

# NEW HOME PROGRAM

Community Energy Association  
Cranbrook

November 18, 2016



We're working together to help B.C. save energy.



# AGENDA

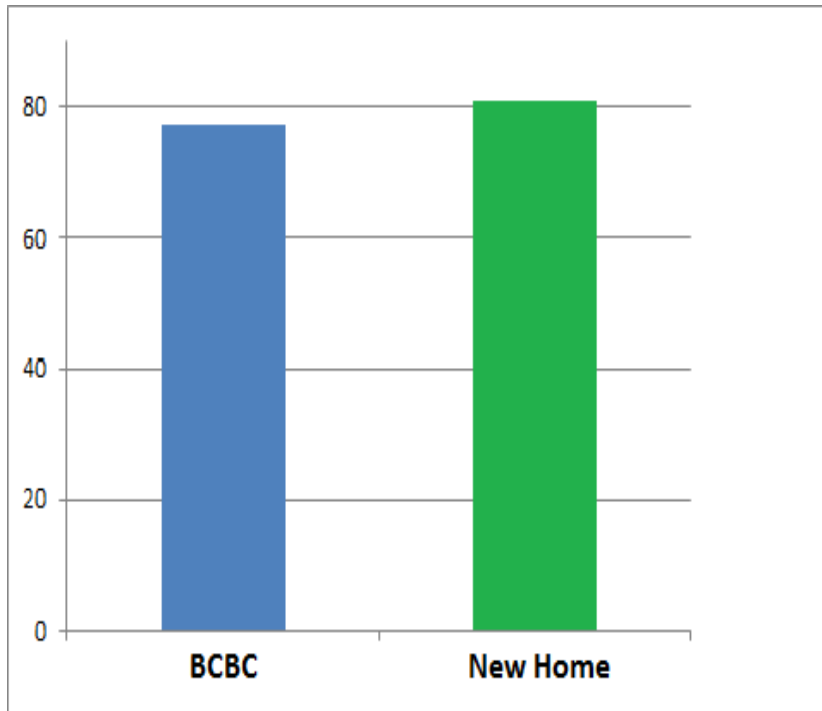
## New Home Program Overview

1. Program Standard & Offer
2. Who's Involved
3. Program Requirements
4. What's in It for Consumers?
5. Builder Stories
6. Lets Work Together

