



Solar hot water for BC local government operations

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Presented to:

SolarBC webinar for local governments

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Community Energy Association

Connecting communities, energy and sustainability

Supporters



Members



Why consider renewable energy?

- Climate change
- Energy & community security
 - Rising fossil fuel costs
 - Diversification of energy sources
- Meeting legislation
 - Bill 27
 - Climate Action Charter
- Saving money
 - Reduced energy bills & carbon tax
 - Reduced offset costs
- Developing a local green economy



City of North Vancouver
Source: Pro Eco Energy

Why consider solar hot water?

- Reliable
 - The sun has billions of years of energy left to give
 - Solar panel warranties up to 20 years
- Visible
 - Leadership & demonstration
- Community friendly & uncontroversial
 - Zero air emissions
 - Silent



Dawson Creek Public Works building
Source: City of Dawson Creek

Bill 27

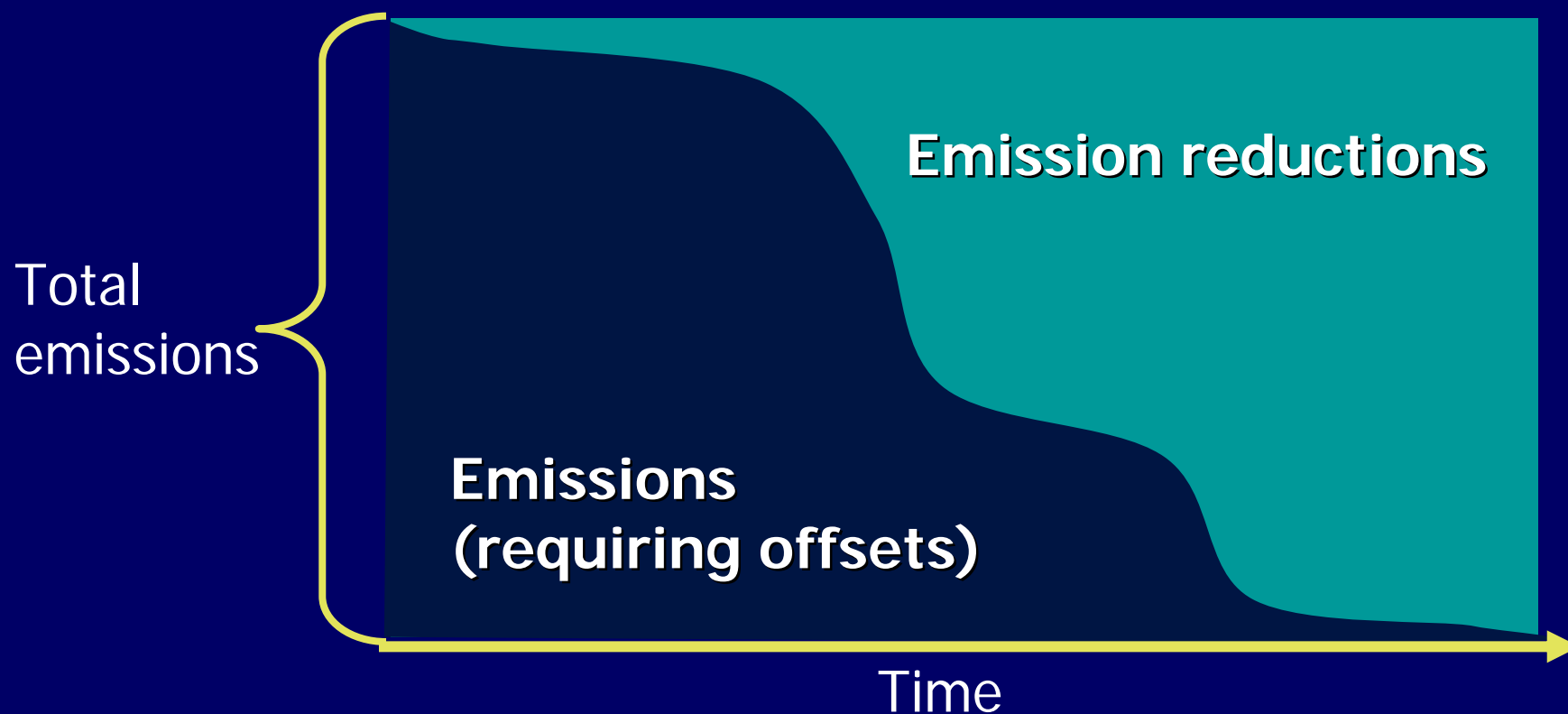
- GHG emission targets in OCP/RGS for whole community
- Community GHG reductions can be stimulated by:
 - Leading by example
 - Public demonstration of climate action



Hope & District Recreation Centre
Source: Coral Engineering

Climate Action Charter

- Carbon neutral LG operations by 2012
- Invest in LG facilities to minimize offset purchases



Economics an issue?

- EcoENERGY and SolarBC rebates
 - Up to 25% from each as long as funding lasts
- Payback versus \$/GJ
- Bundle solar with energy efficiency
- Additional funding
 - CEA's funding guide
- Pass capital cost to private sector
 - Energy Service Company OR Utility model
 - Saanich, Burnaby

Installation Options

OPTION 1 – Conduct energy efficiency audits

OPTION 2 – Proceed directly with solar hot water



Delta Municipal Hall
Source: SolarBC

SolarBC rebates – availability

- 20 SolarBC rebates total
 - High level of interest
 - First come first serve
- CEA support
 - Optimal projects
 - Funding sources
 - Tendering

Dawson Creek City Hall
Source: City of Dawson Creek



Thank you

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