



# What's Happening?

**JANUARY 2023**



ThreeNationsEnergy



www.3NE.ca



## Heat Pumps - What's It All About?

If you've been hearing a lot about heat pumps but you still don't really understand what one is, you're not alone.

Heat pumps have recently gained a lot of attention in North America due to rising energy prices and concerns about climate change.

### So what are they?

Despite their name, heat pumps are used to both heat and cool a space.

**They don't make heat - instead they move warm and cool air around. This makes them over 300% more efficient than fossil fuel furnaces!**

**In cold weather**, they pump heat from outside your home to the inside. (Yes! There is actually enough from cold outside air to make a difference!)

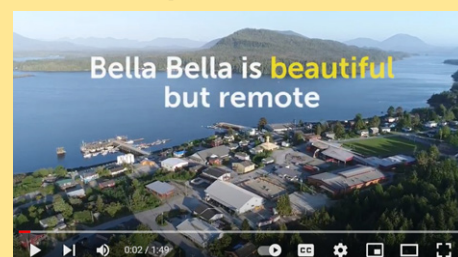
An outdoor unit extracts warm air, then sends it traveling through a refrigerant line connected to an indoor unit.

The air gets compressed along the way, which heats it up even more before it gets pushed into the home.

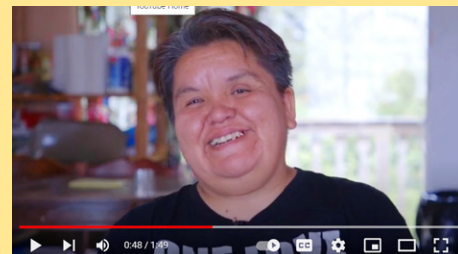
**In warm weather**, the system does the reverse: sucking up warm air from inside and pumping it outdoors (just like an air conditioner).

## FEATURE VIDEO

### Reducing Heating Costs and Improving Health with Heat Pumps for First Nation



Ecotrust Canada partnered with Heiltsuk Tribal Council on a project reducing heating costs and improving health in Bella Bella homes. Twenty heat pumps were installed to date to replace oil furnaces in Bella Bella.



<https://www.youtube.com/watch?v=H0elp5rLRRY&t=1s>



## FEDERAL FUNDING

### Households will be eligible for up to \$5K up front rather than seeking reimbursement

CBC News · Posted: Nov 21, 2022

The federal government has announced details of a new grant aimed at helping low- to median-income Canadian households make the switch from oil to heat pumps.



The Oil to Heat Pump Affordability (OHPA) Grant will provide households with up to \$5,000 - depending on the household income - to cover costs that include the purchase and installation of heat pumps, necessary electrical upgrades and safe removal of the oil tank.



## MORE VIDEOS

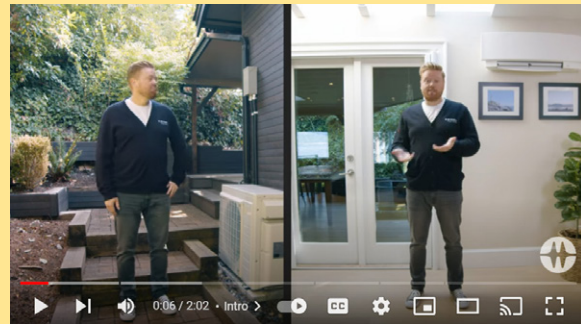
Adapting heat pumps to our Canadian climate – Natural Resources Canada

<https://www.youtube.com/watch?v=wTRGbDY7Kk>



How Do Heat Pumps Work? | Heat Pumps Explained - BCHydro

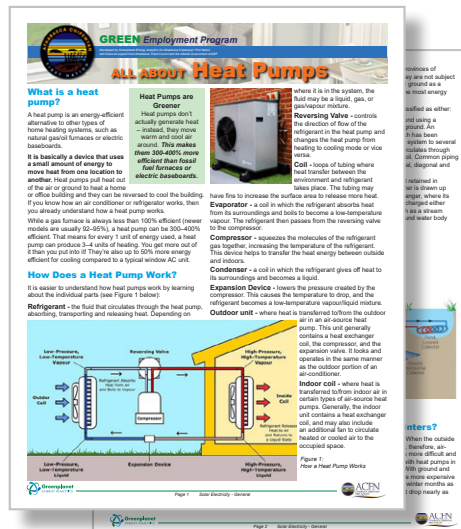
<https://www.youtube.com/watch?v=iQaycSD5GWE>



## Did you know?

- You can have your heat pump gather heat from the ground or a lake?
- Heat pumps can be tied in with your furnace ducts or just stand alone in selected rooms?

Find the answers to these and many more by using the QR code below to find the Heat Pump Fact Sheet:



## What is that box for?

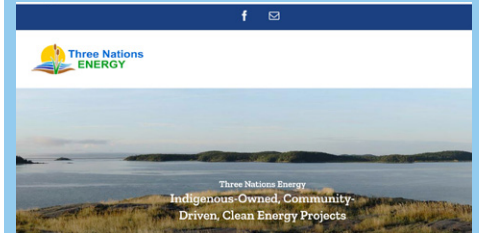
**QR Codes** are machine-readable patterns used for quickly giving links to websites.

You can use your smart phone to read "QR Codes". Use your phone's camera to:

- ◆ Point at the square of dots.
- ◆ Tap the notification the phone gives you to go to the website or YouTube video.



## SEE FOR YOURSELF



The 3NE.ca website has **LOCAL** green energy News, Videos & Facts  
Visit [www.3NE.ca](http://www.3NE.ca)



@ThreeNationsEnergy