

NEW HOME PROGRAM

Community Energy Association
Fernie

November 17, 2016



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



AGENDA

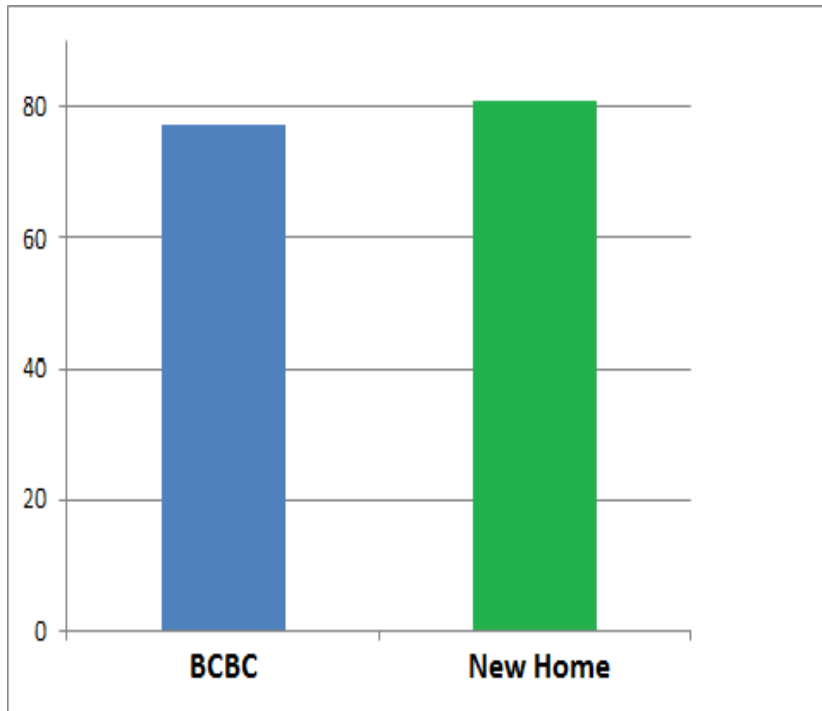
New Home Program Overview

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

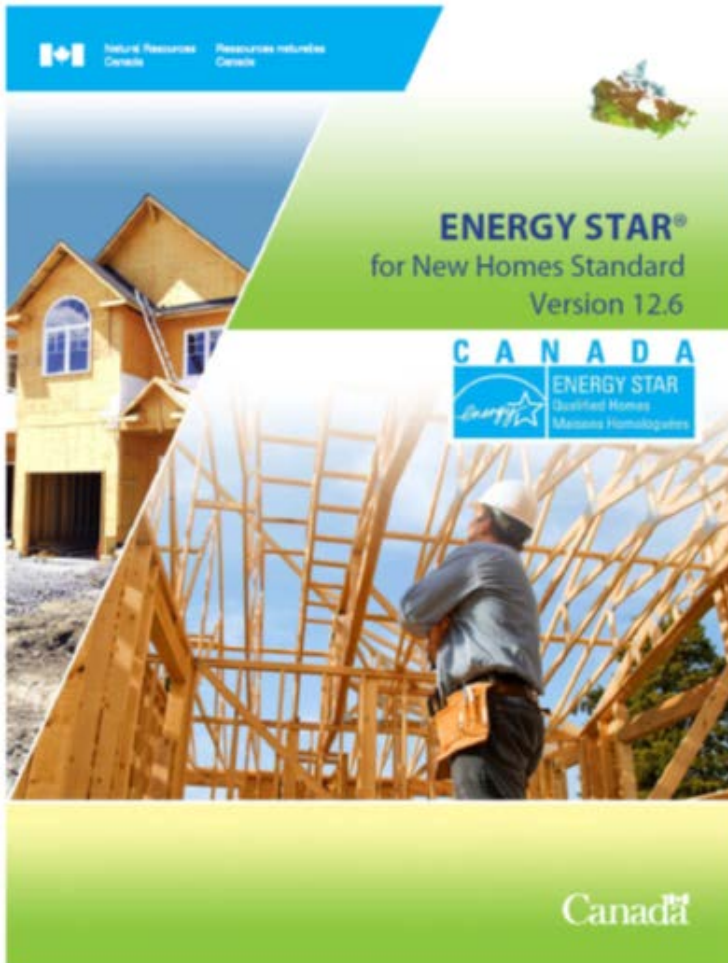


- The New Home standard (ESNH) is above BCBC.
- We strive to continue advancing BCBC.
- Work with multiple industry partners.

