

Lytton Homeowner Resilient Rebuild Program

Lytton Community Meeting
June 15, 2023



Overview

- PacifiCan and partners
- Overview of PacifiCan's Lytton Homeowner Resilient Rebuild Program
- What are fire-resilient and Net Zero Homes?
- How will the program work?
- Next steps for applying to the program
- Questions and answers

Introducing Program Partners:

Program Lead:



Pacific Economic
Development Canada

Développement économique
Canada pour le Pacifique

Canada

Technical Partner:



Natural Resources
Canada

Ressources naturelles
Canada

Canada

Building Partner:

Canadian
Home Builders'
Association



Building the Program

- PacifiCan partnered with experts and reflected Lytton context:
 - Canada Home Builders' Association Net Zero standards and certification
 - NRCan's Canmet ENERGY research centre
 - Fire-resilient experts
 - Local builders and construction experts



Lytton Homeowner Resilient Rebuild Program

*Helping homeowners in Lytton
build back better.*

- The program will support eligible homeowners in building **fire-resilient and Net Zero Homes**.
- Fire-resilient and Net Zero Homes are **high quality, durable**, and **energy efficient** homes that will support Lyttonites for years to come.



Who is eligible for the program?

Owners of a residential property:

- located in the Village of Lytton or within 15 km of the Village (not including property on reserve)
- that was destroyed by the Lytton Creek Wildfire on June 30, 2021
- who plan to build a primary residence meeting fire-resilient program measures and Net Zero or Net-Zero Ready Standards, or to fire-resilient measures only

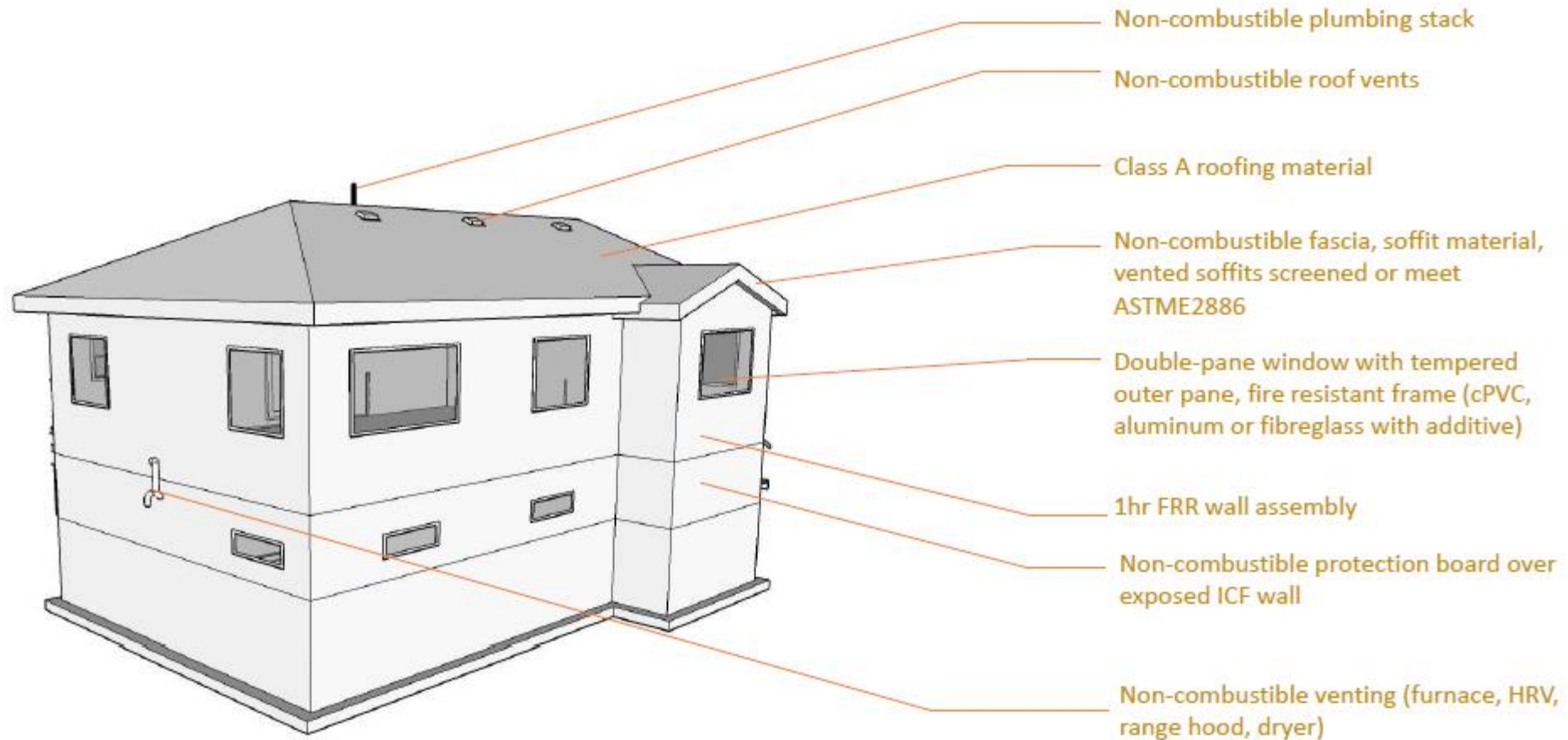
What will the program offer?