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# NEW HOME PROGRAM

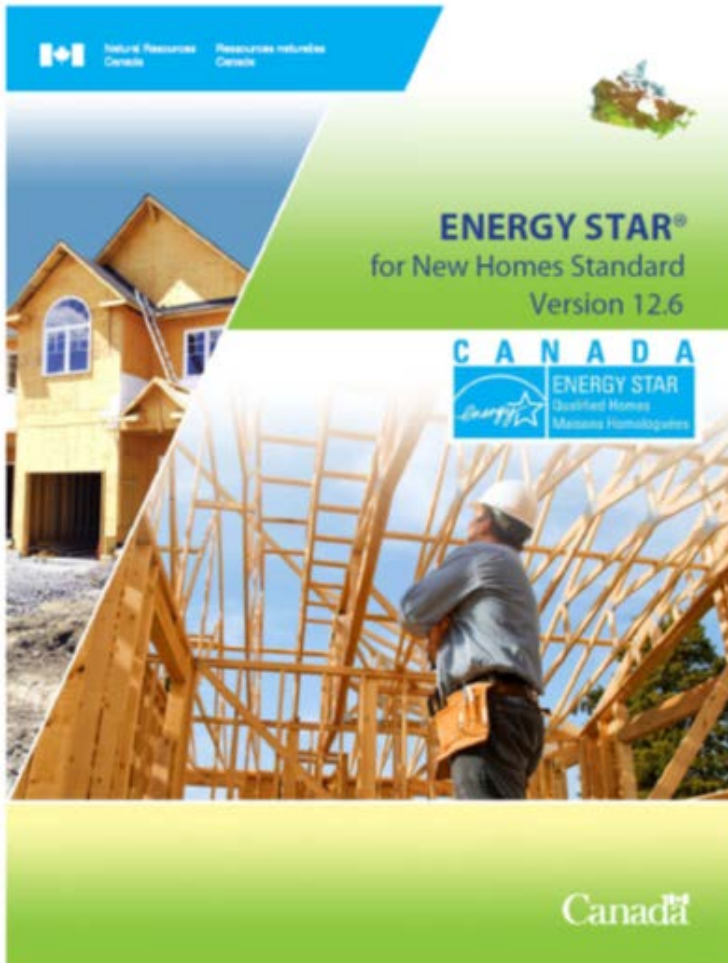


- The New Home standard (ESNH) is above BCBC.
- We strive to continue advancing BCBC.
- Work with multiple industry partners.

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# NEW PROGRAM DIRECTION



## ENERGY STAR® FOR NEW HOMES

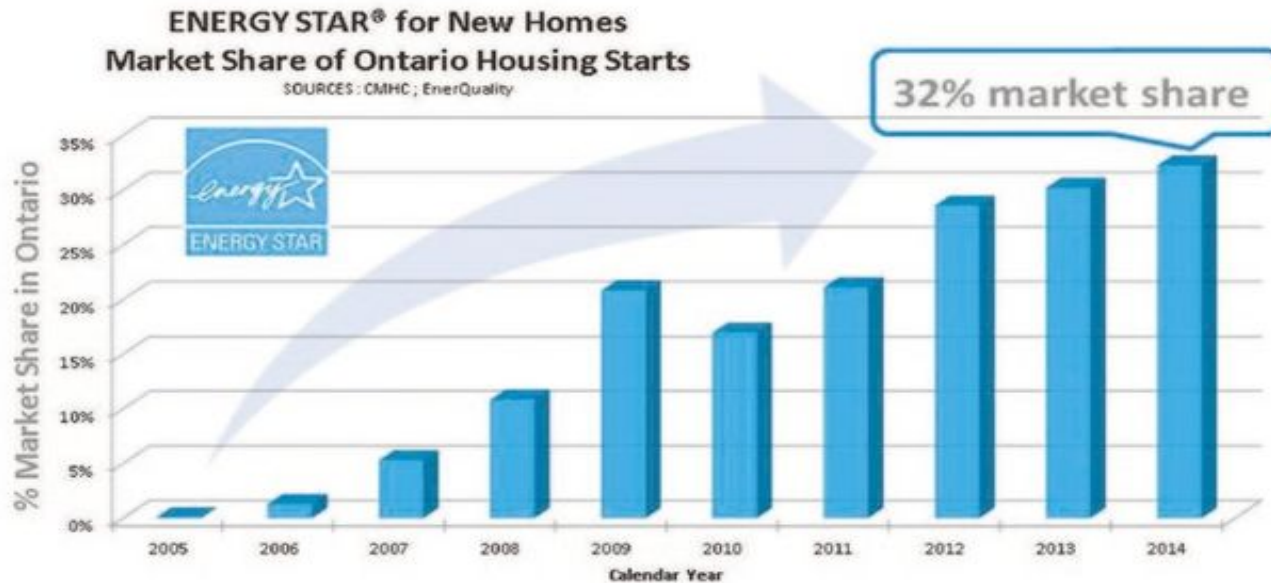
- Designed 20% better than Code.
- Utilizes common building practices.
- It's flexible...
  - prescriptive “menu” – builder options
  - performance energy model – EG81
- Consumer access to truly energy efficient new homes.

