



supported by



Tap into the Sun



www.solarbc.ca

SolarBC

Residential

Solar
Communities

First Nations

Social Housing



Local Government
Buildings

Solar Schools

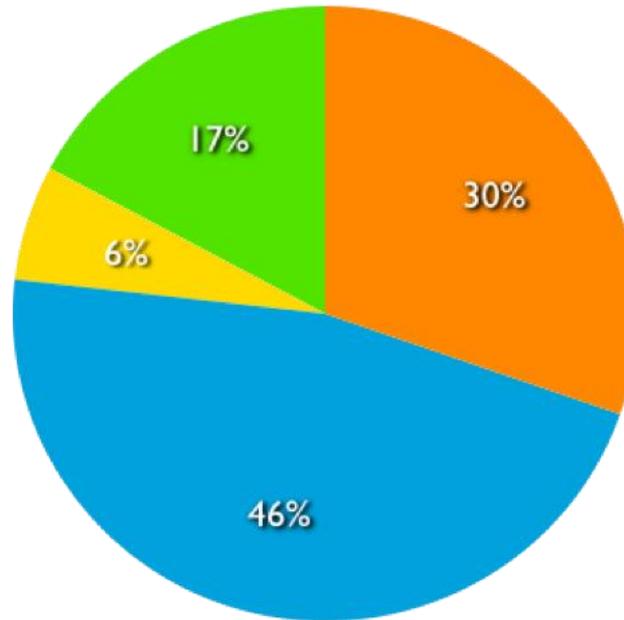
Solar Communities

- Dawson Creek
- North Vancouver District
- Kelowna
- Saanich
- Tofino
- T'Sou-ke First Nation
- West Moberly First Nation
- Whistler
- City of Vancouver
- Campbell River
- Delta
- Fort St. John
- Grand Forks
- Invermere
- Nanaimo Regional District
- Richmond



- Increase awareness
- Remove barriers
- Develop by-laws
- Adopt targets
- Provide training

Energy Use In Our Homes



Hot Water

Heating

Lighting

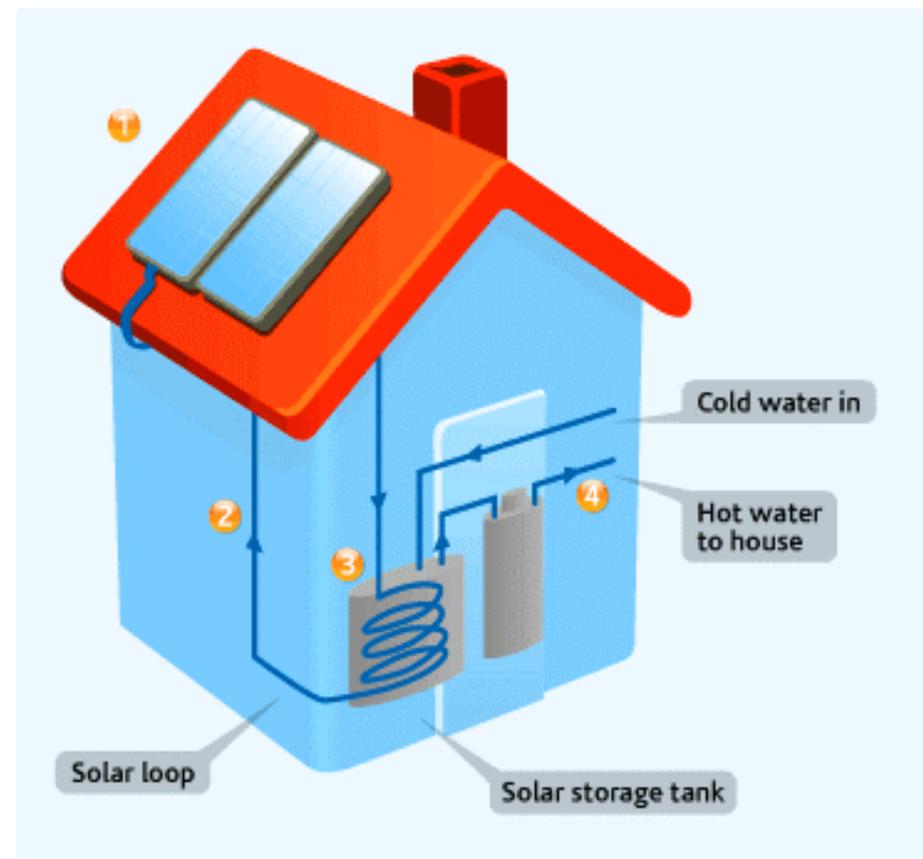
Appliances

Benefits for your home

- Reduce water heating costs by 50%
- Reduce CO2 emissions by up to 2 tonnes per year
- A very visible statement about your home
- Reduces need for fossil fuels
- Sun is reliable and renewable energy
- Creates jobs and stimulates local economy
- Is available and accessible all over BC

How does it work?