- Eligible homeowners will receive top-up funding to support rebuilding a resilient home of their choosing that is:
 - Fire-resilient;
 - Fire-resilient home and Net Zero Ready; or
 - Fire-resilient and Net Zero.
- This program offers grants towards building more fire-resilient homes; and provides grants towards the incremental costs of building to Net Zero and Net Zero Ready standards.

Building back better – Fire Resilient

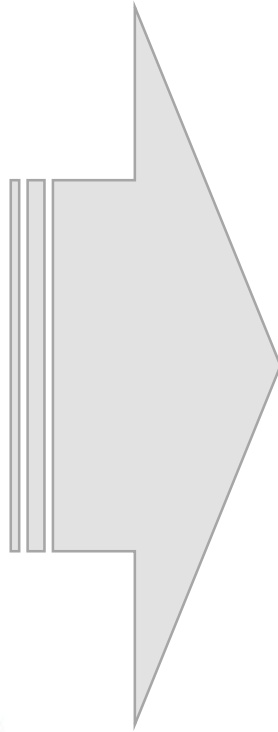
- Fire-resilient construction helps prevent damage to your home and belongings, and buys valuable time for evacuation in the event of a fire. For example, fire-resilient homes include:
 - **Non-combustible materials** such as metal or asphalt roofing
 - **Design features** such as enclosed gutters and eaves

Fire Resilient Measures (examples)



Building back Better: Net Zero

Why
build
Net
Zero?



Net Zero Housing – Energy Efficiency Ingredients

Recipe: NZ House

Solar PV: 6.2-11.2 kW

Attic: R-50 to R-80

Air-tightness: 0.4-1.5 ACH

Windows: U-0.85 to U-1.1

Walls: R-20 to R-40

Heating: Heat Pumps,
COPs from 2.5 to 3

Foundation: R-12 to R-37

Under slab: R-10 to R-20



Recipe: Step 3 House

Attic: R-40 to R-60

Air-tightness: ~2.5 ACH

Windows: U-1.4 to U-1.8

Walls: R-16 to R-18

Heating: 96% eff. furnace

Foundation: R-11 to R-17

Under slab: NA

Energy Efficiency in housing is improving...

Homes built before 1990

- Poor energy efficiency
- High utility costs
- Minimal insulation
- Uncomfortable rooms

