



# FNEI Conservation Program

A First Nations driven energy conservation program on the  
Western James Bay coast.

## ENERGY EFFICIENCY PROGRAMS

**11<sup>TH</sup> ANNUAL FIRST NATIONS NORTHERN  
HOUSING CONFERENCE**  
***PLANNING TODAY.....BUILDING TOMORROW***  
FEBRUARY 12-14, 2013

Presented by Gail Lawlor,  
FNEI Conservation Program  
Manager



FNEI Conservation Program

In our home we conserve energy and save money  
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# Energy Efficiency Programs

Three basic elements to an energy conservation program:

1. Education and awareness (no/low \$)
2. Installation of energy saving products (\$\$)
3. Energy retrofits (\$\$\$)



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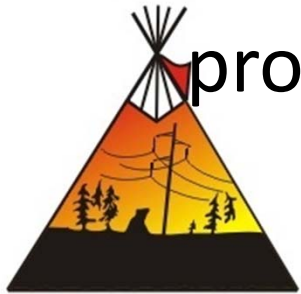
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# 1. Education and Awareness

- Distribute free government brochures on conservation
- Share energy saving tips on a Conservation FaceBook page, website, community newsletter, posters, local cable TV
- Host an Energy Conservation Day with the science teachers – kids share energy science projects with parents



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# Introduction of the FNEI Conservation Program

Community Page on Facebook

[Friends of FNEI Conservation Program](#)



**Five Nations Energy Inc.**  
**The FNEI Conservation Program**

Five Nations Energy Inc. (FNEI) is introducing a conservation program for Attawapiskat, Kasabonko and Fort Albany to help reduce the amount of electricity you use and save on your hydro bill. The FNEI Conservation Program will help improve indoor air quality and reduce energy usage. Using less electricity also helps combat the effects of climate change. Check subsequent bills for energy saving tips.



The FNEI Conservation Program encourages conservation by:

- Offering tips on reducing electricity use
- Installing energy efficiency products like low flow showerheads, faucet aerators and pipe wrap
- Hiring and training local people to install the energy efficient products
- Conducting energy audits and retrofit in some homes in your community

**PARTICIPATE TO WIN**

Submit an energy conservation tip for a chance to win an energy efficiency prize for your home. To enter your conservation tip visit FNEI Conservation Program Facebook page and become a Friend. You may also mail your tip to FNEI Conservation Tip, 16 Birch Street South, Timmins, Ontario P4N 2A5.

The FNEI Conservation Program is a partnership between Five Nations Energy Inc., Ontario Power Generation and the Attawapiskat Environmental Research Centre. Find out more about FNEI by visiting [www.fneiconservation.ca](http://www.fneiconservation.ca) and by becoming a Facebook friend of the FNEI Conservation Program.

Utility Bill Insert #1

**Five Nations Energy Inc.**  
**Energy Efficient Products For Your Home**

Five Nations Energy Inc. (FNEI) is introducing a conservation program for Attawapiskat, Kasabonko and Fort Albany to help reduce the amount of electricity you use and save on your hydro bill. The FNEI Conservation Program will help improve indoor air quality and reduce energy usage. Using less electricity also helps combat the effects of climate change. Check subsequent bills for energy saving tips.

**Four Compact Fluorescent Light Bulbs**

Four compact fluorescent light bulbs (CFLs) can save up to 75% energy compared to incandescent bulbs. CFLs last up to 10 times longer than incandescent bulbs. CFLs are available in a variety of shapes and sizes to fit your home.

**Pipe Wrap**

Pipe wrap is a simple and effective way to reduce energy loss from your home. It is made of a special material that traps heat and keeps your pipes from freezing. Pipe wrap is available in a variety of colors and sizes to fit your home.

**Always Check Your Thermostat**

Check your thermostat regularly to make sure it is set correctly. A thermostat that is not working properly can cause your furnace to run longer than necessary, wasting energy and money.



**Free Energy Audits**

Free energy audits are available to help you identify areas of energy loss in your home. An energy audit will help you determine what energy efficiency products you need to install in your home.

**How to your conservation energy?**

Visit [www.fneiconservation.ca](http://www.fneiconservation.ca) for more information on the FNEI Conservation Program.

The FNEI Conservation Program is a partnership between Five Nations Energy Inc., Ontario Power Generation and the Attawapiskat Environmental Research Centre.

