

Clean Energy Solutions Center and the Super-Efficient Equipment and Appliance Deployment

SEAD Electric Motor Awards Competition

January 15, 2014

January 22, 2014

Sean Esterly – CESC Moderator

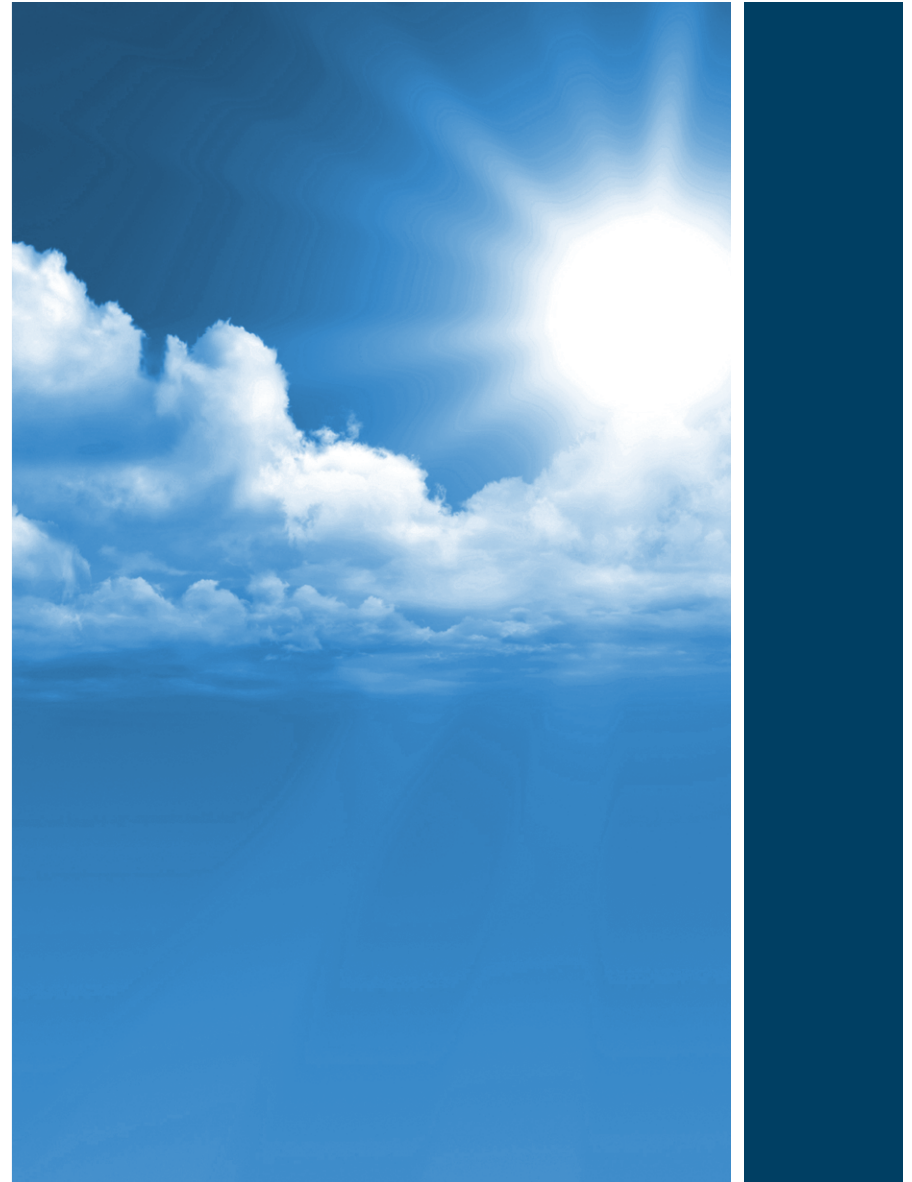
Mia Forbes Pirie – SEAD Moderator

Panelist:

Chad Gallinat, Ph.D. - U.S. Department of Energy

Dr. Hugh Falkner

Debbie Karpay Weyl - SEAD Initiative



Disclaimer

2

- *The Clean Energy Solutions Center does not endorse or recommend specific products or services. Information provided in this webinar is featured in the Solutions Center's resource library as one of many best practices resources reviewed and selected by technical experts*

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)

4

To ask a question

- **Select the ‘questions’ pane on your screen and type in your question**

Having trouble viewing the webinar?

