



**Asia-Pacific
Economic Cooperation**



Australian Government
**Department of Climate Change
and Energy Efficiency**

APEC LED Workshop Policies to Protect and Educate Consumers

**York Hotel, Singapore, 1-2 November 2011
Programme**

08.30	Day 1: Workshop registration	
09.00	Welcome/Introduction <i>Objectives of the day</i>	
	LEDs: Where are we now and where are we going?	
09.40	LEDs – Current state of technology and industry and what the future holds <i>Operation, evolution, current capability pricing and applications</i> <i>Forecast for future improvement in lumen output, efficacy, quality, price and application</i>	Kathryn M Conway <i>Principal</i> <i>LED Consulting/Conway & Silver, Energy Associates LLC</i>
10.20	LED quality and efficiency – What are the challenges? <i>Performance test data, identification of key quality and efficacy issues, including information on regional LED quality from a recent ECO-Asia report.</i>	My Ton <i>Independent Consultant</i>
10.45	Questions	
11.00	Break	
11.20	Discussion – What issues are we facing? <i>What issues are governments and consumers facing with LEDs?</i>	
	Current status of international LED initiatives to protect the consumer	
11.40	International initiatives – Overview of initiatives underway	David Boughey <i>Assistant Director, Lighting and Equipment Energy Efficiency Team</i> <i>Department of Climate Change and Energy Efficiency</i>
12.00	Overview of the International Energy Agency's 4E Solid State Lighting Annex (IEA)	Marc Fontoynt <i>Operating Agent, IEA-4E Annex on Solid State Lighting</i>
12.30	Lunch	

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13.30	Overview of the IEC process and the function of the Regional Office	Damien Lee <i>Technical Officer IEC Asia-Pacific Regional Centre</i>
13.40	Current and developing IEC and CIE standards for LEDs	Kay Rauwerdink <i>Standards and Regulations Global Domain Leader: Luminaires Philips Lighting</i>
14.10	LED performance initiatives and Zhaga Consortium	Piet Derks <i>General Manager Lighting R&D China Philips Lighting</i>
14.40	Discussion – Working towards international consensus <i>How do these initiatives fit together to produce useful international harmonised testing and performance standards for LED products?</i>	
15.20	Break	
LED initiatives within the Asia region		
15.40	National Case Study – India	Vandana Thakur <i>Assistant Energy Economist Bureau of Energy Efficiency</i>
16.10	National Case Study – Japan	Masanori Sasaki <i>Assistant Director, Information and Communication Electronics Division Commerce and Information Policy Bureau, Ministry of Economy, Trade and Industry</i>
16.40	Discussion – What initiatives are underway in other APEC economies? What issues are generic to APEC economies? What are the key lessons we can learn? <i>Seeking a consensus on what might be important issues for standards, policies, enforcement, testing and whether there are opportunities to harmonise and/or share skills/ resources</i>	
17.10	Close	

19.00	Conference Dinner	
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8.30	Day 2: Arrival	
	Key actions for APEC economies	
9.00	LEDs – What performance criteria and information might be important to the consumer? <i>What are the performance criteria that will make LEDs acceptable to the consumer? What critical information do they need to make appropriate choices</i>	Kathryn M Conway <i>Principal LED Consulting/Conway & Silver, Energy Associates LLC</i>
9.30	Performance standards – Parameters <i>Overview of possible key performance parameters and concept of a tiered approach</i>	Steve Coyne <i>Director Light Naturally</i>
10.00	Steps towards a harmonised test methodology <i>Short overview of key issues relating to methodology, round robin testing, accreditation</i>	My Ton <i>Independent Consultant</i>
10.20	Discussion -- Parameters - finding a consensus	
11.00	Break	
	Immediate steps	
11.20	Working with stakeholders <i>Communicating with consumers, industry, test laboratories and other stakeholders.</i>	Nils Borg <i>Director Borg & Co</i>
11.40	Potential interim steps for national and regional action <i>What options are available at the local and regional level to protect the consumer before the arrival of international standards without falling into the same trap of regional divergence. Some ideas on performance guidelines, truth in claim, labels, voluntary standards, cooperation on testing and enforcement.</i>	Raquel Huliganga <i>Director Department of Energy, Philippines</i>
12.10	Discussion – How to engage stakeholders locally and regionally? What other capacity constraints exist? What constraints are restricting policy makers? <i>Facilitated discussion to establish how participants are engaging stakeholders, testing capacity is available, what national enforcement actions are happening if any. What barriers are in place, and are there any local/regional solutions?</i>	
12.40	Lunch	

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	Reaching a consensus	
13.40	LED Quality – Proposals for Collaboration on Testing and Compliance <i>Proposals for working together on Monitoring and Compliance (options for APEC region initiatives to share information on LED quality)</i>	Melanie Slade <i>Director, Lighting and Equipment Energy Efficiency Team Department of Climate Change and Energy Efficiency</i>
14.10	Discussion – Regional cooperation on monitoring and compliance	
14.30	Developing communiqué <i>What have we agreed?</i>	
15.10	Break	
	Street and outdoor lighting: An update	
15.30	APEC SOLLIA (Street and Outdoor LED Lighting Initiative – Asia) – Survey Findings <i>Presentation of information from APEC commissioned research and survey, including best practices for purchase, installation and maintenance of street lighting and other public outdoor lighting; and current status on LED street and outdoor lighting standards in APEC member economies.</i>	David Morgado <i>Environment and Energy Specialist International Institute for Energy Conservation (IIEC)</i>
16.10	Questions	
16.30	Concluding discussions	
17.10	Close	

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