PHASE-OUT 2008

Working Towards Global Phase-out of Inefficient Lighting

12-14 MAY Workshops and Factory Visits 14-16 May

PROGRAMME

Sofitel Hyland Hotel, Shanghai,
People's Republic of China

Australian Government
Department of the Environment, Water, Heritage and the Arts

GLOBAL ENVIRONMENT FACILITY

ALI

UNEP

UNDP

PHASE-OUT 2008
Working Towards Global Phase-out of Inefficient Lighting

Venue and date: Sofitel Hyland Hotel, Shanghai, China
Phase-out 2008: May 12 – 14, 2008
Workshops and Factory Visits: 14 – 16 2008

Day One – Monday 12 May

08.00 – 9.00 **Registration**

OPENING SESSION AND KEYNOTES
Efficient Lighting: An Economic and Environmental Imperative

9.00 – 9.15 **Welcome Address**

Removing inefficient lighting technologies provides major economic and environmental benefits and is gaining global momentum. This conference serves to bring countries together to share insights on the challenges presented and how best to maximise opportunities for all.

9.15 – 10.00 **Keynote**

Perspective on global importance of lighting to life.
Societal costs of lighting.
Phase-out is one of the critical actions for economic and environmental wellbeing.
A necessity to help the developing world to also reap the economic and environmental benefits.

SESSION 1: WHO IS (OR IS PLANNING TO) PHASE OUT WHAT, WHEN AND HOW
A Snap-Shot of Current Phase-out Plans around the Globe

10.00 - 10.30 **Asia Pacific**

What products/levels of performance are being phased out when?
Why these products/levels were selected and who was involved?
What policies are in place to support this action (regulations/ enforcement strategies, low income support, communications,…).
What energy savings and emissions reduction are expected.

10.30-11.00 **Break**

11.00-11.30 **Europe**

What products/levels of performance are being phased out when?
Why these products/levels were selected and who was involved?
What policies are in place to support this action (regulations/ enforcement strategies, low income support, communications,…).
What energy savings and emissions reduction are expected.

11.30-12.00 **North America**

What products/levels of performance are being phased out when?
Why these products/levels were selected and who was involved?
What policies are in place to support this action (regulations/ enforcement strategies, low income support, communications,…).
What energy savings and emissions reduction are expected.

12.00-12.45 **Discussion/Q&A**

Including an opportunity for other countries to briefly describe their plans.

12.45-14.00 **Lunch**

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SESSION 3: IMPLICATIONS OF PHASE-OUT ON THE GLOBAL DEMAND AND SUPPLY OF PRODUCTS
Can the Supply Chain Meet the Market Demand?

14.00-14.45 **Projections of Product Demand Under Various Phase-out Scenarios**
Projection of demand curves for a range of lighting products under various international phase-out demand scenario's, expected market trends and technology scenarios.

14.45-15.30 **Meeting the Demand – The Supply-side Perspective**
Industry's demonstrable desire to be green.
Transitioning of the global supply.
Where to now for incandescent production capacity in the developed and the developing world?

15.30-16.00 **Break**

16.00-16.45 **Transforming the Manufacturing Base to Support Phase-out**
The CFL example
Historical and current production levels for CFLs in China and Globally.
Problems for industry to increase production to meet anticipated global demand including:
- *Uncertainties in demand, therefore high risk and reluctance to invest;*
- *Issues concerning short term peak demand;*
- *Risk of too rapid growth with insufficient capacity (design, production, test facilities, ….).*

16.45-17.30 **Discussion and Day 1 wrap up**

SPECIAL SESSION MANUFACTURER AND PURCHASER INTRODUCTIONS HOSTED BY CALI

17.45-17.50 **Welcome to Manufacturer/Purchaser/Retailer Delegates**

17.50-18.20 **Corporate Introductions to Each Buyer/Retailer**
5-10 minutes for each retailer/purchaser to provide overview of company and activities.

18.20-18.50 **Corporate Introductions to Each Supplier**
5 minutes for each manufacturer to provide overview of company and activities.