BC Step 3 Homes

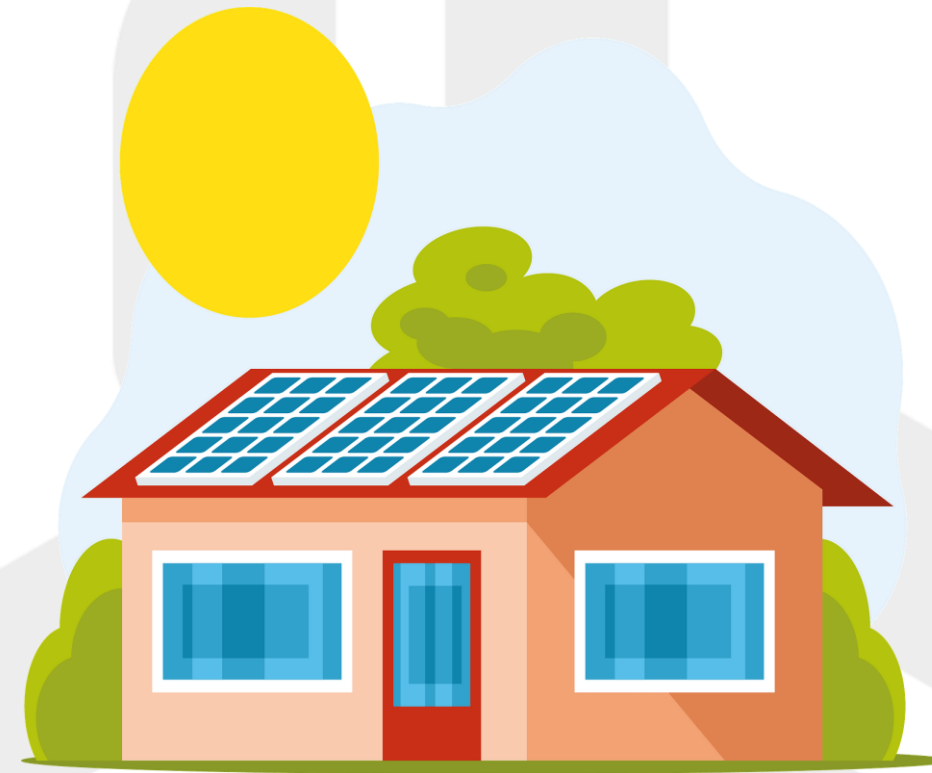
- Excellent energy efficiency
- Uses 50% less energy than a 1990 home
- High quality construction practises
- Improved comfort

Net Zero Homes

- Excellent energy efficiency
- Most of the homes' energy is produced from solar panels on the roof
- High quality construction practises
- Improved comfort, health, resilience

Net Zero vs Current Building Code (Step 3)

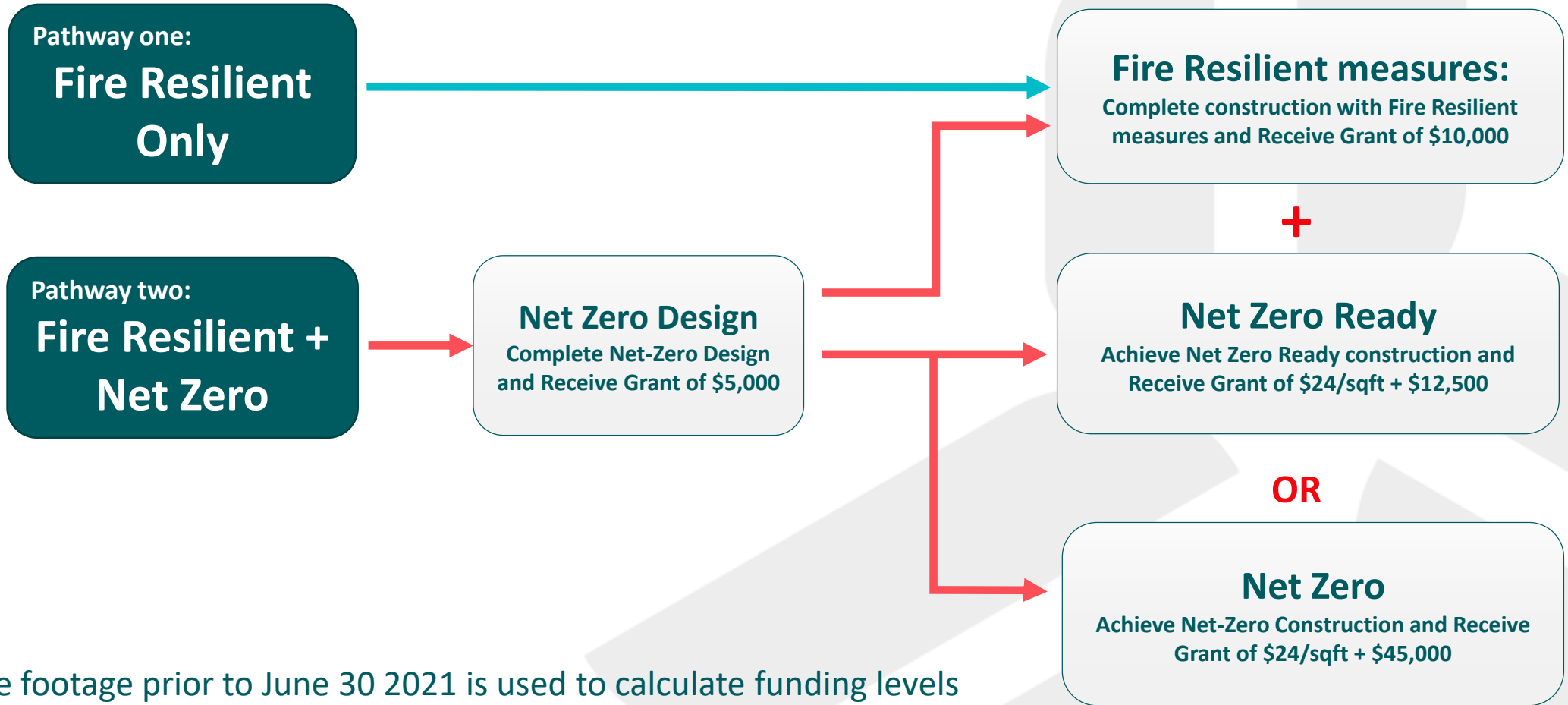
- Both Net Zero and Step 3:
 - require use of an energy advisor
 - take same time for design and construction
- Net Zero homes:
 - built with more durable and energy efficient materials
 - use 80% less grid energy than Step 3 houses by producing energy from solar panels



