



ENERGY STAR® and Lighting: A Canadian Update

Phoenix, Arizona

February 25, 2008



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Canada

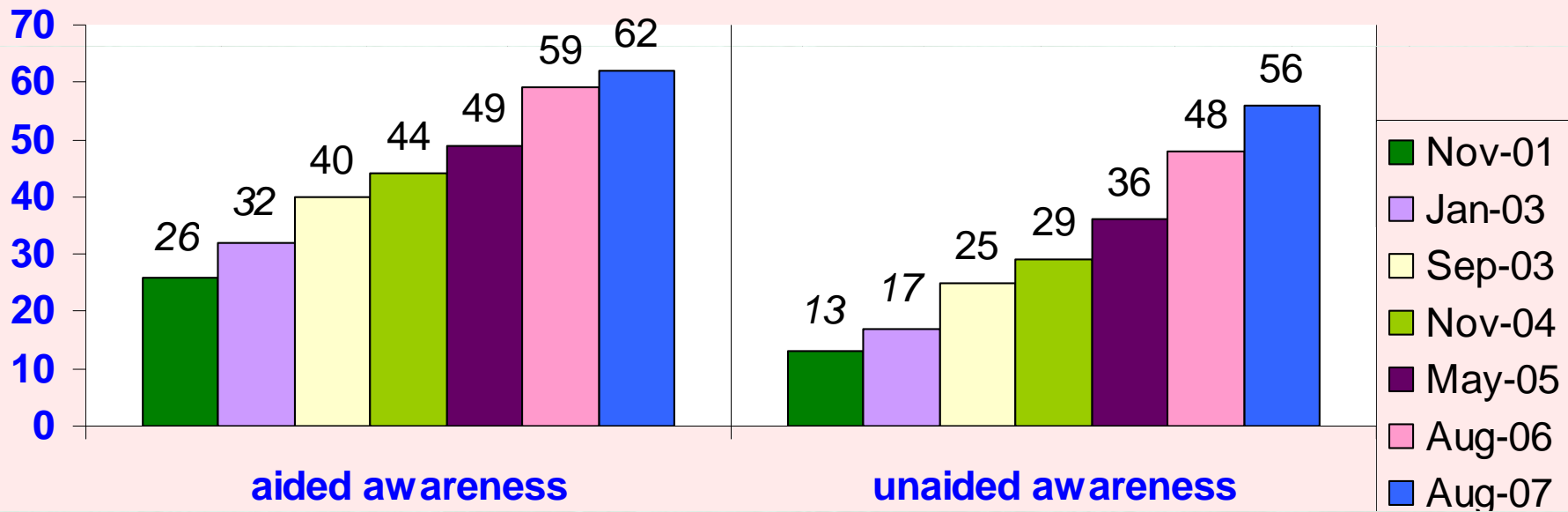
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Awareness

In 2005, results showed that when viewed, the recognition is very high: 80%





ENERGY STAR in Canada



ecoENERGY
an ecoACTION initiative

Lighting



Home
Electronics



Fenestration



Appliances



HVAC



Office
Equipment





ENERGY STAR Qualified



Compact Fluorescent Lamps

- Revised specs scheduled for 2008

Residential Fixtures

- In Canada since 2006
- Revised specs scheduled for 2008

Decorative Light Strings

- In Canada since March 2007
- Updated specs effective March 1, 2008

Solid State Lighting (LED)

- In development





Regulating Lighting Products



Existing regulations (effective date):

- General Service Incandescent Reflector Lamps (1996)
- Fluorescent Lamp Ballasts (Revised in 2006)
- General Service Fluorescent Lamps (1996)
- Exit Signs (2004)

Proposed new regulations (scheduled effective date):

- Traffic Signal and Pedestrian Modules (2008)
- Ceiling Fan with Light Kits (2008)
- Torchières (2008)
- Labelling requirements (2008)
- Mercury Vapor ballasts (2010)
- HID Ballasts (2010)

Proposed more stringent regulations for:

- ER/BR lamps (2009)





Minimum Energy Performance Standards



April 25, 2007:

- Announcement to phase out inefficient lighting by 2012.

Update:

- Canada's proposal awaiting final approval for pre-publication (75 days) in the *Canada Gazette* Part I
- Bulletin was sent to stakeholders on Dec. 24, 2007 stating general outline of 2nd proposal and is posted on our Web site
- Some changes may be made prior to final publication

Covered Products:

- Applies to lamps between 200 and 3000 lumens
- Medium screw based
- A, B, C, E, G, K, P, S, or T shape or similar types shapes
- Several exemptions
- Other standard for modified spectrum lamps



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Canadian Standard vs. U.S. Standard



- Standard based on lumen per watts (efficacy) per lumen output
- At lumen output of current 40, 60, 75, and 100 watt lamps, both standards are equivalent
- Same products will be eliminated in the U.S. and Canada
- Same exemptions
- Minimum life of 1000 hours required for both countries
- CRI > 80% for both countries
- Main difference in the modified spectrum lamp standard: Canada more stringent





SLIC: Strategic Lighting Initiative Committee



Objective:

- Collaborative effort established to oversee the work necessary to put in place the overarching market measures required to realize the vision of *"Transforming the incandescent lighting market to high efficiency alternatives by 2015"*.

Committee members:

- Electrical utilities, Canadian Electricity Association (CEA), provincial governments, NRCan, and others.

Activities:

- Implement the MEPS, establish a framework for further progress, move the market, codify further gains, track progress, remove technical barriers and labelling.



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CLIC: Canadian Lighting Industry Collaborative



Objective:

- Venue for discussing market transformation activities and focusing on technical and market issues concerning lighting technologies.

Stakeholders:

- Mainly manufacturers, some retailers, utilities and governmental representatives.

Activities:

- Lighting regulations, market studies, pilot projects, information sharing, strategic marketing and information campaigns, reviews of new technologies.



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Successes and Challenges



Successes

- Establishing MEPS for 2012
- Developing ENERGY STAR specs for DLS
- Launching Lighting for Tomorrow Competition

Challenges

- Educating Canadians on buying lighting products
- Expanding the offer of residential fixtures in Canada
- Labelling
- Mercury
- Recycling



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