

Energy Efficiency

How can we use less energy?

Energy Efficient Habits



How it works

- Learn about and do everyday things that save energy
- Choose to walk or bike, not drive
- Turn off lights, TV, vehicle, and water tap when not in use
- Use a timer to turn things off and on - coffee maker, vehicle plug-in, furnace
- Use energy efficient things, such as compact fluorescent bulbs
- Use a clothesline, not the dryer

Benefits

- Use less energy and save money
- Pay little or nothing
- Help reduce greenhouse gas emissions

Limits

- It is hard to change old habits
- People may lack information
- Stores may not carry products



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ARCTIC ENERGY ALLIANCE

Toll-free 1-877-755-5855

Energy Efficiency

How can we use less energy?

Use Energy Star

How it works

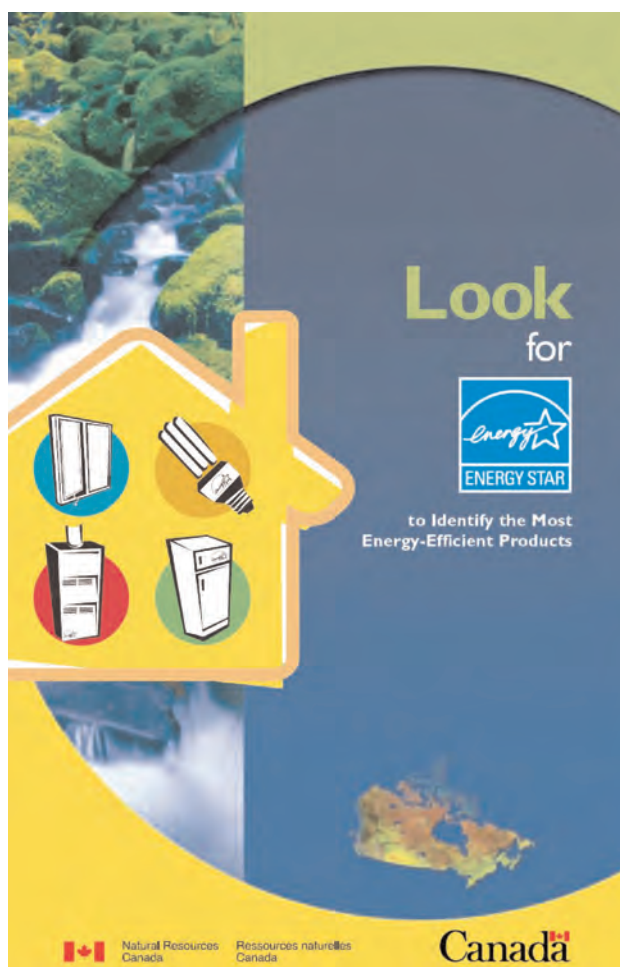
- Look for and buy things that have the Energy Star symbol – it shows products that use less energy
- Replace things that use lots of energy with energy-efficient things

Benefits

- Use less energy
- Pay less to operate things
- Help reduce greenhouse gas emissions

Limits

- High cost to buy, but it pays off after a few years
- Stores may not carry Energy Star products



Energy Star
Brochure



Energy Star refrigerators and clothes washers can be models of efficiency.



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Energy Efficiency

How can we use less energy? Use Energy-efficient Vehicles



4 Stroke motors for snowmobiles, ATVs and boats use less fuel

How it works

- Buy a vehicle that gets good gas mileage
- Buy a smaller, lighter vehicle or a hybrid vehicle
- Buy a 4-stroke motor

Benefits

- Use less polluting energy
- Pay less to buy and operate a smaller, energy-efficient vehicle
- Help reduce greenhouse gas emissions

Limits

- Local mechanics may not know how to fix a hybrid
- Smaller vehicles have less space

| Toyota Prius | | Gas mileage - highway | Annual fuel cost | Annual CO2 |
|--------------|--|---------------------------------------|------------------|------------|
| HYBRID | | 4.0 L/100 km or 71mi/gal | \$820 | 1968 kg |
| | | 6.2 L/100 km or 46 mi/gal | \$1100 | 2970 kg |
| DIESEL | | 6.6 L/100 km or 43 mi/gal | \$1360 | 3264 kg |
| | | 9.9 L/100 km or 29 mi/gal | \$1740 | 4276 kg |
| 2X4 | | 16.7 L/100 km or 17 mi/gal | \$2940 | 7056 kg |
| | | not recommended - for comparison only | | |
| 4X4 | | | | |

A hybrid uses new motor and battery technology that uses less energy

Energy Efficiency

How can we use less energy?

Build New Buildings that Save Energy

How it works

- Build new buildings with good insulation and windows, energy-saving heating, appliances, and lights, etc.
- Apply the highest energy-saving standards to build new houses, (EnerGuide 80) and other buildings,(CBIP)

Benefits

- Use less polluting energy
- Pay less to build it right the first time
- Pay less to operate an energy-efficient building
- Help reduce greenhouse gas emissions

Limits

- People may pay about 10% higher construction costs – but it pays off after a few years



Energy Efficient Houses in Whitehorse, Yukon



The new "Greenstone" building in Yellowknife, NWT is an excellent example of energy efficient building in the North.



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Energy Efficiency

How can we use less energy? Renovate Older Buildings

How it works

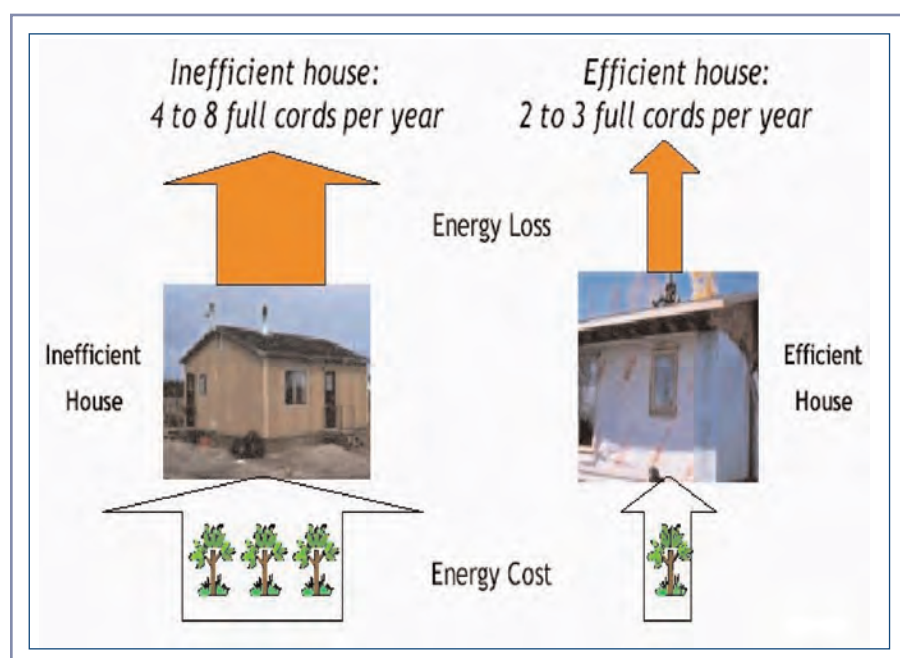
- Do an energy audit - find out how your building uses energy and what you can change to save energy
- Fix up your home or building so it uses less energy

Benefits

- Use less polluting energy
- Pay less to operate your home or building
- Help reduce greenhouse gas emissions

Limits

- High cost to buy, but it pays off after a few years



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