

Market trends facing the Pacific Northwest

April 2018





HVAC MARKET TRENDS

TWO RESEARCH ACTIVITIES





HVAC MARKET TRENDS

GOALS OF OUR STUDY





RESEARCH ACTIVITIES

AHR EXPO 2018



Largest HVAC Trade Show

Interviewed 11 Manufacturers

Attended 3 Learning Sessions



RESEARCH ACTIVITIES

MARKET ACTOR INTERVIEWS

11 Distributors & Manufacturer Reps

10 Contractors

5 Single-family Home Builders

4 Manufactured Home Builders



Interviews

30 TOTAL

HVAC MARKET MOVING TOWARD EFFICIENCY

A BALANCING ACT



#INDING #

GETTING SMART

Total System Approach and Controls Innovations





MARKET ACTORS TAKING A TOTAL SYSTEM VIEW

TOTAL SYSTEM & SMART CONTROLS











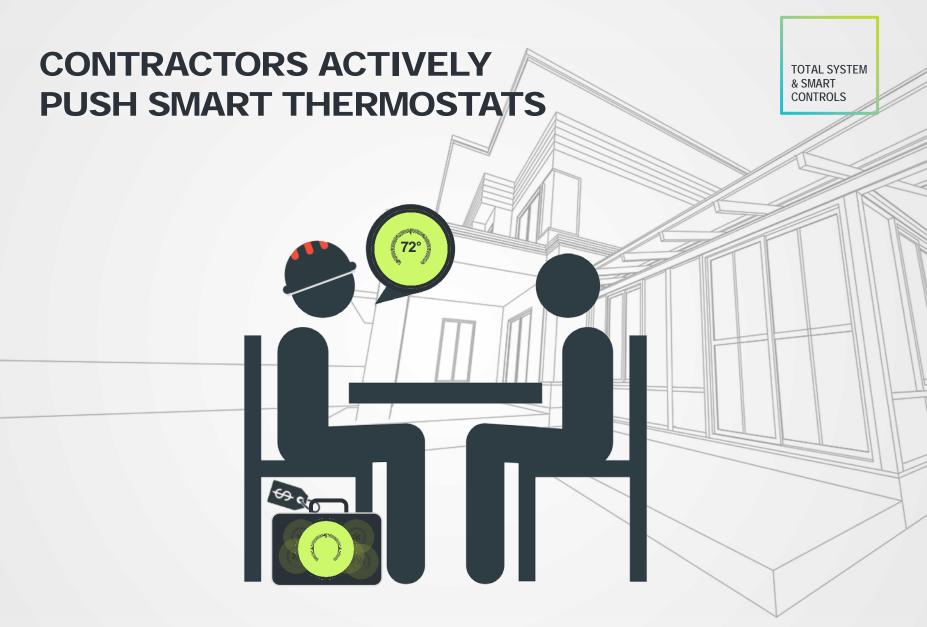




TOTAL SYSTEM & SMART CONTROLS



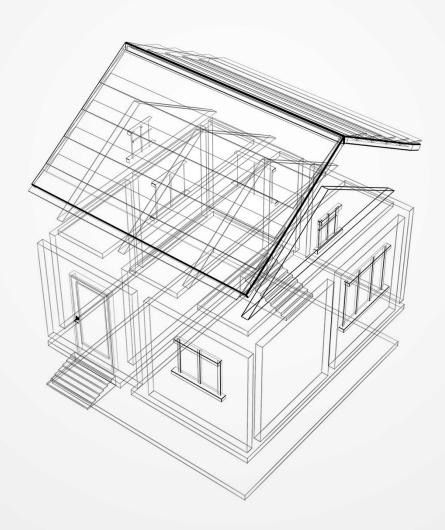






STRONG SMART THERMOSTAT GROWTH IN SINGLE FAMILY NEW CONSTRUCTION

TOTAL SYSTEM & SMART CONTROLS



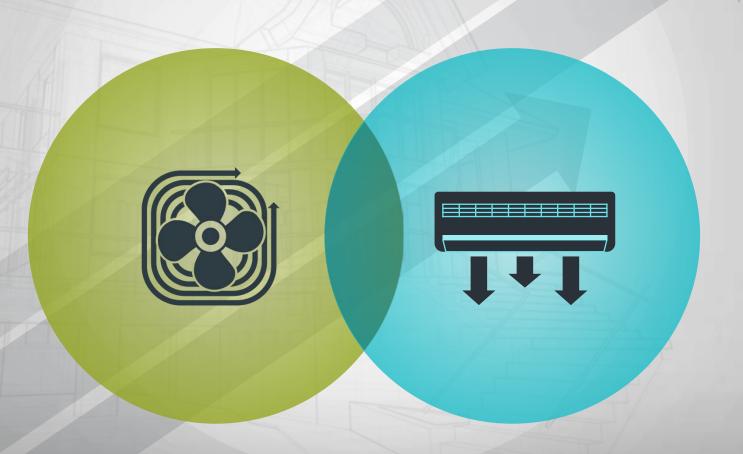






DUCTLESS TECHNOLOGY STILL GROWING ACROSS THE BOARD

INNOVATIONS IN EFFICIENCY





DUCTLESS HEAT PUMPS CONTINUE TO RISE IN POPULARITY IN THE NW

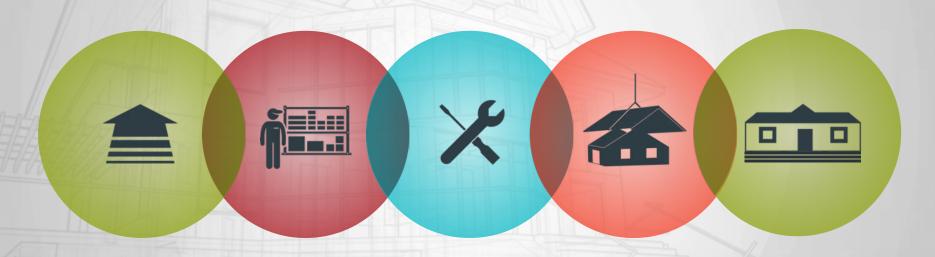
INNOVATIONS IN EFFICIENCY





ALMOST EVERYONE IS OFFERING DHPS — NO LONGER A NICHE PRODUCT





Manufacturers
Advance the
Technology

Distributors Well-Stocked Installers Actively Selling Common in New Single Family Homes Rarely Installed at Manufactured Home Factory

