

Clean Energy Solutions Center and the Institute for Industrial Productivity

The Future of Industrial Energy Efficiency Finance in China

July 30, 2013

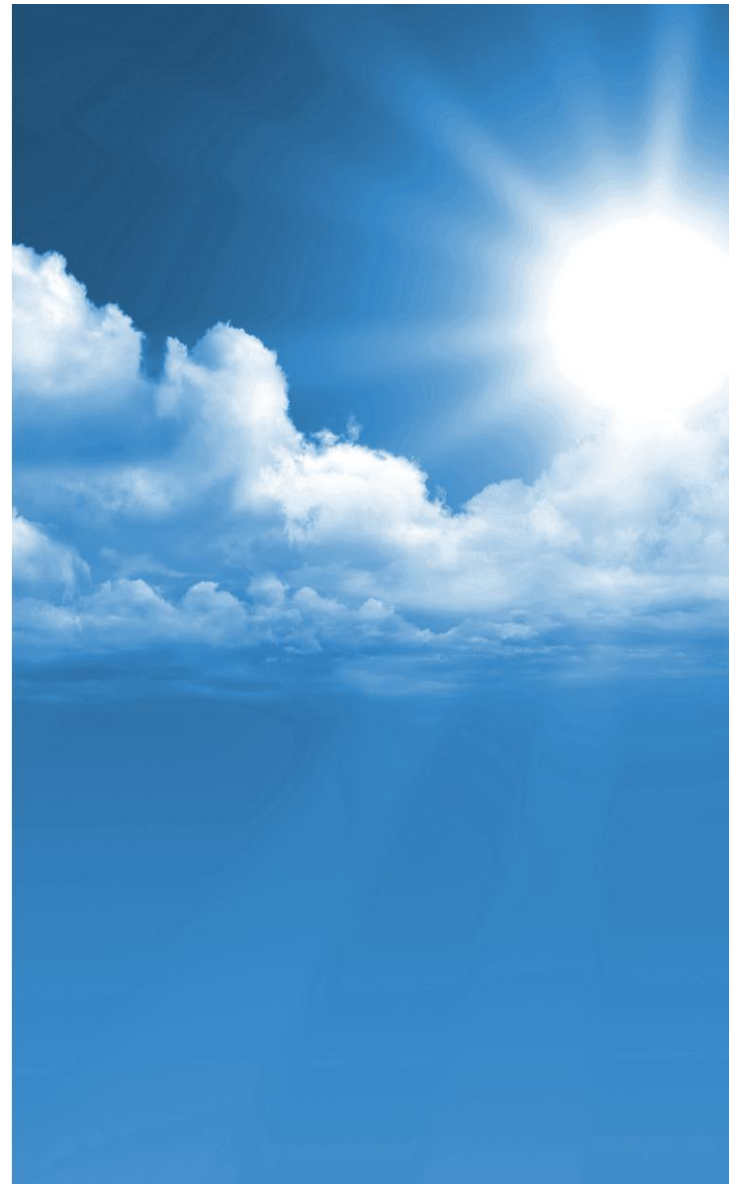
Vickie Healey – National Renewable Energy
Laboratory

Patrick J. D'Addario– Institute for Industrial
Productivity

Thomas K. Dreesen – Energy Efficiency Project,
Investment Company Limited

Dilip R. Limaye– SRC Global Inc.

Robert P. Taylor – Energy Pathways, LLC



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Some housekeeping Items (continued)

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- <https://cleanenergysolutions.org/training/industrial-energy-efficiency-finance-china>

Agenda

- ✓ Welcome and Introductory Remarks
- ✓ Overview of the [Clean Energy Solutions Center](#)
 - **Vickie Healey**: Project Leader, National Renewable Energy Laboratory
- ✓ Presentations - Panelists:
 - **Patrick J. D'Addario**: Senior Advisor for Financial Products, IIP
 - **Thomas K. Dreessen**: Chairman and CEO, Energy Efficiency Project, Investment Company Limited
 - **Dilip R. Limaye**: President and CEO of SRC Global Inc. and Senior Advisor to the World Bank
 - **Robert P. Taylor**: Principal at Energy Pathways LLC and former World Bank Energy Sector Leader of the East Asia and Pacific Region
 - **Panel Discussion - All**
- ✓ Panel Discussion – Patrick D'Addario, Moderator
- ✓ Question & Answer – Patrick D'Addario, Moderator
- ✓ Survey – Vickie Healey
- ✓ Closing Remarks – Vickie Healey