Utility Bill Insert #2

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# FNEI Conservation Program

- Held first *Energy Conservation Day* at the Northern Stores
  - Collected hundreds of energy savings tips from community members and gave out energy saving prizes
  - With permission, these tips are used in other education and awareness programs, such as the 2012 and 2013 calendar, FaceBook page and website

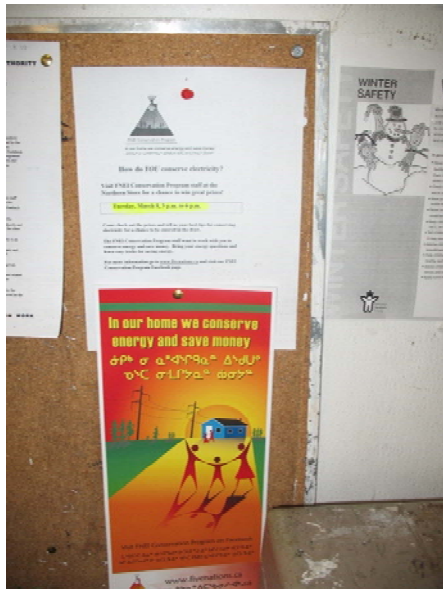


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# The FNEI Conservation Program's First Energy Conservation Day!



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# Partner with Manufacturers

- Sunlight / Unilever provided rebate coupons that were exchanged at the local Northern Store for a free jug of Cold Water Wash Sunlight Detergent
- Postcard mailed to each home promoting the rebate.
- Postcards featured a community member's energy saving tip



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# Partner with Manufacturers

- 3M Canada provided shrink wrap window film for a fraction of the retail cost
- Just had to ask.....
- Handed out at our second Energy Conservation Day event held at the Northern Stores
- Left over boxes distributed by Housing Managers



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# FNEI Conservation Program's Second Energy Conservation Day!

**FREE WINDOW INSULATION KIT!  
TUESDAY OCTOBER 25TH  
AT THE NORTHERN STORE  
12:00pm to 6:00pm**

**Kashechewan**

**Come to the Northern Store and get a free 3M Window Insulation Kit!\***



**Stops Drafts!  
Stops Moisture on Window  
Easy to Install!**

The FNEI Energy Conservation Program Team is hosting another Energy Conservation Day! Come by to pick-up your **FREE** window insulation kit, see how **easy** it is to **install** and hear about the **energy-saving benefits** of shrink-wrap window film!

\*One per household.

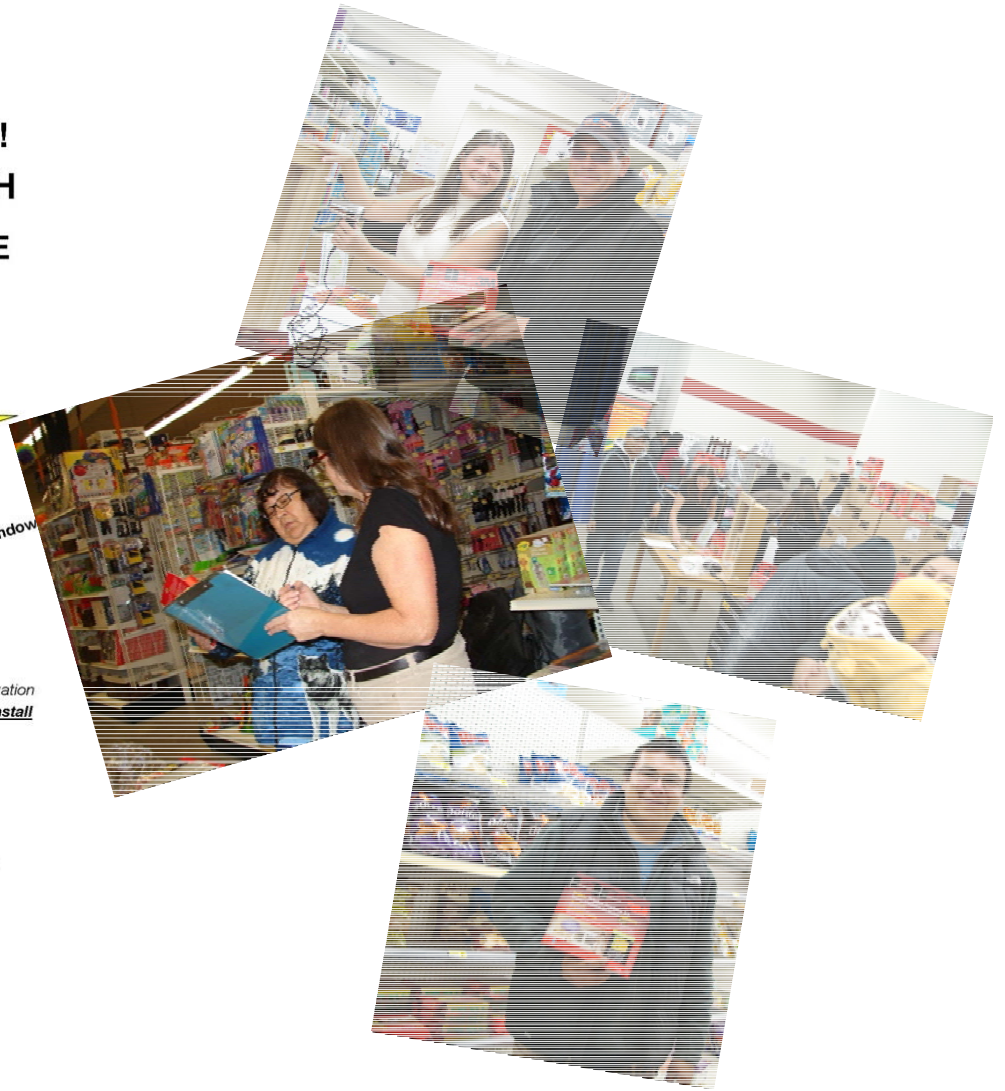
For more information visit: [www.fivenations.ca/conservation.html](http://www.fivenations.ca/conservation.html)  
or send us an email at: [conservation@fivenations.ca](mailto:conservation@fivenations.ca)



