

Building Momentum for Energy Efficiency Through Voluntary Targets and Improvement Programs

24 July 2019

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
- **Having trouble viewing the webinar?**
 - PDFs of the presentations can be accessed at <https://cleanenergysolutions.org/training>
- **Share with others or watch it again**
 - A video/audio recording of this Webinar and the slide decks will be made available at: <https://cleanenergysolutions.org/training>
- **Recordings are also available on our YouTube channel**
 - <http://www.youtube.com/user/cleanenergypolicy>

Disclaimer

- *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 practice resources reviewed and selected by technical experts*

Agenda

1

Welcome & Introductory Remarks

2

Overview of the Clean Energy Solutions Center

- **Matthew Keighley**, Clean Energy Solutions Center

3

Presentations

- **Ms. Shannon Hilsey**, Project Associate, WRI
- **Dr. Jing Hou**, Joint Postdoc Fellow, Lawrence Berkeley National Laboratory and Tsinghua University
- **Mr. Mao Qin**, Director, Urban Renaissance and Low Carbon Development Office of Changning
- **Ms. Carolyn Szum**, Program Manager, Lawrence Berkeley National Laboratory

4

Question and Answer Session

Clean Energy Ministerial

The Solutions Center:

- Launched under the Clean Energy Ministerial (CEM) in 2011

Clean Energy Ministerial:

- A high-level global forum to promote policies and programs that advance clean energy technology, to share lessons learned and best practices, and to encourage the transition to a global clean energy economy.



90%
of
Clean energy
investment

&

75%
of
Global CO₂
emissions

Solutions Center: Background & Vision

- Multilateral initiative, of the Clean Energy Ministerial, is co-led by the Australian Department of the Environment and Energy, and the U.S. Department of Energy.
- Additional funding from Power Africa & the Hewlett Foundation
- The Solutions Center is a unique CEM initiative assisting countries in all regions of the world in strengthening clean energy policies and finance measures
- Supporting transition of clean energy markets and technologies



Solutions Center: Goals and Audience

Programs and Services

- **Team of 50+ experts from around the globe responded to 350+ requests for policy support from more than 80 countries**
 - Extensive support across Africa, Asia, and LAC
 - Launched support for finance measures in 2015
- **Trained over 15,000 officials through more than 225 webinars and training events with others**
- **Strong & growing partnerships with development agencies and regional and global organizations in delivery of support**
- **Over 3,500 resources in curated library for policy makers**

Target Audiences

- **Primary**
 - Government Policy Makers and Advisors
- **Secondary**
 - Private-Sector Companies
 - Energy Entrepreneurs and Investors
 - Non-Governmental Organizations
 - Civil Society
 - Others Engaged in Clean Energy

Solutions Center: Partnerships

More than 35 international partners:

- Climate Technology Center and Network (CTCN)
- ECOWAS Center for Renewable Energy and Energy Efficiency (ECREEE)
- Inter-American Development Bank (IDB)
- International Energy Agency (IEA)
- International Partnership for Energy Efficiency Cooperation (IPEEC)
- International Renewable Energy Agency (IRENA)
- Low Emission Development Strategies Global Partnership (LEDS-GP)
- Renewable Energy Policy Network for the 21st Century (REN21)
- Sustainable Energy for All (SEforALL)
- United Nations Environment Programme (UN Environment)
- USAID Power Africa (USAID PA)

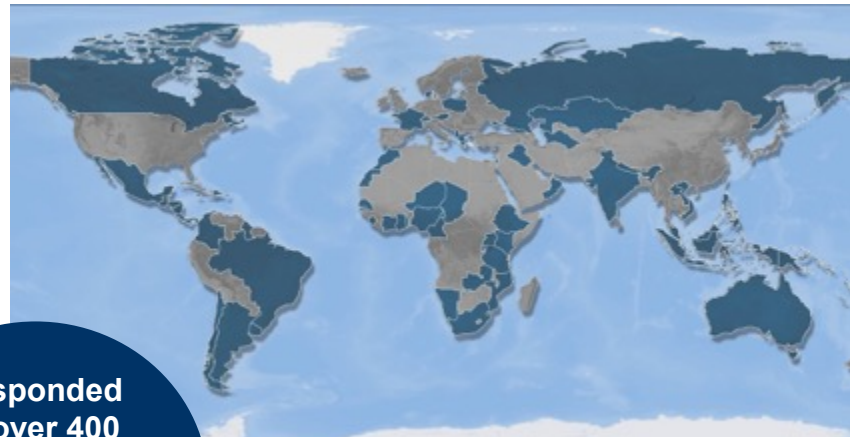


Ask an Expert: Our Experts in Action



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 energy transition programs** for a broad range of clean energy sectors and technologies including:

- Carbon Capture Utilization & Storage
- Energy Access
- Energy Efficiency
- Renewable Energy
- Smart Grid
- Transportation
- Utilities



Responded to over 400 requests for assistance from over 90 countries.

To request assistance, register on <http://cleanenergysolutions.org/expert>

Shannon Hilsey, Project Associate, WRI

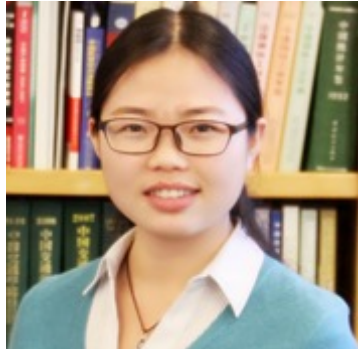


Shannon is a Project Associate with the Buildings Initiative at WRI Ross Center for Sustainable Cities.