Clean Energy Ministerial & UN Partnership Supporting the Solutions Center

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- 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>

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

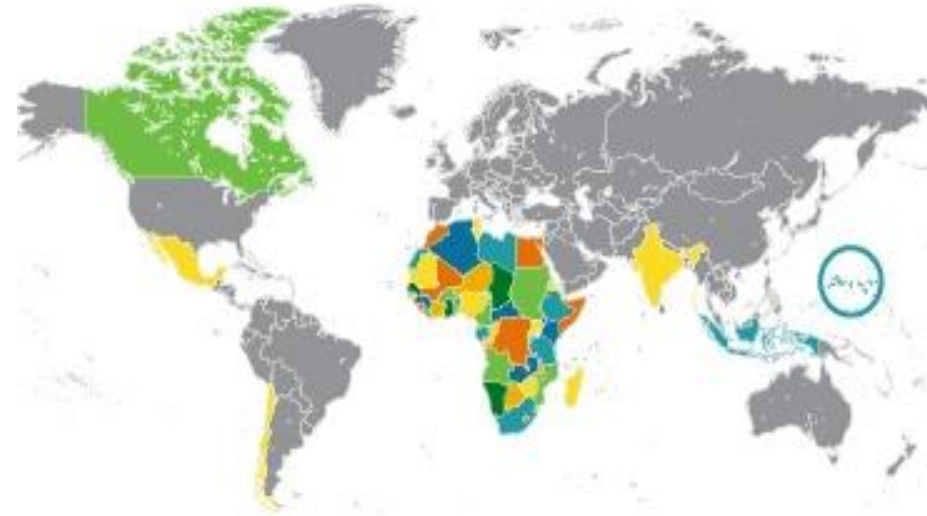


Ask an Expert: Our Experts in Action



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:

- Industrial Energy Efficiency
- Energy Access
- Building Energy Efficiency
- Renewable Energy
- Smart Grid
- Transportation
- Utilities



Requesting Assistance:

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

How You Can Get Involved

- 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
- Sign up for the newsletter



Patrick J. D'Addario, Senior Advisor for Financial Products, IIP

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Patrick D'Addario is IIP's Senior Advisor for Financial Products. He has over thirty years' experience in clean energy commercialization, finance, and marketing. He was formerly the president and founding director of the Fiorello H. LaGuardia Foundation (LGF) where he helped establish financial mechanisms and networks to support sustainable approaches to clean energy infrastructures and smallholder agriculture. Patrick has also worked for USAID's Environmental Cooperation Asia Program, where he managed energy efficiency finance programs in China and India; CTI-PFAN, the Private Finance Advisory Network of the Climate Technology Initiative; and he was involved in the establishment of the Renewable Energy and Energy Efficiency Partnership (REEEP), where he served on the Program Board. Other work experience includes being the Director of Latin America for the Golden Photon Corporation (now Kyocera Solar), the President of the International Fund for Renewable Energy and Energy Efficiency, the Assistant to the President of the Export-Import Bank of the US, and assistant to US Senator Paul Tsongas. He has also been a partner in consulting firms specializing in renewable energy commercialization and international energy and natural resources issues. A native of Buffalo, New York, Mr. D'Addario holds a Master of Public Affairs degree from Princeton University's Woodrow Wilson School and a BA from St. John's College in Annapolis, Maryland.