18.50-19.00 **Arrangements for one-to-one purchaser/manufacturer meetings and close**

CONFERENCE HOSTED DINNER

19.15 – 22.00 **Shanghai Lu Bo Lang Restaurant**
Shanghai Lu Bo Lang Restaurant is located by the nine-twist zigzag bridge in the Old City God Temple, facing the bustling downtown area in the south and overlooking the luxuriant garden in the north. It is a three-storied imitation Ming Dynasty building with black tiles and red balustrades and upturned eaves, setting off the Mid-lake Pavilion by its side. The restaurant has a quiet and graceful environment, antique and quaint in structure and rich in traditional Chinese national style. The dishes and snacks are fresh and beautiful in appearance, light and captivating, varied in cuisines, displaying a character of the times, popular at with Chinese and Foreign visitors. The restaurant has hosted heads of state from more than 40 foreign countries, such as President Clinton.

Day Two – Tuesday 13 May

SESSION 4: ESSENTIAL KNOWLEDGE FOR THE POLICY MAKER
Policy options for Phase-out

08.30 – 09.00	**Registration**
09.00-09.15	**Review of Day 1**
09.15-10.45	**The Policy Toolkit** *What are the key tools for Policy Makers for Phase-out?* • *Test methods* • *Performance levels* *Voluntary, Regulatory or Incentive based approaches?* *What are the advantages and disadvantages of each?*
10.45 - 11.15	**Break**
11.15-12.15	**Choosing the Right Approach** *How do you decide between different policies in the tool kit?* *How do you decide whether to act alone or with other regional or international partners?*
12.15-12.45	**Discussion/Q&A**
12.45-14.00	**Lunch**

SESSION 5: ESSENTIAL KNOWLEDGE FOR THE POLICY MAKER (Continued)
Creating the Conditions to Facilitate Phase-out

14.00-14.20	**Building a Compliance Framework – A Requirement Irrespective of Policy Approach** *Irrespective of whether which policy approach is taken, what key compliance elements are necessary for effective implementation of the policy. What are the key things to consider:* • *Development of mechanisms to allow identification of (and/or control of) products entering or being sold in the market;* • *Development of a penalty regime for the none compliance;* • *The supporting infrastructure and national/pan national communications.*
14.20-14.40	**Soft and Hard "Infrastructure" Requirements** *What are the key "Infrastructure" Requirements necessary for Phase-out? Including:* • *National and/or international testing methodologies;* • *National and/or international measures of performance;* • *Reliable Testing capability;* • *Mutual recognition of laboratories, product tests and programme accreditation.*
14.40-15.30	**Discussion/Q&A**
15.30-16.00	**Break**

SESSION 6: ESSENTIAL KNOWLEDGE FOR THE POLICY MAKER (Continued)

Phase-out: Available Lighting Technologies: Now and the Future

16.00-16.30 **Current Replacement Technologies**

What are the replacement lighting technologies available now and what are their advantages and disadvantages? Including:

- *Halogens*
- *CFLs*
- *LEDs*

16.30-17.00 **Future Replacement Technologies**

What technologies are coming, and when?

Just how super-incandescent?

The all purpose LED?

Truly dimmable CFLs for standard circuits?

A surprise?

17.00-17.30 **Discussion/Q&A**

Summary/Wrap-up of Day 2

Day Three – Wednesday 14 May

SESSION 7: INVOLVING THE STAKEHOLDERS
Phase-out: Sharing the Knowledge

09.00-09.45 **Involving the Stakeholders: A Necessity not an Option**
Who are the key stakeholders, and how can they be motivated to achieve the policy goals?
Educating your target audiences – development and implementation of a communication plan.

09.45-10.30 **CFL Issues - Current Knowledge, Potential Solutions**
Mercury – how much and is it a problem?
Lupus and other health issues.
End of Life and Recycling.

10.30-11.00 **Break**

SESSION 8: WORKING TOGETHER
What International Organisations and Initiatives Can Help and Support?

11.00-12.00 **International Collaboration**
Harmonisation – regional and international initiatives to develop and adopt harmonised testing and performance standards (ELI, Eco-Asia CDCP, CFLI).

Donors
Support from international organisations - GEF/UNDP – global and country projects.

Integrating International Effort
How to best bring together international and regional initiatives to achieve action on-the-ground.
Discussion/Q&A

SESSION 9: MAINTAINING THE MOMENTUM
Open Floor Discussion on Outstanding Issues and Future Actions

12.00-13.00 **Wrap up and summary**
What issues are outstanding and how can they be addressed:
Production/Demand Balance – what do industry need from individual governments/regulations and/or the international community?
Policy Making and Compliance Frameworks – what are the flaws and how can these be addressed?
Sharing best practice.
Infrastructure – what issues are critical barriers and how can these be addressed at the national and international levels?
Phase-out scheduling – communication and coordination.
Cooperative compliance – avoiding duplication by sharing check testing outcomes.
How do we avoid the fall-out from phase-out in the developed countries creating more problems to the developing?