Homeowner Resilient Rebuild Program Pathways



Select program pathway



*square footage prior to June 30 2021 is used to calculate funding levels

Funding Examples

Example 1:

1100 sqft* home with fire-resilient + Net Zero

Design	\$5,000
Fire Resilience	\$10,000
Net Zero Ready	\$0
<u>Net Zero</u>	<u>\$71,400</u>
Total Grants Avail:	\$86,400

Example 2:

1100 sqft home with fire-resilient + Net Zero Ready

Design	\$5,000
Fire Resilience	\$10,000
Net Zero Ready	\$38,900
<u>Net Zero</u>	<u>\$0</u>
Total Grants Avail:	\$53,900

Example 3:

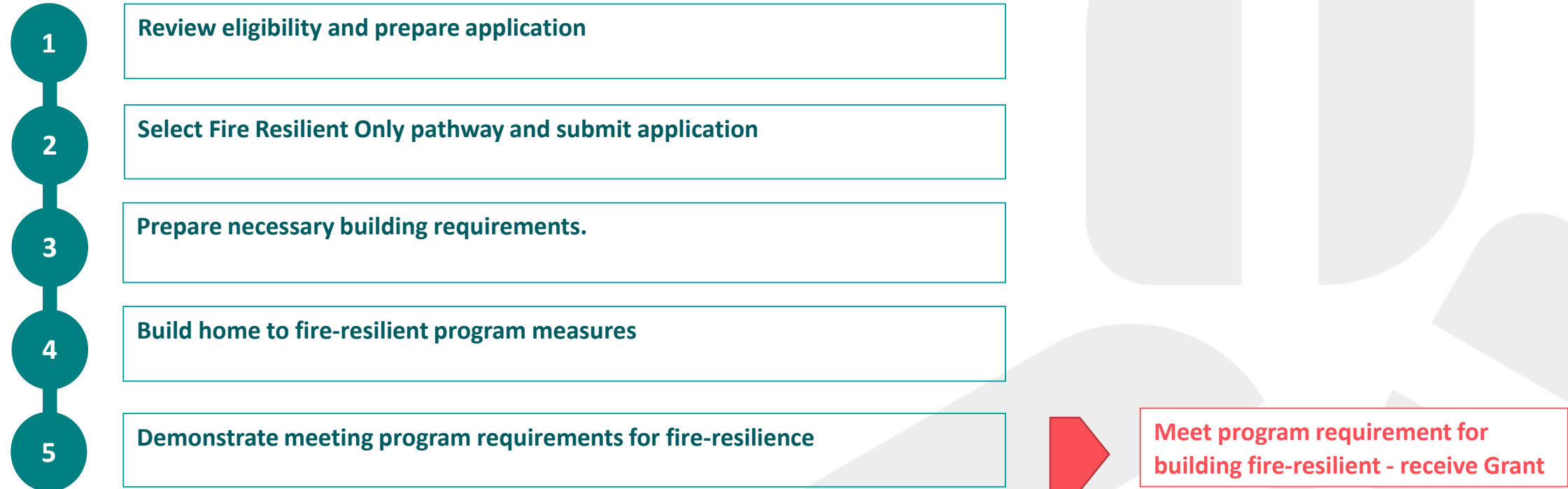
Any sqft home with fire-resilient only

Design	\$0
Fire Resilience	\$10,000
Net Zero Ready	\$0
<u>Net Zero</u>	<u>\$0</u>
Total Grants Avail:	\$10,000