Thomas K. Dreessen, Chairman and CEO, Energy Efficiency Project, Investment Company Limited (EEPIC)

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Thomas Dreessen is a global expert in developing, financing and implementing savings-based energy efficiency projects (EEPs) at industrial facilities. He is currently creating new loan and savings guarantee products for the savingsbased financing of EEPs in China and Indonesia. His unique expertise in arranging the funding of EEPs with structured project debt and equity stems from 35 years of experience in 25 countries, where he created ESCOs or worked as a CEO. He is one of the pioneers in the ESCO industry, having formed one of the first US ESCOs in 1981, and served as the president of its industry association (NAESCO). His work experience includes the development and management of energy efficiency finance training workshops around the world. Mr. Dreessen is the Chairman of the International Committee of the Alliance to Save Energy as well as a member of its Audit and Finance Committee; and the Chairman of EVO and its “IEEFP” Committee. Mr. Dreessen holds a BBA in Accounting, an MBA in General Business from Lamar University, and became a Certified Public Accountant in 1974.

Dilip R. Limaye, President and CEO of SRC Global Inc. and Senior Advisor to the World Bank

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Dilip Limaye is internationally recognized as a pioneer and an entrepreneur with over 40 years of experience in energy efficiency, renewable energy, and energy services. He is President and CEO of SRC Global Inc. and senior advisor and consultant to the World Bank, the Asian Development Bank, IFC, IEA, UNEP, UNDP, USAID and other donor agencies on financing and implementation of clean energy to mitigate climate change impacts. Mr. Limaye holds two positions as the Chairman of the Board of Photonix Solar, a solar PV company in India, and Online Energy Manager, an international energy efficiency

technology company. He graduated from IIT-Bombay and was awarded the President of India Gold Medal, and has since completed graduate studies in business and alternative energy at Cornell University and the University of Pennsylvania's Wharton School, as well as completed the Executive Program on Global Climate Change and Economic Development at Harvard University. My Limaye is co-author of two books recently published by the World Bank, one on financing performance contracting projects in the public sector, and the other on leveraging commercial financing for clean energy projects. He has also edited/co-authored seven other .books and presented over 40 technical papers at international conferences

Robert P. Taylor, Principal at Energy Pathways, LLC and former World Bank Energy Sector Leader of the East Asia and Pacific Region

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Robert Taylor is an independent advisor on energy development, with a particular focus on energy efficiency and China. He worked at the World Bank during 1982-2009, where he became the Energy Sector Leader for East Asia and the Pacific, and played a leading role in the development of energy efficiency programs and lending. He has worked on energy projects and strategic studies in many Asian countries, as well as in Latin America and Central Europe. He has been closely involved in energy efficiency programs and projects in China since 1981, as well as work related to energy supply and demand analysis, rural energy development, electric power development, improved methods of coal use, urban heating, renewable energy and greenhouse gas emissions abatement policies. Since 2009, Mr. Taylor has primarily worked on energy efficiency programs and projects in China for a variety of clients but always in close collaboration with Chinese government agencies, experts and companies. He lives between Beijing, China and Maryland, USA.

Time for Q&A

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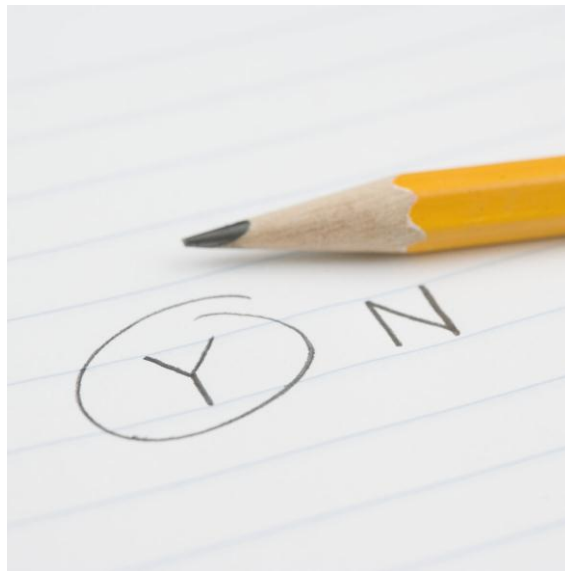
Questions



Survey

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



Your participation is appreciated!

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Thank you!

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