordings provided on YouTube

https://www.youtube.com/user/cleanenergypolicy
THANK YOU!

Your Participation is appreciated!