*square footage prior to June 30 2021 is used to calculate funding levels

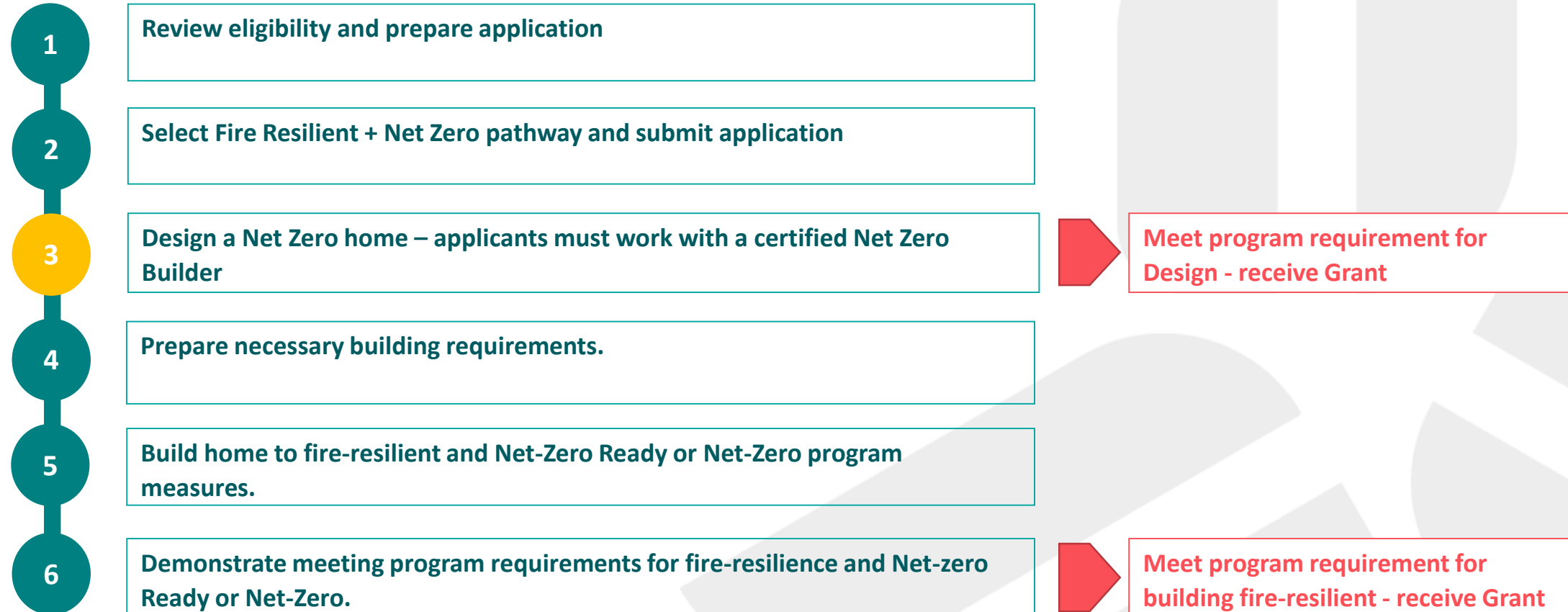
Steps through the program

Pathway One: Fire Resilient Only



Steps through the program

Pathway Two: Fire Resilient + Net Zero



Applying for the program

- The program started accepting applications on May 31 and will continue to receive applications until June 14, 2024.
- Please reach out the PacifiCan team to discuss your eligibility and request an application package.
- Determine your program pathway.
- Browse certified Net Zero builders on the Canadian Home Builders' Association webpage.



Documents you will need

- ✓ Proof of identity
 - Two pieces of government ID (one with photo)
- ✓ Proof of existence and size of residential structure before the Lytton Creek Wildfire
 - BC Property Assessment information
- ✓ Proof of home ownership and address
 - State of title certificate or attestation form signed by insurance
- ✓ Application form



Get in touch!

- **Write to our email address:**
Lytton@pacifican.gc.ca
- **Visit our website:**
<https://www.canada.ca/pacifican-lytton-programs>
- **Meet with the team:**
 - **By phone**
 - **Virtually by Zoom/Teams**
 - **In person** - team will be available at designated times in Ashcroft and Lytton