13.00 **Close and Lunch**

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Day Three – Wednesday 14 May
Conference Side Event

CFL QUALITY WORKSHOP

CFL Quality: Everyone's Problem, but are there Solutions

Phase-out: Sharing the Knowledge

14.00 - 14.10	**Welcome**
14.10 - 14.40	**CFL Quality – Not Yet a Crisis But…** *Initial research suggests in the developing world 50% of CFLs are poor quality by even the most rudimentary measure. Why is there a problem, how big and what does the future hold: 250 CFL models from 7 countries are under test for quality and mercury content to identify the true scale of the problem and provide real information for Manufacturers and Government Decision makers.* *There are some solutions, not all markets suffer from quality problems without excessive costs- why?*
14.40 - 15.10	**The International CFL Harmonisation Initiative – Some of the Tools are Available** *A new international CFL testing protocol is imminent which will facilitate internationally agreed testing for all CFL performance characteristics.* *Proposals are available from industry for international adoption for multiple tiers of performance for bare, reflector and covered CFLs.* *Tools are available to help develop lamp quality and procurement programmes and to create effective enforcement regimes.*
15.10 - 15.40	**ELI – An Off the Shelf Quality Solution** *ELI certified products provide a readymade solution to those suffering problems with CFL quality – certification update and specification development.* *ELI certified products and specifications are being continually developed and recognised/adopted by an increasing number of governments and programmes worldwide – Australian phase-out plan, Lighting Africa, GEF/UNDP Global Lighting Initiatives etc.*
15.40-16.00	**Break**
16.00-17.15	**Panel Discussion** *Facilitated Panel discussion including major manufacturers, regulators and purchasers discuss potential solutions to the CFL quality issues and how to mobilise local, national and regional stakeholders to act.*

Day Four – Thursday 15th May

THE GLOBAL GEF PROJECT TO PHASE OUT INEFFICIENT LIGHTING IN GEF BENEFICIARY COUNTRIES

A Full day to develop a common agenda

The Global Environment Facility (GEF) has decided to provide financial, technical and policy assistance to facilitate the phase out of energy inefficient lighting in developing countries. The United Nations Environment Programme (UNEP) and the United Nations Development Programme (UNDP) are the implementing agencies for this innovative GEF project. The effort comprises a global project and a series of focused projects in a selection of national or regional markets.

GEF, UNEP and UNDP are convening a special meeting to develop, design, refine and finalize the global project. The discussions are intended to shape the activities, outcomes, and outputs of the multiyear collaborative efforts to help GEF beneficiary countries work out how to phase-out inefficient lighting in their own economies. The meeting intends to gather all relevant stakeholders: lighting industry representatives, government officials, international and national lighting institutions, NGOs, lighting and market transformation specialists.

The special session will build on the lessons learned during the previous 3 days.

Preliminary Agenda

09.00-9.30	**Overview of GEF mission & strategy** *Representative of the GEF will present the context of the proposed market transformation and review the process for developing and managing a GEF project.* *GEF implementing agencies will present how future activities will be developed, managed and integrated with the global climate change mitigation effort.*
9.30-10.45	**Barriers to a global inefficient lighting phase-out and how to remove them** *GEF intervention targets the removal of barriers to Greenhouse Gas reduction.* *Identifying all the barriers and listing all possible options to remove them will be discussed.* *Coordination with the other international initiatives to promote energy efficient lighting techniques*
10.45-11.15	**Break**
11.15-12.45	**Logical Framework Analysis** *Main project activities will be elaborated and analysed within a logical framework*
12.45-14.00	**Lunch**
14.00-15.30	**Elaboration of Budget** *Discussion on budget allocation, organization and mobilization of the various stakeholders around the defined activities*
15.30-16.00	**Break**
16.00-17. 30	**Organization of next steps, Timeframes, Wrap-up**

Day Five – Friday 16th May

Lighting Factory Visit – subject to sufficient interest from delegates. This is an optional tour for those who would like to visit one of the World's largest CFL manufacturers. It's a fascinating trip to an integrated factory that undertakes every part of the CFL manufacturing process, from ballast and tube production, through tube coating and mercury insertion and finally assembly and testing. However, be warned, the factory is located 2.5 hours travel outside Beijing, which means an early start and a late return, but does give delegates the chance to see more of China.