

AEA Members

General Members

- MACA,
- ENR,
- PWS,
- NWTHC,
- Public Utilities Board,NWT Association of
- NWT Association o Communities.
- General Members sit on the Board of Directors and can vote on financial and other matters.



Sustaining Members

- · NTPC,
- · Northland Utilities,
- NWT Contsruction Association,
- · Avalon Rare Metals
- Sustaining Members do not sit on the Board of Directors. They can attend all meetings and vote on non-financial matters.



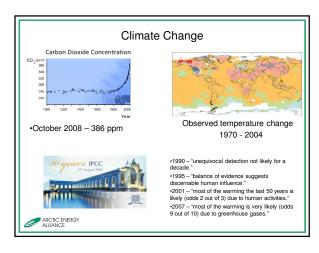
AEA team - Executive Director

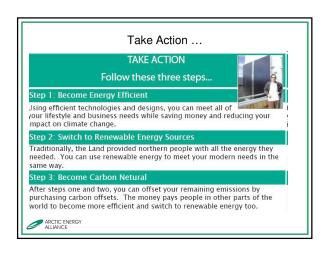


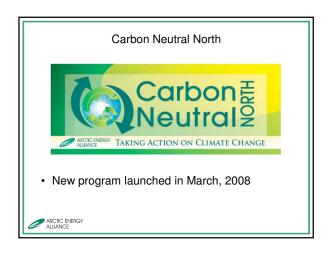
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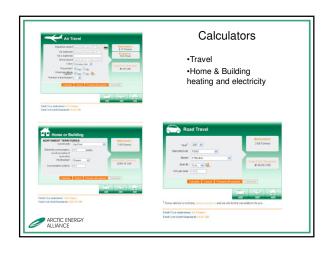
- Andrew Robinson, P. Eng.,
- Masters of Environmental Studies (York University)
- BASc. Mechanical Engineering (University of Waterloo)
- · Grew up in the North
- 5th year at AEA.



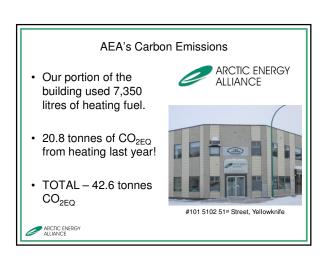


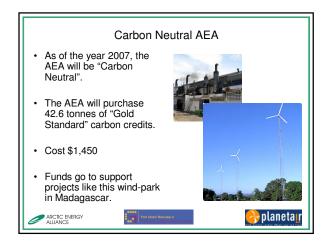














Case Study - City of Yellowknife

- Energy audit of major facilities completed.
- On track to meeting target of 20% reductions in CO2 emissions - 5 years ahead of schedule.
- YK building code is one of the most efficient in Canada.



•Wood pellet boiler being unloaded at YK City Pool & Arena.

A new target for 2014 – "Carbon Neutral Yellowknife"

- Climate Change <u>can</u> be solved.
- Solution requires leadership & global partnerships.
- Annual City emissions estimated at 4.1 kT. (not including flights)
- \$165 K to offset @ \$40/tonne.





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Case Study - Housing in Inuvik

- Highly efficient duplex EGH 86
- · R50 Walls & Floor
- R80 Roof
- High Efficiency Gas boiler & water heaters (90 % AFUE)
- Triple-pane windows, lowe coating, argon filled.
- · Heat Recovery Ventilator

- · Each unit will use:
 - 47.5 GJ of Natural Gas
 - 9 MWh of Electricity
- 1 kW Solar PV system
- Save 1.3 MWh/year
- Cost \$11,000
- · 3 panel solar hot water
 - Save 7.6 GJ/year
 - Cost \$12,000

Thanks!

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