

Ktunaxa Nation Council
Community Action on Energy and
Emissions 2008

CAEE Webinar

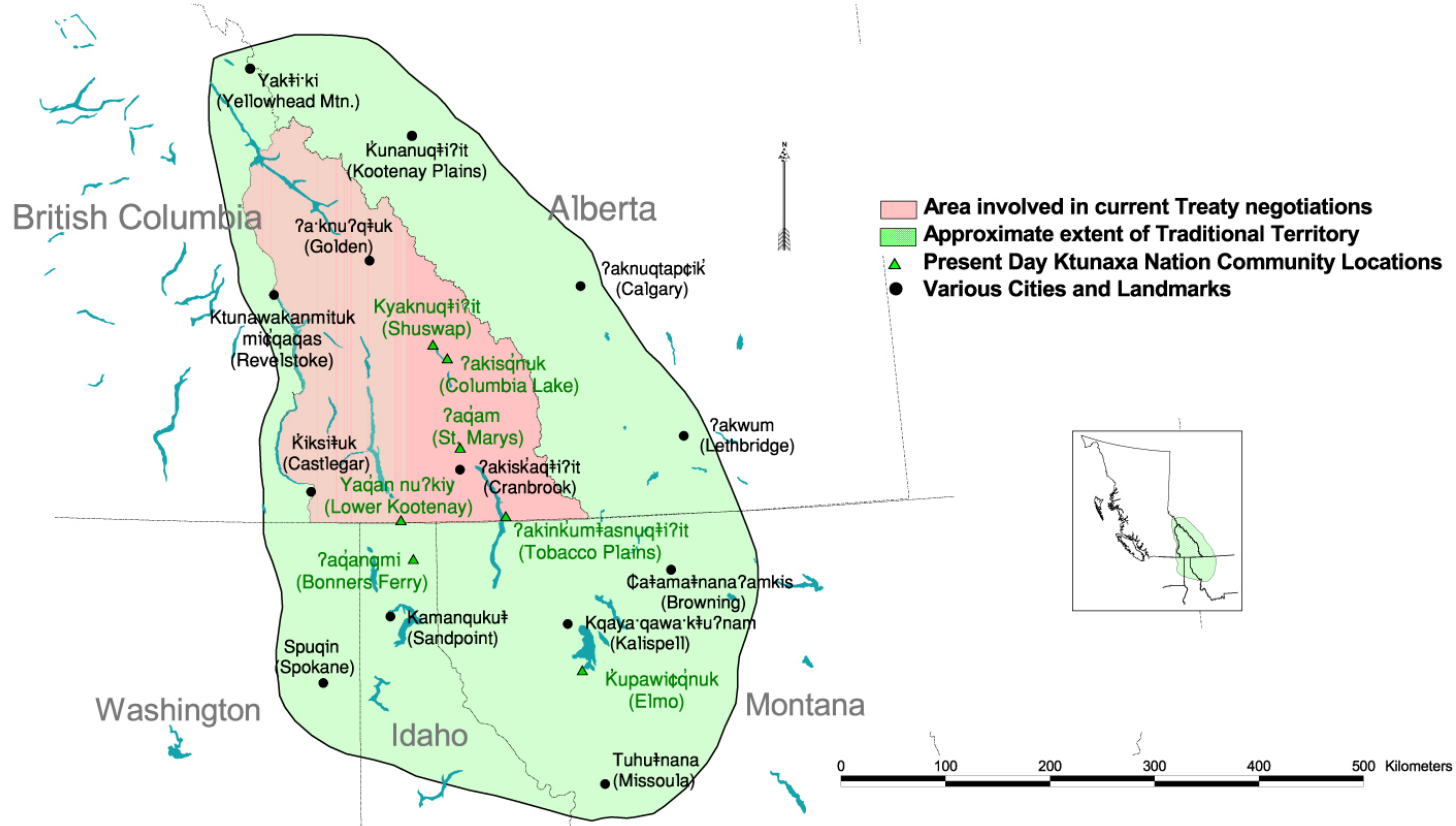
October 30th, 2008



Ktunaxa Nation

- » **Approx. 1500 nation members in four communities: ?A'kisq'nuk, St. Mary's, Tobacco Plains and Lower Kootenay**
- » **Communities 100 – 250 km. apart on Highways 3 and 93, Upper Kootenay and Columbia Rivers**
- » **Each community governed by a band council; Nation (tribal council) governance through an executive council and four sector councils**

TRADITIONAL TERRITORY OF THE KTUNAXA NATION



Ktunaxa Nation CAEE Project 2008: Challenge and Approach

- » Challenge: How do you work to achieve reductions in energy use and associated emissions in four small communities spread over a very large area?
- » Approach: Create information tools on *culturally and locally appropriate strategies and technologies* to reduce energy use and emissions

Energy Audits

- » Completed for 2 community-owned buildings in each of the communities
- » Band council office buildings, health centres, band halls/rec centres
- » Work done by Light House Sustainable Building Centre

Energy Audits – Key Themes

- » Replace windows - triple-glazed, low-e, thermally broken
- » Replace lighting – T5s with T12s and incandescent with compact fluorescent
- » Space programmable temperature sensors
- » Occupancy sensors for controlling lighting
- » Domestic hot water piping insulation

Energy and Emissions Reduction Tools

- » **COMMUNITY ENERGY PLANNING AND *CAPACITY***
- » **ENERGUIDE 80 AND THE MODEL NATIONAL ENERGY CODE OF CANADA FOR BUILDINGS**
- » **ENERGY EFFICIENT BUILDINGS**
- » **APPROACH TO REFURBISHING HOUSING FOR ENERGY EFFICIENCY**





Energy and Emissions Reduction Tools (cont'd)

- » TACKLING EMISSIONS FROM
TRANSPORT**
- » ALTERNATE ENERGY SYSTEMS**
- » CASE STUDIES**

Ktunaxa Energy Use/Emissions Reduction Workshop

- » Reviewed draft toolkit: What will work in Ktunaxa communities?
- » Strong interest in
 - » Improving new home construction standards
 - » Building internal capacity in building inspection and energy auditing
 - » Upgrading widely-used wood heating systems
 - » Multi-generational housing alternatives (e.g. co-housing)
 - » Simple, low cost energy retrofits as a starting point

Thanks!

- » Gloria Williams, Ktunaxa Lands and Resources
- » Elizabeth Henry, FBC/CAEE
- » Micheal Wilson, Community Energy Association
- » Ktunaxa workshop participants
- » Erwinder Sanghera, consultant (PHH ARC)
- » Matthew Chan, consultant (Light House)
- » Kathy Clarke (Ktunaxa Health)
- » Many others