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# Energy Conservation Day in Kashechewan





# Energy Conservation Day in Fort Albany



# Energy Conservation Day in Attawapiskat





# Energy Conservation Day in Attawapiskat



# Energy Conservation Calendar

- Produce a community calendar that features student drawings and energy saving tips from community members
- Students can do the design work
- Hold a community contest for the artwork
- The FNEI Conservation Program 2012 Calendar distributed last year at the conference
- Pick up your copy of the 2013 version!

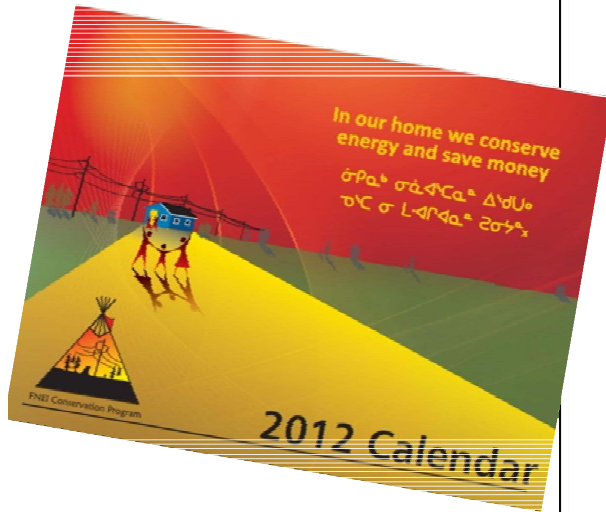


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# 2012 Energy Conservation Calendar

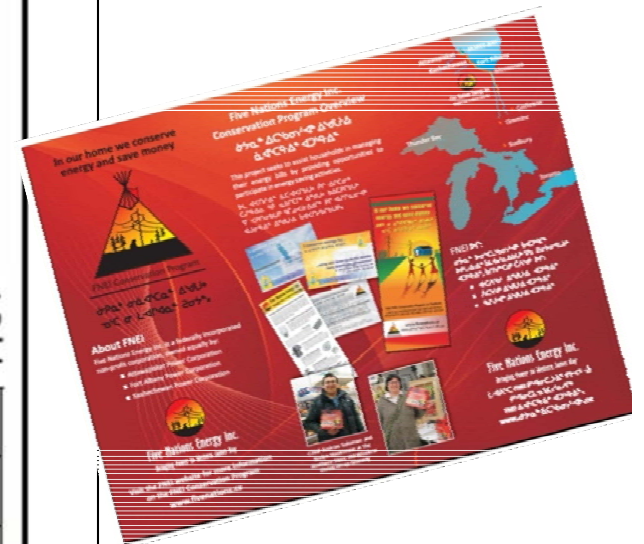


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**February 2012**

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Shakina Stephen, "I turn off the TV before I go out to play" ሳቶና ስታን: ጥቅፋር ሀላፊ ጐር ሙሊባልግ ጆሱኔ			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20 <i>Friday</i>	21	22	23	24	25
26	27	28	29		Michele Okimaw, "Use the dishwasher when full" ሜሻል ዐቪማ: ጐር ሙሊባልግ ጆሱኔ	

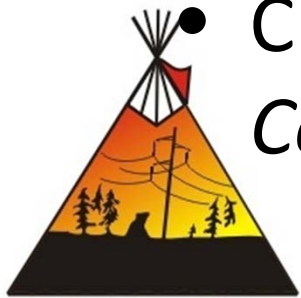






# Partner with your school !

- Schools can apply for funding for hands-on science programs. Suggest an energy conservation theme such as the one delivered by *Elephant Thoughts* the past two winters in AFN, KFN and FAFN([www.elephantthoughts.com](http://www.elephantthoughts.com))
- Culminate with a *Community Energy Conservation Fair* showcasing student efforts



