

KOOTENAY clean energy transition

Introduction to changing heat pump
training requirements and the
Columbia Valley Heat Pump Pilot

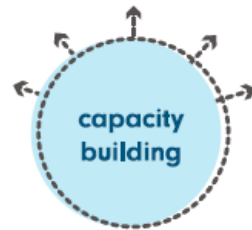
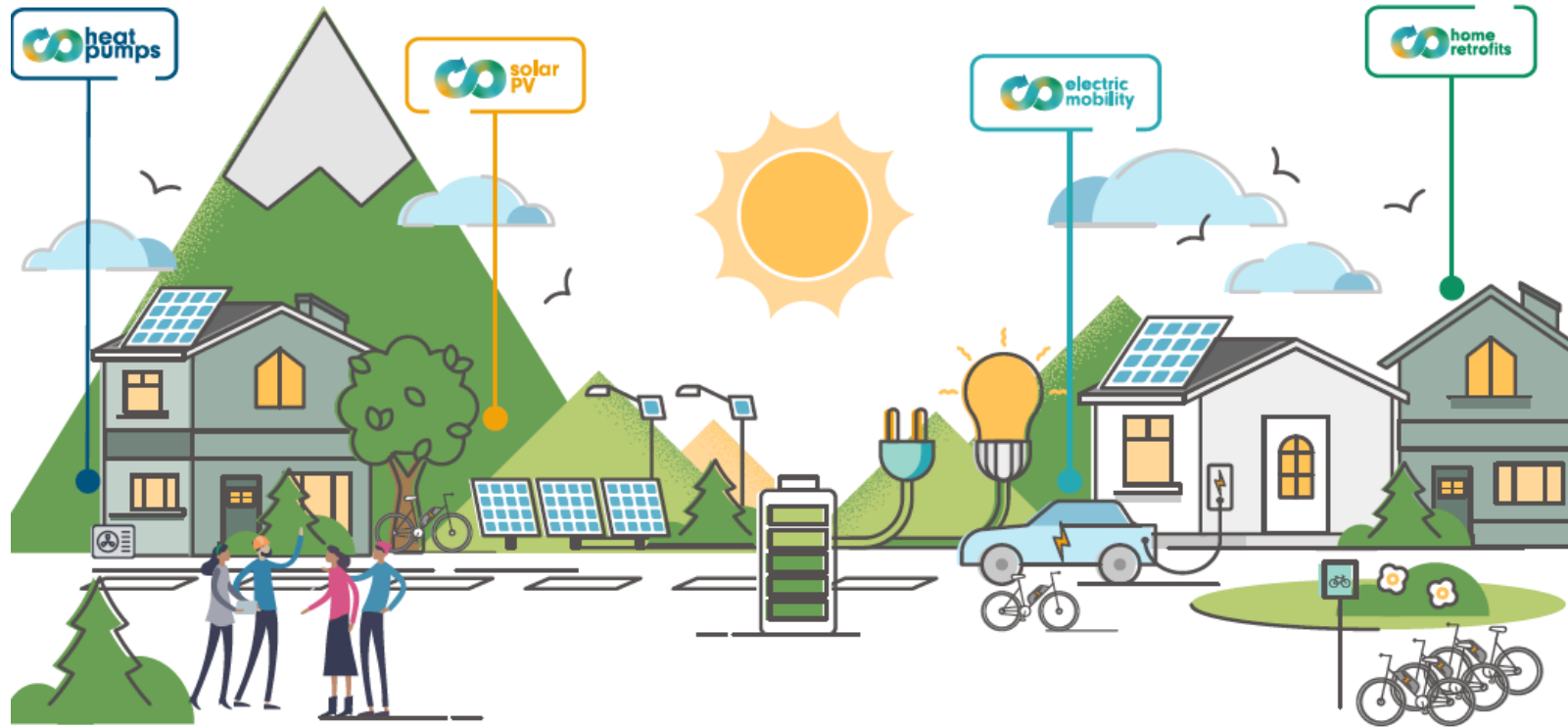


Community Energy
Association

Agenda

- Columbia Valley Heat Pump Pilot (10 min)
- Home Performance Contractors Network (20 min)
- BetterHomes Income Qualified Program and contractor heat pump incentives and (10 min)
- Upcoming Heat Pump Training (5 min)
- Questions & Wrap Up (10 min)
 - Feel free to ask questions in the chat box throughout

Kootenay Clean Energy Transition



Columbia Valley Heat Pump Pilot

- Columbia Valley Heat Pump Pilot:
 - 30 installs in 2021/2022 (goal of 100 over 5 years)
 - Increase Homeowner Awareness & Support
 - Capacity Building for Contractors to meet demand
- What we learn will influence pilots in other areas of the Kootenays