- **PDFs of the presentations can be accessed at <https://cleanenergysolutions.org/training/>**
- **A video/audio recording of this Webinar and the slide decks will be made available at: <https://cleanenergysolutions.org/training/>**

Agenda

5

- ✓ Welcome and Introductory Remarks
- ✓ Overview of the [Clean Energy Solutions Center](#)
 - **Sean Esterly**: National Renewable Energy Laboratory
- ✓ Presentations - Panelists:
 - **Mia Forbes Pirie** – SEAD Moderator
 - **Chad Gallinat, Ph.D.** - Chair of SEAD Awards Working Group, U.S. Department of Energy
 - **Dr. Hugh Falkner**
- ✓ Question & Answer
 - **Debbie Karpay Weyl**, - Associate, SEAD Initiative
- ✓ Closing Remarks
- ✓ Survey

Clean Energy Ministerial & UN Partnership Supporting the Solutions Center

6

- Clean Energy Ministerial (CEM) launched the Clean Energy Solutions Center in April, 2011 for major economy countries
 - One of eleven CEM Initiatives
 - Led by Australia and U.S. with other CEM partners
- Partnership with UN-Energy is extending scope to support all developing countries
 - Enhance resources on policies relating to energy access, small to medium enterprises (SMEs), and financing programs
 - Offer expert policy assistance to all countries
 - Expand peer to peer learning and training



Clean Energy Solutions Center

<http://www.CleanEnergySolutions.org>

7

Goals

- Serve as a first-stop clearinghouse of clean energy policy resources.
- Share policy best practices, data, and analysis tools across countries.
- Deliver dynamic services that will enable expert assistance, learning, and peer to peer sharing of experiences
- Foster dialogue on emerging policy issues and innovation across the globe.

Target Audiences

- Primary:
 - Energy policy makers and advisors
 - Analysts
- Secondary:
 - Private sector companies,
 - Energy entrepreneurs and investors
 - Non Governmental Organizations
 - Civil society
 - Others engaged in clean energy



Ask an Expert: Our Experts in Action

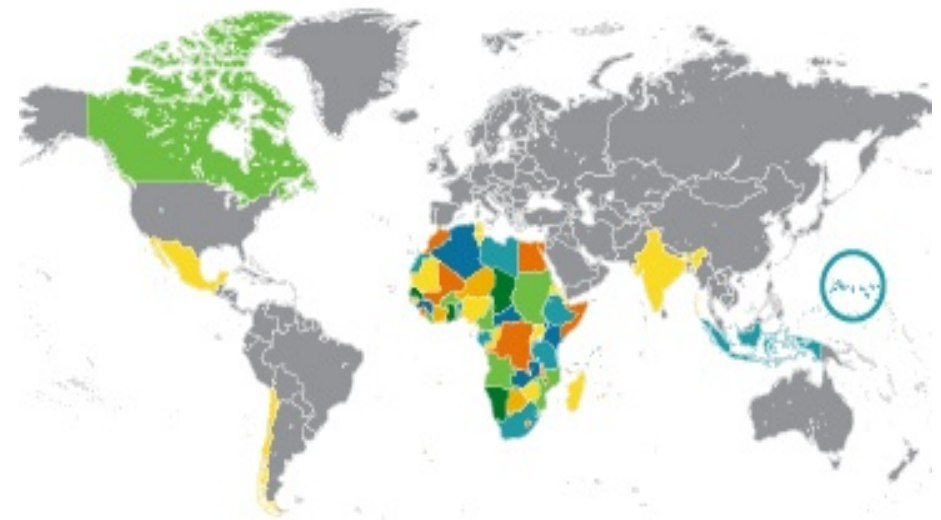
8



We connect you to a global network of energy experts for personalized attention and quick response technical assistance on **strategies, regulations, standards, financial incentives, and deployment programs** for a broad range of clean energy sectors and technologies including:



- Clean Transport
- Energy Efficiency
- Renewable Energy
- Energy Access
- Smart Grid
- Utilities



Requesting Assistance:

Register on <http://cleanenergysolutions.org/expert>

How You Can Get Involved

9

- Request expert assistance or tailored technical resources for your country
- Participate in webinars, training activities, and policy networks
- Offer advice and suggest resources to share
- Register for our newsletter