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NEW PROGRAM DIRECTION



ENERGY STAR® FOR NEW HOMES

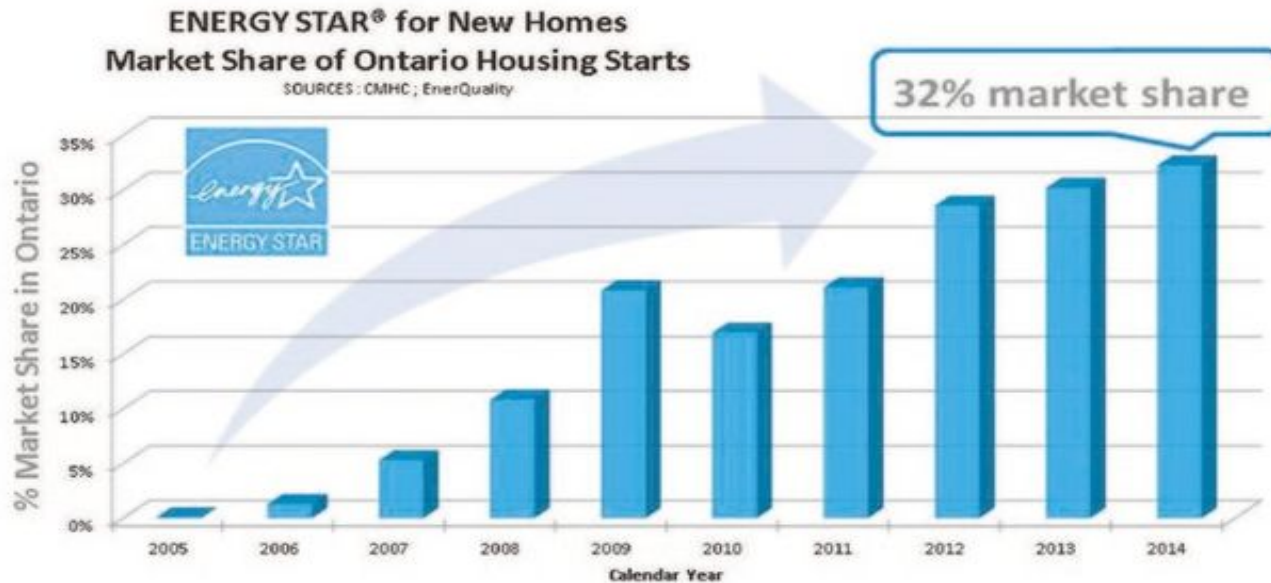
- Designed 20% better than Code.
- Utilizes common building practices.
- It's flexible...
 - prescriptive “menu” – builder options
 - performance energy model – EG81
- Consumer access to truly energy efficient new homes.

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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 ≤ 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

