

HOW THE PROGRAM WORKS

1. The FLIR camera may be borrowed by any Okanagan Regional Library patron in good standing.
2. At home, follow the instructions in the guide provided and complete some minor retrofits using the FortisBC draft-proofing kit that is provided at checkout (while quantities last).
3. Return the following borrowed items to your ORL branch so that the next patron may enjoy it. If you received a FortisBC draft-proofing kit, it is yours to keep!
FLIR camera | Case | Charging cable | Adaptor *(supplied for Android users)* | Kill-A-Watt meter
4. Visit kelowna.ca/energy and complete a quick survey for a chance to win a prize!

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 camera is \$272.



FOR TECHNICAL SUPPORT, VISIT
FLIR.CustHelp.com

For more information about the Thermal Imaging Camera Program, contact the City's Policy & Planning Department or visit our website.

P: 250-469-8773 | E: cray@kelowna.ca

Stay Connected    

kelowna.ca/energy



Please return the Thermal Imaging Camera Kit to
your local Okanagan Regional Library branch

SEE THE HEAT

THERMAL IMAGING CAMERA KIT

Improve the energy efficiency of your home with a Thermal Imaging Camera and a **FREE** FortisBC draft-proofing kit.





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 (summer and winter).

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.

FAMILIARIZE YOURSELF WITH THE CAMERA

GET TO KNOW THE CAMERA BY COMPLETING THE FUN 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.



Once you've mastered the camera, follow the Simple Energy Evaluation instructions to evaluate the drafts in your house.

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 FortisBC draft-proofing kit, you will find a few items to get you started. Get more from your favourite hardware store.

- plastic window insulation
- electrical switch and outlet insulator
- door and window weatherstripping

To view tutorial videos on how to use these items, visit kelowna.ca/energy

*While quantities last.



ARE YOU ELIGIBLE FOR A REBATE?

A renovation that includes installing new windows and adding additional insulation could save you 18% off your energy bill. A deep retrofit that improves the thermal performance of your home's external walls could save as much as 80%!

View available rebates at betterhomesbc.ca or FortisBC.com/Rebates