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# NEW PROGRAM DIRECTION

## ENERGY STAR® for New Homes is Canada's Most Successful Green Building Program



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# ENERGY STAR VS. ENERGUIDE

## ENERGY STAR for New Homes

### Core package of energy efficient products and minimum performance levels.

- HOT2000 software
  - Develops energy model from plans
  - Air leakage test at completion
- 
- ✓ Pass/fail air leakage  $\leq 2.5$  ACH50
  - ✓ Requires ENERGY STAR HRV
  - ✓ Requires minimum insulation levels
  - ✓ Requires ENERGY STAR windows and doors
  - ✓ Requires 400kWh electricity savings

## Energuide Rating System

### Records values but doesn't require minimum efficiency of products

- HOT2000 software
  - Develops energy model from plans
  - Air leakage test at completion
- 
- Records air leakage value
  - Records equipment models
  - Records building component levels

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# THE OFFER

- Builder incentives
- ENERGY STAR® for New Homes
- EA training, subsidies and support
- Collaboration and Partnerships
- Marketing support
- Realtor and consumer education



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# OPTION 1

| Whole Home Performance | ENERGY STAR® New Home |        |                        | EG 82   |
|------------------------|-----------------------|--------|------------------------|---------|
|                        | SFD                   | Duplex | Rowhouse/<br>Townhouse | Laneway |
| Province               | \$2000                | \$700  | \$700                  | \$250   |
| City of Vancouver      | \$250                 | \$250  | \$700                  | \$250   |
| ENERGY STAR Dryer      | \$100                 |        |                        |         |
| EnerChoice Fireplace   | \$300                 |        |                        |         |

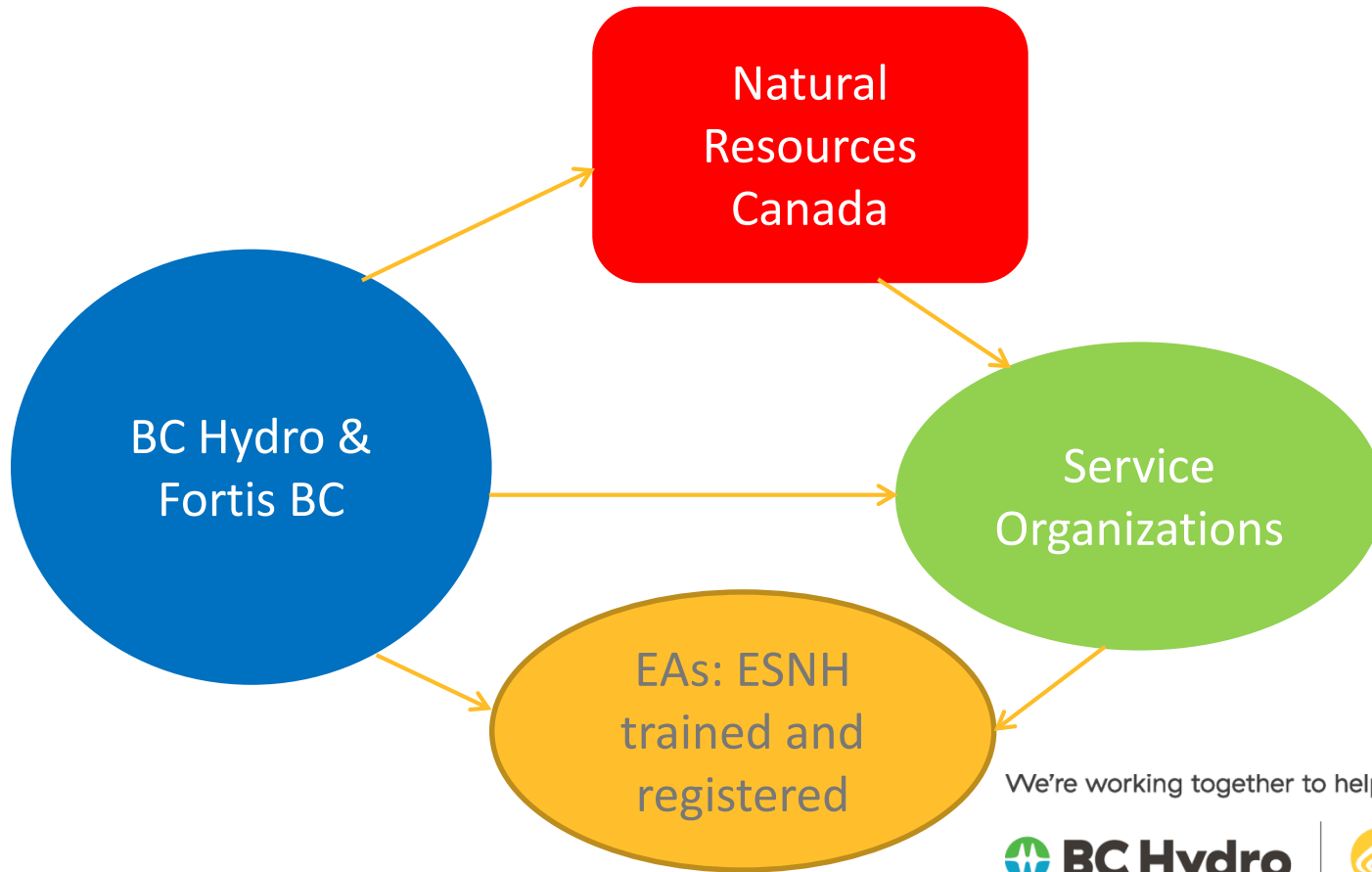
**Whole home incentives for ENERGY STAR® qualified homes and laneways, minimum EG82, are applicable to natural gas heated homes, provided by FortisBC, and homes in the FortisBC electric service territory.**