- Collectors absorb light from the sun
- Fluids circulate the collected heat to a storage tank
- Heat is transferred to the water in the storage tank
- Preheated water is sent to the domestic water tank ready for use



Solar System Components

Solar Collectors

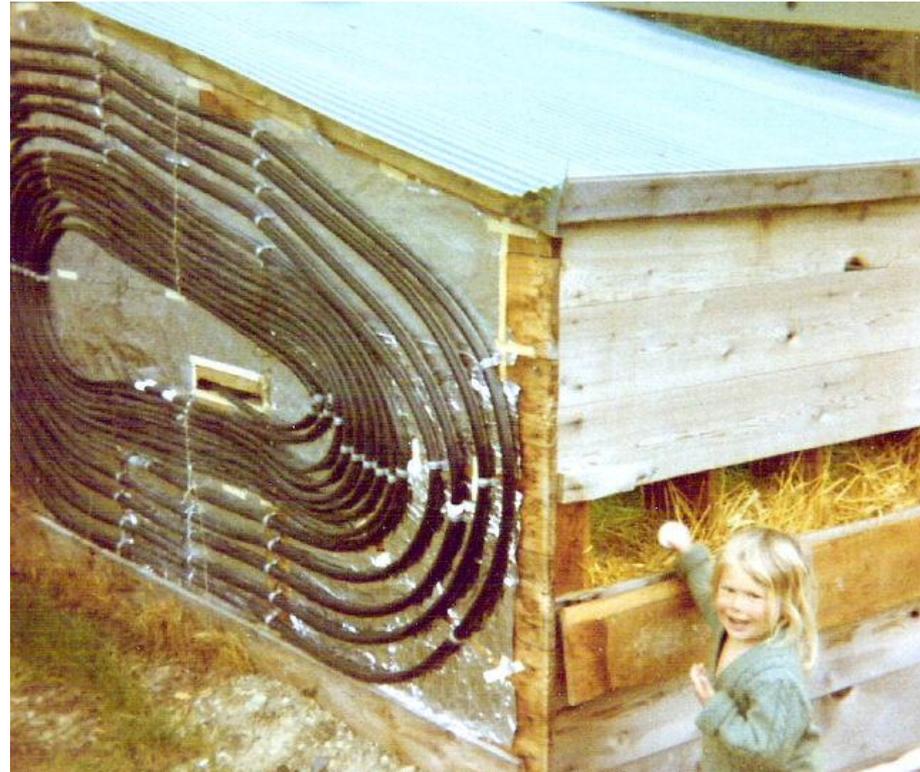
- Flat Plate
- Evacuated Tube



Solar System Components

Heat Transfer Fluids

- Water
- Glycols



Types of Solar Systems

- Drainback
- Closed-loop
- Seasonal



Will SHW work on my home?

- SHW is easily retrofitted
- Do a self assessment and check:
 - At least 6 sq metres of south facing roof space
 - No shade from 10am -- 4pm
 - Need space next to existing water heater



What incentives are available?

- \$2,000 for existing homes
- Or a zero interest loan
- \$1,000 for new homes
- \$300 for FortisBC customers



How much will it cost?

Cost Breakdown

Typical System Cost	\$6,900
SolarBC discount	\$2,000
**PowerSense Rebate	<u>\$ 300</u>
Net cost to customer	\$4,600

** Only for FortisBC customers

Additional rebates may be available
from LiveSmart BC
(<http://www.livesmartbc.ca/>)



How much will I save?

- Systems last for 25 – 30 years
- Typical hot water costs \$400 / year
- Save up to \$6,000 in energy costs
- Return on investment between 5 – 10%
- Energy security as costs go up
- Increase the resale value of your home



How do I apply?

- Step 1: Do a Solar Self Assessment
- Step 2: Get an ecoEnergy audit
- Step 3: Choose a SolarBC Registered Contractor
- Step 4: Receive SolarBC discounts
- Step 5: Arrange 2nd audit to qualify for \$1250
- Step 6: Monitoring, inspection and customer satisfaction

Who does the work?

- Registered SolarBC contractors
 - technical capability
 - experience
 - customer care
 - pricing
- Qualified Installers certified by CanSIA
- Systems are CSA certified or equivalent and collectors are all approved by NRCan



Training

- New 4-day and 6-day training program available through Northern Lights College
- Includes solar hot water training, roof fall safety and up to 4 installations



What incentives are available?

Municipal Buildings, Social Housing

- Up to 25% from ecoEnergy grants (max: \$400,000)
- Matching grant from SolarBC to \$40,000



Thomas Edison

“

I'd put my money on the Sun
and Solar Energy,
what a source of Power!

I hope we don't have to wait
until oil and coal run out,
before we tackle that.

”