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Presentation to IESNA-SALC

Improving Energy Efficiency In Outdoor Lighting Applications

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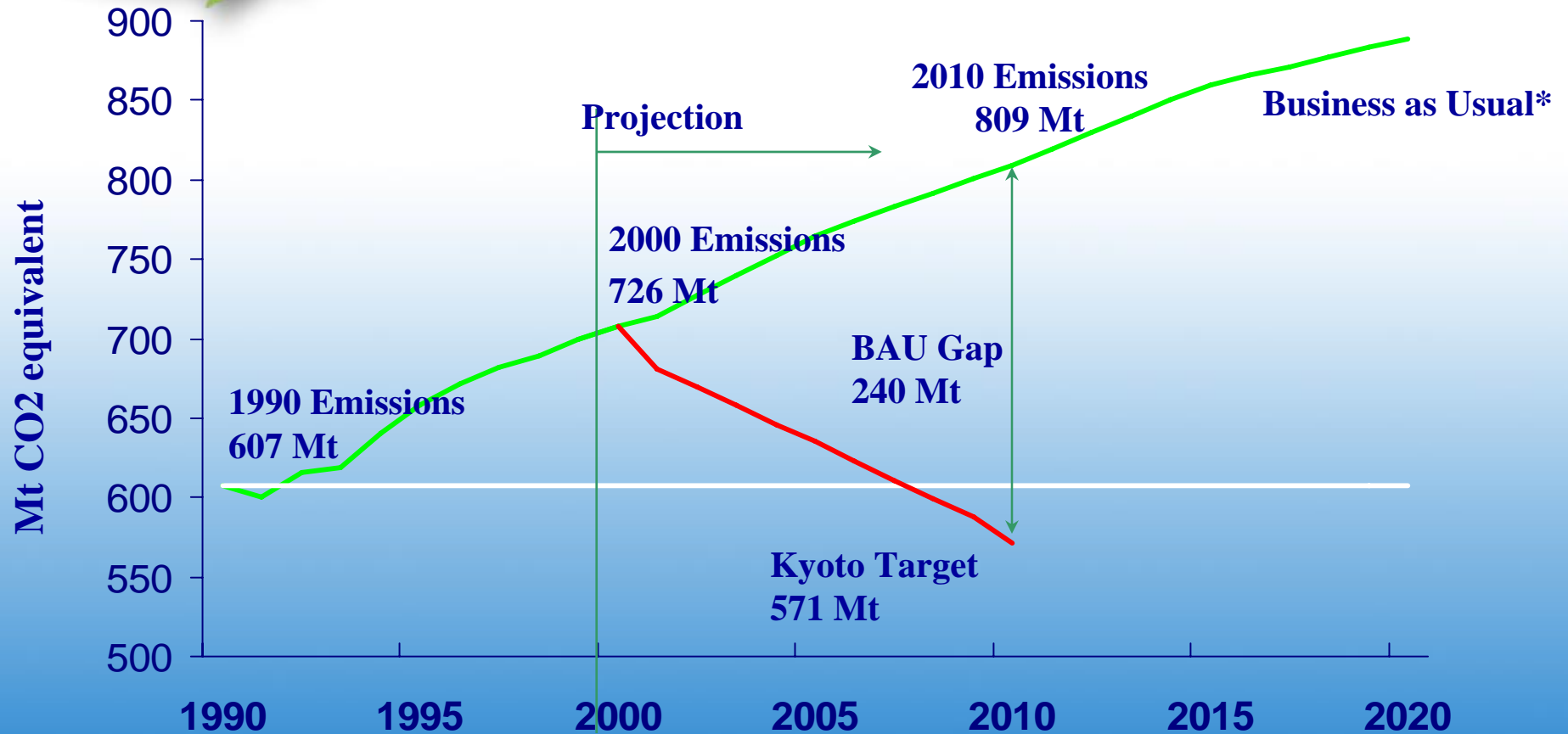
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The Challenge - Canada's GHG Emissions and the Kyoto Protocol



*Business-as-usual scenario factors in an estimated 60 MT of reductions from current voluntary measures



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Office of Energy Efficiency (OEE) Programs

The OEE is involved in all major energy end-use sectors applying a mix of policy instruments:

- Residential
 - New Housing – R2000
 - Existing Housing – EnerGuide for House
- Commercial/Institutional
 - New Buildings – CBIP
 - Existing Buildings – Energy Innovators Initiative
- Industrial
- Transportation
- Equipment (cross-sectoral)
 - Standards and regulations
 - EnerGuide comparative labelling
 - ENERGY STAR endorsement labelling





NRCan Interest in Outdoor Lighting

- Under the direction of Provincial and Federal Energy Ministers through the DSM Working Group
- One of five strategic areas of cooperation on a national scale
- Ongoing studies of Market and Technical potential





Opportunities

- Focus applications
 - Roadway
 - Parking Lot lighting
- High efficiency light sources / fixtures / designs
- Dimming (stepped or continuous) to variable IESNA Pedestrian Conflict levels
 - electronic ballasts
 - Control





Equipment Market Transformation Strategy