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# WHO'S INVOLVED?



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# OPTION 1 – HOW TO GET STARTED

- **Contact** a CEA who is ENERGY STAR® for New Homes trained and licensed and who has completed New Home training sessions.
- **Train** and familiarize themselves with New Home Program including ESNH during pre-construction consultation.
- **Contact** CHBA to register for the Building Sciences for New Home course.
- **Get Certified** with the Builder Certification Webinar 3 hour/\$70.00 webinar.
- **Register** with NRCan as an ESNH builder.
- **Support** is available from EAs.

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# OPTION 1 – REQUIREMENTS BY PHASE

- 1. To start:** EAs complete two training sessions, sign utility agreement.
- 2. Pre-construction:** review program during orientation with builder participants and complete “Pre-construction recommendations”.
- 3. Mid-construction consultation:** air leakage assessment, “Mid-construction consultation” with recommendations. Follow up/check-in.
- 4. Post-construction:** “ESNH verification checklist” with utility tabs, re-name file for New Home application.

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# OPTION 2

## Natural Gas Appliances Only

|                      |               |
|----------------------|---------------|
| Water Heaters        | Up to \$1,000 |
| ENERGY STAR Dryer    | \$100         |
| EnerChoice Fireplace | \$300         |

- Application form available at [www.fortisbc.com/newhome](http://www.fortisbc.com/newhome)
- Contact FortisBC Energy Solutions Manager – natural gas
- Contact FortisBC Energy Advisor – electric

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# FOR HOMEOWNERS

## ENERGY STAR® qualified homes offer “built-in comfort, quality and peace of mind.”

- **Comfort:** minimizes warm and cold spots.
- **Durable:** focus on envelope first, minimum requirements beyond building code.
- **Healthier:** a balanced fresh air system (HRV) improves indoor air quality with a filter to reduce dust, pollen and other allergens.
- **Peace of mind:** third party verified by trained energy advisor and ENERGY STAR labelled.

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# BUILDERS' EXPERIENCES

## Symphony Homes: Elenora Residences

- Single Family Homes (12)
- While meeting local municipal requirements, came upon ENERGY STAR for New Homes & Built Green.
- Maintain quality at affordable price.
- Sets them apart.
- Discloses and shows potential buyers.
- Estimate costs to be 3 to 4% more.



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# LET'S WORK TOGETHER!

- Brochure orders
- Email: [newhome@consumer-response.com](mailto:newhome@consumer-response.com)
- We welcome opportunities to sponsor builder breakfasts or builder association events in your area.
- Other ideas – let us know

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# CLOSE & QUESTIONS

Thank you.

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