



Canada Update

IEA 4E SSL Annex's 22nd Expert Meeting Online

Jennifer Veitch, National Research Council of Canada, in collaboration with Natural Resources Canada

October 8-10, 2019



Outline

- Roles and responsibilities
- Regulatory Update
- Lighting Activities
 - NRCan
 - NRC





Roles and responsibilities

- SSL Annex Natural Resources Canada (NRCan)
 - Jamie Hulan/Kim Curran/Rob Singlehurst Management representation
 - Diana Charest/Pierre Gallant residential/commercial technical and program expertise
- Task leader and technical expert National Research Council Canada (NRCC)
 - Jennifer Veitch Technical expertise and support, Lighting and Health effects





Regulatory update

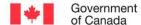
- No new regulations planned, status unchanged:
 - Lighting efficiency policy and regulations led by NRCan:
 - Canada's <u>Energy Efficiency Regulations</u> in force
 - Amendments 15 & 16, published 12 June 2019, came into force
 12 December 2019.
 - Provinces of Ontario, Québec and British Columbia have moved ahead with General Service Lighting regulation.





Related regulations

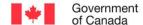
- Mercury regulations (Environment & Climate Change Canada)
 - Summary report of mercury-containing products imported or manufactured in Canada 2016-2019 under the *Products Containing Mercury Regulations* published: <u>Key results from the 2019 reports</u> <u>under the Products Containing Mercury Regulations</u>
 - <u>Consultation</u> on proposed amendments took place in 2018, with publication of amended Regulations expected in winter 2022





Related regulations

- UV-emitting devices (Health Canada)
 - Interim order came into effect June 7, 2021 requires any device (lights, wands, etc) that emits UVR to be registered or authorized under the *Pest Control Act*
 - If a medical claim is to be made, the Food and Drug Act also applies
 - Effectively this removes from the market any device that is not fully shielded or enclosed to prevent exposure to UVR





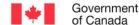
NRC activities in light and lighting

NRC Construction

- IEA 4E SSL Annex support to NRCan, Task 1 leadership
- Literature review on CIE S026 light exposure quantities → mood & behaviour
- Field test of a lighting solution to suit light-sensitive individuals
- Regional (IES) and international (CIE, ISO TC/274) committee work

NRC Metrology

- Photometry, spectrophotometry, colorimetry research
- Industry support, calibrations
- International standards support and outreach





Thank you!





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