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# Canada Update

IEA 4E SSL Annex's  
22<sup>nd</sup> 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 [Energy Efficiency Regulations](#) 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: [Key results from the 2019 reports under the Products Containing Mercury Regulations](#)
  - [Consultation](#) 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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