

Canada's Tournament Capital

RETROFIT assist

— Get in your comfort zone —



THOMPSON-NICOLA
REGIONAL LIBRARY

For more information about the See the Heat Thermal Imaging Camera Program, contact the City's Sustainability Services Section or visit our website.

P: 250-828-3796 | **E:** sustainable@kamloops.ca

Please return the See the Heat Thermal Imaging Camera Kit to your Thompson-Nicola Regional Library

P: 250-372-5145 | TNRL.ca

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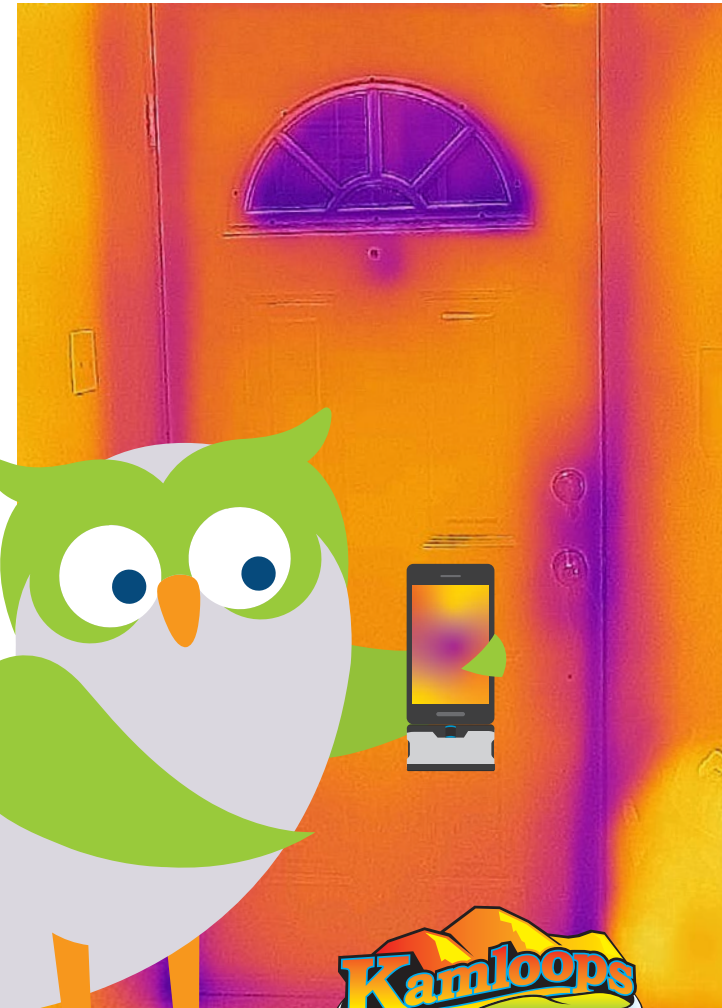
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Kamloops.ca/SeeTheHeat

See The Heat

Thermal Imaging Camera Kit



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HOW THE PROGRAM WORKS

Improve the energy efficiency of your home using a thermal imaging camera and a free draft-proofing starter kit.

1. The FLIR camera may be borrowed by any Thompson-Nicola Regional Library (TNRL) patron in good standing.
2. At home, follow the instructions in the guide provided and complete some minor retrofits using the draft-proofing starter kit that is provided at checkout (while quantities last).
3. Return the following borrowed items to your TNRL branch so that the next patron may enjoy it.
 - FLIR camera
 - case
 - charging cable
 - adaptor (supplied for Android phone users)
4. If you received a draft-proofing starter kit, it is yours to keep and use!

Additional Details:

- Due to high demand, FLIR cameras are loaned for a maximum of seven days.
- There is a late fine of \$1 per day.
- The replacement cost for lost or damaged cameras is \$325.



GETTING STARTED

When using a thermal imaging camera to find energy losses, the difference in temperature between the inside of the building and the outside should ideally be at least 10 °C.

1. Open the kit and plug in the camera to ensure that it's charged.
2. Download the free **FLIR ONE app** from your app store.
3. Connect the fully charged camera to your smart phone. **Note:** Android phone users may need to use the adaptor provided.
4. Open the FLIR ONE app and follow the directions for using the camera.
5. Familiarize yourself with the camera's functionality and then begin the Simple Energy Evaluation instructions to evaluate the drafts in your house.

For technical support, visit Flir.CustHelp.com.



FLIR ONE App



FAMILIARIZE YOURSELF WITH THE CAMERA

Complete the exercises listed below:

- Like to sleep with a window open? Or do you leave a bathroom window open a crack?** Compare inside and outside photos of that window with others that you keep shut.
- Do you sometimes leave the dryer door open?** Take a picture of the dryer exhaust from outside while the dryer is off.
- Do you have a fireplace and sometimes forget to close your flue?** Take a picture of the inside and outside of your chimney.
- Do you leave power bars on with unused electronics plugged in?** Take a picture and see the phantom load turn to heat.
- Do you leave the door open while you bring in the groceries? Or while you take your shoes off?** Take a picture of your door frame after leaving the door open for three minutes.
- Do you have a fireplace or other natural gas appliance that you use infrequently but have a pilot light burning?** Take a photo of it to see the heat.

SIMPLE ENERGY EVALUATION

To get the most value from your time with the camera, it is best to be methodical. Pick a natural starting point in your house, such as a front or back door, and go from there. If you do this in order, you will be able to prioritize which simple retrofits to do first.

Take photos from the inside of:

- all windows
- all doors
- all electrical outlets and light switches on outer walls
- all outer walls (look for cold transferring through wall studs)
- chimneys
- inside dryer long after the most recent drying cycle
- any other locations (e.g. kitchen fans, bathroom fans, fresh air or exhaust vents) that perforate the outer wall of your house

ENERGY RETROFIT DRAFT-PROOFING KIT*

Inside the draft-proofing kit, you will find a few items to get you started. Get more from your favourite hardware store. Items included in the kit:

- plastic window insulation
- electrical switch and outlet insulator
- door and window weather stripping

To view tutorial videos on how to use these items, visit Kamloops.ca/SeeTheHeat.

*A draft-proofing starter kit will only be provided while quantities last.

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Ready to Take Your Energy Upgrades to the Next Level?

Upgrading your home's energy efficiency is a big undertaking. Retrofit Assist offers free and knowledgeable support from start-to-finish of your home energy retrofit. **Learn more at RetrofitAssist.ca**

SCAN ME