Chad Gallinat Ph.D. - Chair of SEAD Awards Working Group, U.S. Department of Energy

10



Chad Gallinat chairs the SEAD Awards Working Group. Dr. Gallinat joined DOE in 2013 as a Science and Technology Policy Fellow for the American Association for the Advancement of Science (AAAS). He is an accomplished materials scientist where his research made significant impact in the advancement of semiconductor technologies relevant to a host of light-absorbing and light-emitting applications including LEDs for solid state lighting. Prior to joining DOE, he worked in both the private sector and at a national laboratory on research initiatives with importance to both consumer goods and national security. Chad received a doctorate in Materials Engineering from the University of California at Santa Barbara for his work fabricating a technologically important light-emitting semiconductor material.

Debbie Karpay Weyl, Associate, SEAD Initiative

11



Debbie Karpay Weyl is an Associate at CLASP, providing programmatic support to the SEAD Global Efficiency Medal competition. Since joining CLASP in 2011, Debbie has participated in original technical research, dissemination and distillation of technical results for policymakers, and project management. Prior to joining CLASP, Debbie worked as a consultant to the US Department of Energy supporting energy efficiency programs in the United States. Debbie has a master's degree from the London School of Economics in environmental policy and international development.

Dr. Hugh Falkner

12



Dr. Hugh Falkner is a Chartered Electrical Engineer with 20 years international experience in various technical and managerial roles in energy efficiency and renewable energy consultancy. During his 7 years in industry, he designed transformers ranging from <math><1\text{W}</math> Switched mode types to >50kVA welding transformers, many still in production. He is an international expert on energy efficiency of rotating machinery (motors, pumps, fans, compressed air) and has extensive international experience of motor system energy saving audits and training (inc Brazil, China, Russia, South Africa, Thailand & EU)..

Mia Forbes Pirie - SEAD

13



Mia Forbes Pirie is an accredited mediator and facilitator, skilled at facilitating policy processes and experienced in negotiation and supporting dialogue between a wide range of parties. She has worked on two of the world's leading Appliance Standards programs: the US Appliance Standards Program (Lawrence Berkeley National Laboratory) and the UK Market Transformation Programme (the leading program in Europe). At Lawrence Berkeley National Laboratory she led on TVs and Ceiling Fans and Ceiling Fan Light Kits, as well as helping to build LBNL's Appliance Standards electronics capacity, specialization and reputation. On the UK Market Transformation Programme she led on impact assessments, household appliances; and consumer electronics (CE) and information and communication technologies (ICT). She also played a key role in the UK's Government Standards and Carbon Budgets analysis which sets the framework for government policy on Energy-related products for the coming years. As an independent consultant Mia provided advice to industry affiliations such as the Energy Efficiency Industrial Forum (EEIF) and the European Alliance of Companies for Energy Efficiency in Buildings (EuroACE) as well as organisations including the United Nations and the European Commission.

Time for Q&A

14

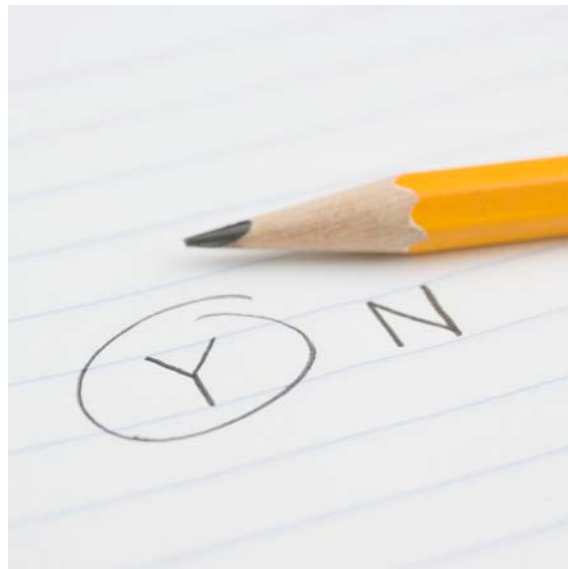
Questions



Survey

15

- How did we do?
- Your feedback is important!



Your participation is appreciated!

16

Thank you!

An audio recording of this Webinar will be available
following the webinar

Please visit:

<https://cleanenergysolutions.org/training>