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# Community Energy Conservation Fair

## Learning about Energy



# Community Energy Conservation Fair

## Learning about Energy





## 2. Installation of Energy Saving Products

- Energy saving product boxes were shipped to every FN community in 2007
  - CFL light bulbs
  - Low flow showerhead & faucet aerators
  - pipe wrap
  - Indoor and outdoor timers
  - Foam gaskets for electrical outlets and switches



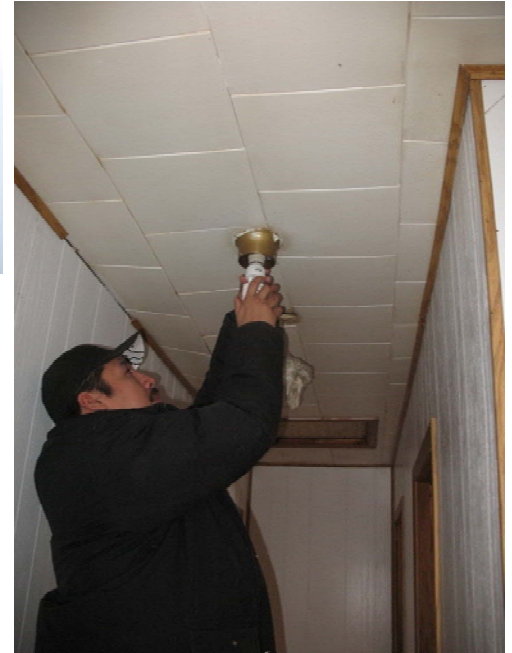
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# Product installation



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# Hydro One Remote Communities Inc.

- Hydro One delivers a Conservation and Renewable Energy (CaRE) Program to their remote communities:
  - 1 -3 communities at a time participate for 18-24 months
  - Financial support for equipment, tools, staff
  - Customized to the community
  - Partnership with Hydro One and the community
- See Lori Rice at Hydro One booth

# Hydro One Remote Communities Inc.

- Program is diverse:
  - Conservation – education and tips
  - Energy Efficiency – free or discounted products
  - Special Projects
  - Community Conservation Programs
  - Commercial lighting retrofits
  - Commercial appliance/equipment upgrades
  - Energy conservation youth camps

# Hydro One Programs

- Hydro One also offers conservation programs to First Nations commercial buildings and institutions:
  - Free energy audit and up to \$1,500 for lighting retrofits
  - Financial incentives for replacing inefficient existing equipment with high efficiency equipment
- For more information:

[www.HydroOne.com/SaveEnergy](http://www.HydroOne.com/SaveEnergy)

# 3. Energy Retrofits

- Expensive to conduct energy audits and do energy retrofit work on homes, but it can be done:
  - Take advantage of CMHC’s training to ensure that all new construction and maintenance is done to the highest standards
  - Develop housing policy that ensures homes are built and maintained to the community’s standard
  - Through training and policy build construction and maintenance capacity within your community



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# Funding for Energy Retrofits

- **Aboriginal Conservation Program** – funded by the OPA, administered by First Nations Engineering Services Ltd.
- Launching sometime 2013 – application process
- 24 FN Communities will receive energy audits and extensive energy retrofits
- Visit [www.aboriginalenergy.ca/acp](http://www.aboriginalenergy.ca/acp) and sign up for newsletter to be informed of start up.



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# Energy Audits



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# Installing fans and air sealing





## Partner with Funders

- Funding provided by the Belleville Rotary Club to pilot shatterproof window film and a solar thermal wall in Fort Albany First Nation
- Film keeps window intact if broken, until replacement is installed
- House air circulates through the solar thermal wall, is warmed by the sun and circulated back to the the home. No electricity required.
- You just have to ask.....



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# Opportunities for Community Involvement

This program employs community members whenever possible:

- Energy product installers, surveyors, apprentice auditor helpers, energy retrofit contractors
- Local caterers for events
- Commissioning of local artisans to provide energy saving prizes – moccasins and goose down blankets



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# Developing a Sustainable Conservation Program

- AFN, KFN and FAFN are unique in that they have their own Power Corporations
- They are required by law to implement Conservation Demand Management (CDM) Strategies
- The CDM strategies will (hopefully) begin very soon, providing funds for residential and commercial energy retrofits



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# Develop a Sustainable Conservation Program

- All FN Communities have the ability to develop a sustainable conservation program
- First step: adopt a Community Energy Plan process and develop:
  - energy efficiency policies
  - renewable energy policies
  - housing policies
- Check out funding and support opportunities with the First Nations Market Housing Fund, AANDC, Tech Services, Hydro One, etc.



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