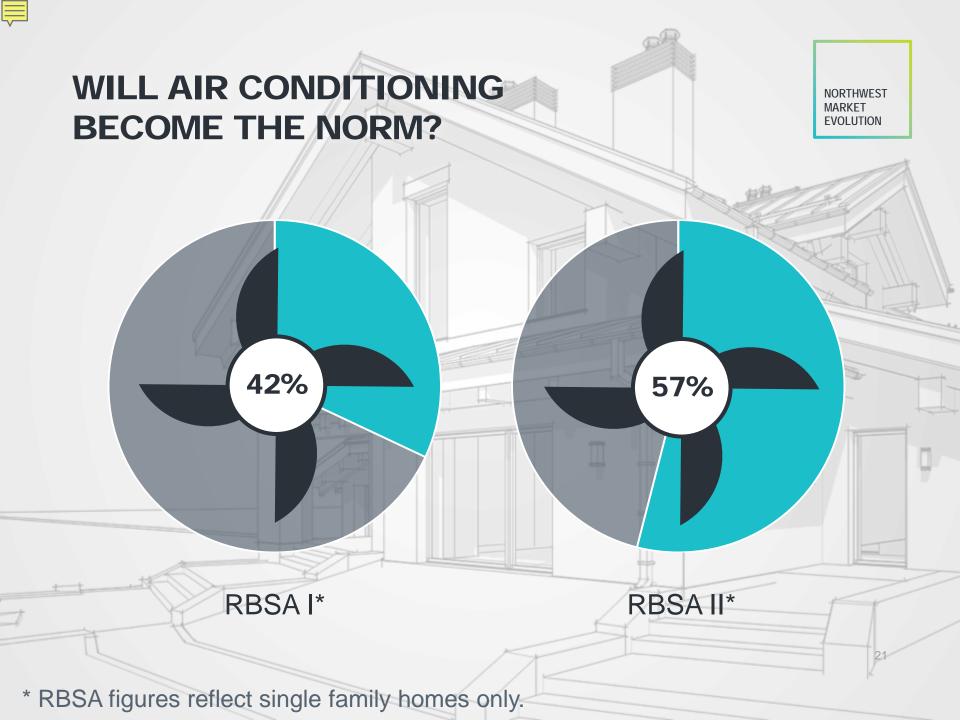


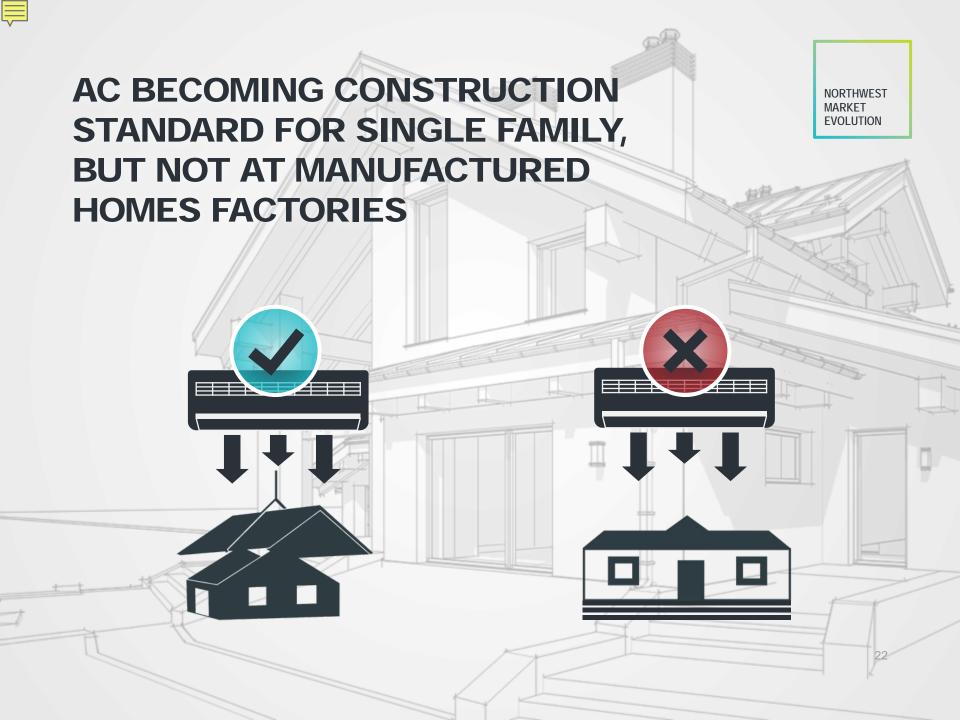
MORE TECHNOLOGY OPTIONS REINFORCE NEED FOR A SYSTEMS APPROACH















Read more: www.bpa.gov/goto/HVAC



NEXT STEPS

KEY TAKEAWAYS FOR OUR TEAM

Verify model inputs and results

Gather more information on key areas identified through interviews:

- 1. Growth in AC Penetration
- 2. Thermostat Savings
- 3. Manufactured Home Equipment





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