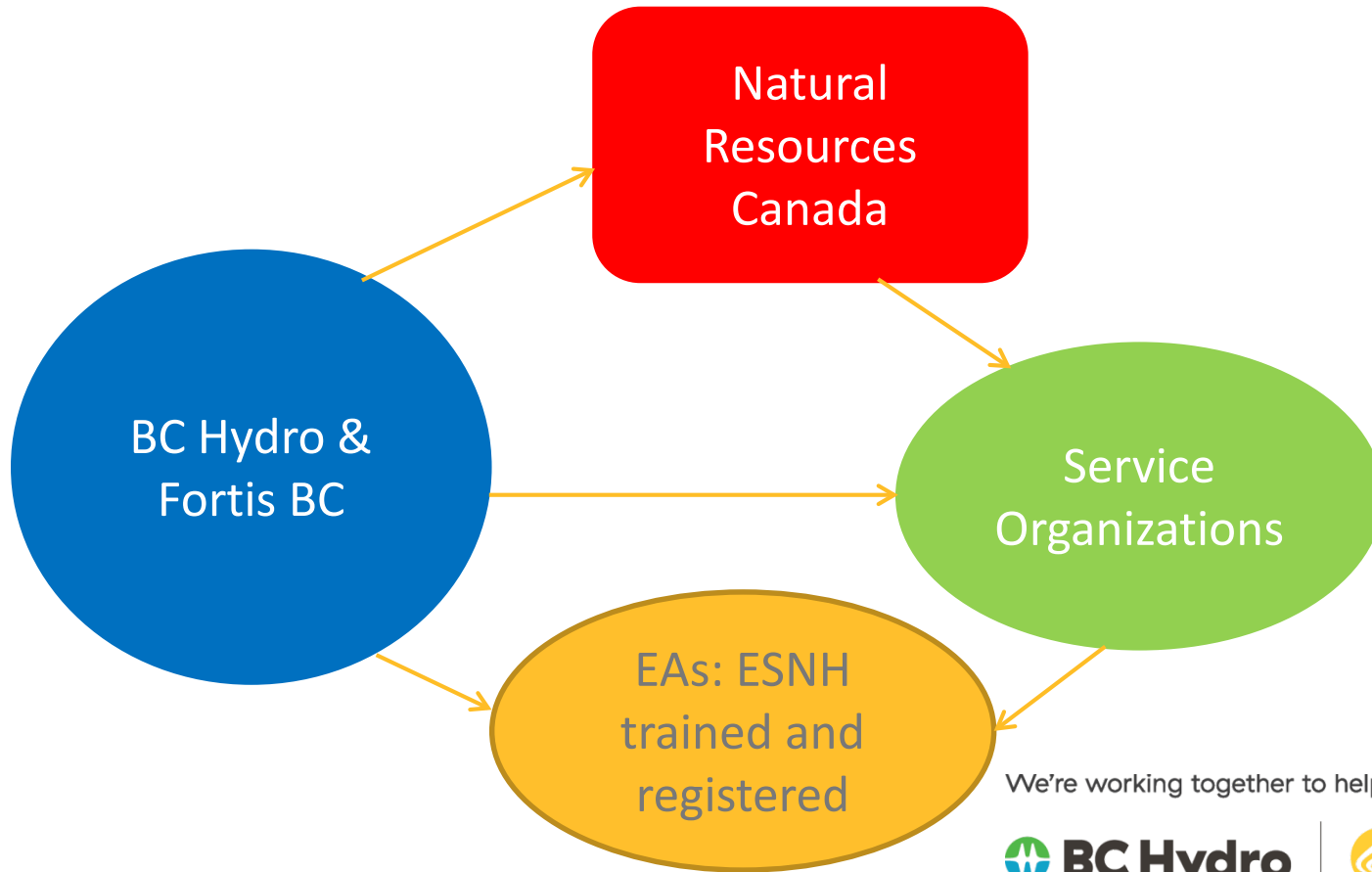
Whole Home Performance	ENERGY STAR® New Home			EG 82
	SFD	Duplex	Rowhouse/ Townhouse	Laneway
Province	\$2000	\$700	\$700	\$250
City of Vancouver	\$250	\$250	\$700	\$250
ENERGY STAR Dryer	\$100			
EnerChoice Fireplace	\$300			

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
- 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
- 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.

Cynthia Curll
BC Hydro
604 623 4340
cynthia.curll@bchydro.com

Fortis BC - Natural Gas
Beth Ringdahl
604 592 8265
beth.ringdahl@fortisbc.com

Melissa Manley
FortisBC - Electric
250 469 8017
melissa.manley@fortisbc.com

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