

CAPTURING THE MULTIPLE BENEFITS OF ENERGY EFFICIENCY

Roundtable on Industrial Productivity & Competitiveness Impacts

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International Energy Agency Headquarters
Monday, 27 January 2014, Paris, France

TIME	TOPIC	PRESENTERS
9:00am	Welcome and workshop opening	Philippe Benoit, Head of Energy Efficiency and Environment Division, IEA
	Introduction – IEA project overview and objectives	Nina Campbell, Multiple Benefits Project Manager, IEA
<p><u>Session 1. Indicators and methodologies for quantifying multiple benefits of industrial energy efficiency projects.</u> This session will cover on-the-ground experiences of assessing potential and actual non-energy benefits of industrial energy efficiency projects. Focus will be placed on indicators and methodologies, and types of data that are used or could be used to quantify non-energy benefits, and ultimately making the business case for companies to quantify multiple benefits.</p>		
9:30 - 10:10 am	Industrial non-energy benefits in Denmark - Methodologies used and results attained	Erik Gudbjerg, Director, Lokalenergi
	Measuring the Additional Benefits of Energy-Efficiency Improvements in Industry	Eric Woodroof, Profitable Green Solutions, United States
	Multiple benefits of energy efficiency in SME sector	Rod Janssen, Energy Efficiency in Industrial Processes
	Categorizing the non-energy benefits of energy efficiency in strategic terms to boost investments	Catherine Cooremans, University of Geneva
10.10 – 11:00 am	<p>Discussion:</p> <ul style="list-style-type: none"> • What are the top 5 indicators that are realistic and relevant? • What existing data collection systems or schemes can be used to collect or access necessary data for these indicators? • What are the selling points to get companies to start collecting data on non-energy benefits & how would you entice companies to share or report information? • What is the role of other actors – energy service providers, consultants, auditors? How best to get them engaged in tracking non-energy benefits? 	<p>Discussants:</p> <ul style="list-style-type: none"> • Erik Gudbjerg • Eric Woodroof • Rod Janssen • Catherine Cooremans • Hugh Faulkner, EMSA • Andreas Guertler, Foundation Director, EIIIF • Mirko Kruek, Managing Director, LEEN • Hannu Vaananen, Head of Public Affairs, ABB • Pedro Faria, Carbon Disclosure Project • Ian Leslie, Leslie Consulting
11:00 - 11:30 am: COFFEE BREAK		

Session 2. Indicators and methodologies for quantifying multiple benefits of industrial energy efficiency programmes and policies.

This session will cover existing and planned initiatives to integrate consideration of multiple benefits when assessing the impacts and results of energy efficiency programmes and policies. Focus will be placed on indicators of relevance in a policy context, methods to access data, methods to extrapolate data and how this information can be used to improve policy-making and strengthen the case for policies to support industrial energy efficiency.

11:30 am - 12:00pm	Integrating consideration of non-energy benefits in the Swedish energy management programme	Maja Dahlgren, Swedish Energy Agency
	Integrating consideration of multiple benefits in the Australian Energy Efficiency Opportunities programme	Greg Divall, Head of Energy Efficiency and Renewable Division, Department of Industry, Australia
	Discussion Non-energy benefits in US programmes – and steps towards global data collection	Bruce Lung, Industrial Energy Efficiency Advisor, on behalf of Department of Energy , United States
12:00 – 12:45 pm	<p>Discussion:</p> <ul style="list-style-type: none"> • The top 5 realistic and relevant indicators? • What existing data collection systems can be used to access necessary data for indicators? • How can information collection be streamlined to ensure minimum burden for companies? • Are there confidentiality/competition considerations? How do we deal with these? • How to translate to benefits for industrial energy efficiency programmes (more funding, greater participation, increased publicity) 	<p>Discussants:</p> <ul style="list-style-type: none"> • Maja Dahlgren • Greg Divall • Bruce Lung • William Garcia, CEFIC • Sarah Larsen, Danish Energy Agency • Ruben Kubiak, EU DG-Energy • Sarah Meagher, DECC, UK • John O’Sullivan, SEAI, Ireland • Julia Reinaud, IIP Network • Maartin Van Werkhoven, Consultant
12:45 – 2:30pm:	LUNCH	