She provides project and grant management, outreach and engagement, and research support for the Initiative's work on efficient and zero-carbon buildings and sustainable urban planning. For the past three years, one of Shannon's roles has been to support the growth of an expanding global partnership to accelerate the rate of energy efficiency improvement in cities worldwide.

Prior to joining WRI, Shannon was International Economic Relations Program Coordinator at American University, and previously worked as a legal writer. She holds a Master of International Affairs from the American University School of International Service, and a B.A. in Government from Cornell University.

Dr. Jing Hou, Joint Postdoc Fellow, LBNL and Tsinghua University



Dr. Jing HOU is a Joint Postdoc Fellow of Lawrence Berkeley National Laboratory (LBNL) on the U.S. side and Tsinghua University on China side. Before this, Dr. Hou got her Ph.D. in Engineering and Project Management from the School of Economics and Management, Beijing Jiaotong University.

With one and a half years' full-time work experience in the Ministry of Housing and Urban-Rural Development (MoHURD), China, Dr. Hou's research is mainly focused on policy research in fields including green buildings, building energy efficiency, low carbon cities, climate policy, and sustainable development. She has more than seven years' work experience with multi-institution including universities, government agencies, research institutes, businesses, and NGOs.

Mr. Mao Qin, Director, Urban Renaissance and Low Carbon Development Office of Changning



Mr. Qin Mao is the Deputy Director of the Urban Renewal and Low Carbon Project Management Center of Changning District, Shanghai; Engineer title; registered Supervision Engineer. As the Executive Director of the World Bank “Shanghai Building Energy Efficiency and Low Carbon City Construction Demonstration Project” Project Office, since 2012, Mr. Mao has been in charge of the implementation of the World Bank project.

During the period, he completed 27 research projects related to low-carbon cities, including the "Research on Constraint Policy ", "Research on Standardization Tool for Building Energy Audit and Retrofit Program", "Research on Commercial/Public Building Commissioning and Management Model", "Research on New Commercial/Public Building Whole Process Management", etc.. At the same time, he led the implementation of energy efficiency benchmarks for existing commercial/public buildings in Shanghai Changning District; the marketization construction of two near-zero buildings in Shanghai area; and the promotion low carbon and energy efficiency retrofit of 39 existing commercial/public buildings in Changning District, Shanghai.

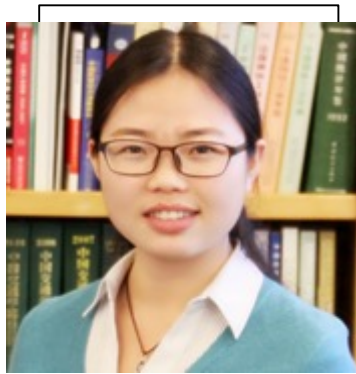
Ms. Carolyn Szum, Program Manager, Lawrence Berkeley National Laboratory



Ms. Szum is a Program Manager and Assistant China Energy Group Leader at Lawrence Berkeley National Laboratory (LBNL). She has 16 years of experience leading U.S.-China bilateral, and Asia regional, initiatives on clean energy. She currently serves as Executive Director for the U.S. Department of Energy (DOE) U.S.-China Clean Energy Research Center for Water-Energy Technologies (CERC-WET) program, providing senior management and leadership to a multi-university, international, multi-disciplinary scientific research center, which aims to build the foundation for the technologies and expertise to thrive in an energy and water constrained future. She is also co-Principal Investigator (PI) of the U.S. DOE U.S.-China Clean Energy Research for Center Building Energy Efficiency (CERC-BEE) Systems, Economic Analysis, and Modeling project.

In this capacity, she leads development of the Building Efficiency Targeting Tool for Energy Retrofits (BETTER) under a Cooperative Research and Development Agreement (CRADA) with Johnson Controls. She also heads an initiative to develop and pilot new specialized financial products and business models to increase private investment in building energy efficiency which was just named a 2019 Keeling Curve Prize Finalist for Climate Finance. Prior to joining LBNL, Ms. Szum was a Lead Managing Consultant at ICF International (ICF). She is a member of the China-U.S. Energy Efficiency Alliance Technical Advisory Group and previously served on the Hong Kong Building Environment Council (BEC) Energy Advisory Group, as Co-chair of the U.S.-China Energy Cooperation Partnership (ECP) Energy-Efficient Buildings & Design Working Group, and on the U.S.-China ECP Smart Grid Working Group. She has an M.A. in International Relations from the Fletcher School of Law and Diplomacy at Tufts University and a B.A. in International Studies and Business from Colby College.

Question and Answer Session



**Dr. Jing Hou, Joint
Postdoc Fellow, LBNL
and Tsinghua University**



**Mr. Mao Qin, Director,
Urban Renaissance and
Low Carbon Development
Office of Changing**



**Ms. Carolyn Szum,
Program Manager,
Lawrence Berkeley
National Laboratory**

Webinar recordings at the Clean
Energy Solutions Center
YouTube page:

<https://www.youtube.com/user/cleanenergypolicy>

Webinar recording, presentations,
and information on upcoming and
previously held webinars:

<https://cleanenergysolutions.org/training>

Your Participation is Appreciated!

THANK YOU!

Solutions Center home page to learn about our programs and resources

<https://cleanenergysolutions.org>

Webinar recordings, presentations, and information:

<https://cleanenergysolutions.org/training>

For more information on the “**Ask-an-Expert**” program:

<https://cleanenergysolutions.org/expert>