Goal = Increase adoption of heat pumps by showcasing quality installations of cold-climate ASHPs on well-suited homes

Columbia Valley Heat Pump Pilot

HOMEOWNERS

Attend webinar / see marketing materials

Express interest in pilot

Intake questionnaire and energy audit completed (identifying rebates)

Connected with approved pilot contractors

Request and review quotes & book work

CONTRACTORS

Attend training

Join the HPCN

Accepted into pilot program

Connected with homeowners wanting heat pump retrofits and suppliers of cold-climate technology

Peer learning opportunities

Quote design & installations

INSTALLATIONS

Design and installations completed with opportunities for peer learning

Invoices paid

Rebate forms submitted by homeowners

Case studies documented and showcased

Goal = Increase adoption of heat pumps by showcasing quality installations of cold-climate ASHPs on well-suited homes

Programs in market

CleanBC Better Homes and Home Renovation Rebate

- Integrated offer - Information, rebates and support to reduce energy use and greenhouse gas emissions in new and existing homes - betterhomesbc.ca
- Rebates available from the province, BC Hydro and FortisBC
- Goals
 - Help people conserve energy and make their buildings healthier and more comfortable
 - Accelerate retrofits that help households reduce greenhouse gas emissions (GHGs) and energy use
- Contractor requirements - Insulation Contractors are required to be registered to access rebates

NRCan Greener Homes

Coming Soon: CleanBC Better Homes Income Qualified Program

Program Overview

- Standalone, income-qualified home retrofit program
- High-value incentives to low- to moderate-income households
- Complement to existing energy efficiency rebate programs
- \$11M, two-year program

Goals

- Improve energy affordability for income-qualified households facing financial hardship
- Increase awareness of energy efficiency and fuel switching opportunities
- Reduce greenhouse gas emissions in support of Province's CleanBC Plan

Coming Soon: CleanBC Better Homes Income Qualified Program

- Available rebates - 60% - 95% of upgrade costs, with maximum rebate values
 - Air Source Heat Pumps – Up to \$9,500
 - Air to Water Heat Pumps – Up to \$13,000
 - Heat Pump Hot Water Heaters – Up to \$3,500
 - Insulation – Up to \$5,500
 - Windows and Doors – Up to \$9,500
 - Electric Service Upgrades – Up to \$3,500
 - Health and Safety/Ventilation – Up to \$1,600
- Contractor-driven program to reduce barriers to entry
- Contractor requirements – Required to be a registered contractor as a PRC or HPCN member and signed up with Income Qualified Program
- To sign up please email IncomeQualified@BetterHomesBC.ca

Capacity Building: Heat Pumps

- Through the Columbia Valley Heat Pump Pilot, we will provide :
 - Local heat pump training that aligns with the HPCN
 - **Principles of Moving Air (2.5 days in Invermere, November 4-6)**
 - Building science (Home-as-a-system, available now online through HPCN)
 - Heat Loss / Heat Gain (online session to follow POMA)
 - Quality heat pump design & installation training (6 modules, online)
 - Pilot specific training
 - Working with an Energy Advisor and current rebates available
 - Equipment specific training and QA/QC opportunities
 - Additional sessions as needed

TECA: Principles of Moving Air



- November 4-6: Invermere Chamber of Commerce
 - Newer more efficient furnaces and especially heat pumps require larger volumes of air to be moved. This course will benefit anyone working in the New, Retrofit or Repair portions of the industry
 - Instructor David Hill has worked in the residential ventilation industry for 41 years and co-founded TECA 25 years ago
- Registration deadline: October 21, 2021. Space is limited.
- Schedule: Thurs 3-5 pm, Fri & Sat 9 am- 4 pm
- Course fees: TECA Members: \$400.00 Non-Members: \$500.00
Regulators / Inspectors: \$200.00
 - Contractors are eligible for training reimbursement and wage subsidies when they are registered for the HPCN
 - Breakfast and Lunch included, discount at Copper Point Resort

Why are we doing this?

- Support Kootenay trades and contractors preparing for:
 1. More stringent requirements for rebate programs
 2. Anticipated shifts for the home comfort industry
 3. Provincial goals for low carbon future and electrification
 4. Changing customer expectations and increased demand
- Ensure Kootenay residents can access local skilled trades for quality installations of cold-climate ASHPs and benefit from all rebates and incentives available

Next Steps

1. Visit HPCN and begin registration process
2. Register for POMA training (space is limited)
3. Visit communityenergy.ca/kcet to sign up for pilot info

All information and links will be sent out to attendees

Questions

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Thank you



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