Session 3. The bigger picture on industrial energy efficiency impacts

This session will focus on the synergies between industrial level and programme/policy level efforts – and what approaches could be used to ensure maximum benefits in terms of useful data and information with minimum efforts. The session will also cover the value of quantifying economy-wide benefits of industrial energy efficiency and a discussion on possible approaches and challenges.

2:30 – 3:10 pm	Multiple benefits of industrial energy efficiency policy – experiences from Australia and Mongolia	Patrick Crittenden, Director, Sustainable Business Pty Ltd, Australia
	Transferring lessons learned from other areas to industrial energy efficiency	Louis Mundaca, Associate Professor IIIIEE, Lund University, Sweden
	Driving industrial productivity through energy efficiency implementation	Bruce Lung, Industrial Energy Efficiency Advisor
	Towards more integrated approaches in assessing benefits of energy efficiency	Randall Bowie, Chief Consultant, Rockwool
3:10pm – 4:00pm	<p>Discussion:</p> <ul style="list-style-type: none"> • What are the top 5 economy-wide non-energy benefits of interest? • What methods are available to extrapolate data from company and programme level to capture economy wide benefits? • What can we learn or borrow from efforts in other areas? 	<p>Discussants:</p> <ul style="list-style-type: none"> • Patrick Crittenden • Louis Mundaca • Bruce Lung • Randall Bowie • Evelyn Bisson, DG Energy and Climate, France • Mathieu Bordigoni, EDF R&D

	<ul style="list-style-type: none"> • Etienne Kechichian, International Finance Corporation • Andi Novianto, Coordinating Ministry for Economic Affairs, Indonesia • Clemens Rodhe, ISI • Jonathan Sinton, World Bank
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4.00 - 4:30pm : COFFEE BREAK		
Session 4: <u>The IEA Handbook on Multiple Benefits: Conclusions on feasible methodologies, remaining gaps, challenges and the way forward</u>		
<p>This discussion will be structured around IEA background paper circulated in advance of this Roundtable, with a view to providing concrete guidance to the IEA on the key messages for the Multiple Benefits Handbook. It will build on the preceding discussions with the goal of identifying a set of indicators and promising approaches to collect and synthesize data, that could be recommended as a feasible basis for future work in this area. The session will also aim to identify key challenges and solutions as well as areas requiring further analytical work. Finally, the group will consider how to raise the profile of multiple benefits within companies and in policy design, and how best to use this information to effectively drive energy efficiency investments and implementation.</p>		
4:30 – 5:30 pm	<p>Presentation of the IEA background paper and questions for the handbook chapter</p> <p>Discussion:</p> <ul style="list-style-type: none"> • What are the 3 areas in which IEA guidance/recommendations would have the biggest impact? • What are the top 3 challenges and how do we tackle them? • Filling the gaps: What steps are needed to go from good ideas to actions? • Communicating multiple benefits: how to raise the profile of multiple benefits within companies AND in the policy making process? • What key messages should go to politicians about the non-energy impacts of energy efficiency in industry? 	<p>Vida Rozite, Industrial Energy Efficiency Policy Analyst, IEA</p> <p>Discussants:</p> <ul style="list-style-type: none"> • Smail Alhilali, UNIDO • Nils Borg, ECEEE • Conrad Brunner, Sustainable Energy Advisors • Stephen Fawkes, EnergyPro Ltd. • Jean-Jaques Marchais, Schneider Electric • Gianpiero Nacci, EBRD • Josephine Rasmussen, University of Linköping • Jigar Shah, IIP Network • Christian Stenqvist, Environmental and Energy Systems Studies, Lunds University • Hannes MacNaulty, Consultant
5:30 pm	CLOSE OF WORKSHOP	