

NHPC '22

NASHVILLE

We're back in person- See you in Nashville!

April 11-14, 2022 | Nashville, TN

BPA is pleased to offer our 2022 national conference as an in-person event once again this year. The 2022 National Home Performance Conference & Trade Show is hosted April 11-14, 2022, in Nashville, TN. This event brings together the home performance industry for four days of educational content, networking, industry updates, & business growth.

100+ Educational Sessions & Workshops | Continuing Education Units (CEUs) | In-Person Trade Show

HOST SPONSOR: 

Educational Tracks



Fundamentals



IAQ & Healthy Homes



Affordable Housing
& Multifamily



Building Envelope



Running Your Home
Performance Business



Operating & Delivering
Weatherization Programs



Diagnostics & Audits



Program Success



Workforce Development



HVAC Strategies



The Smart Home



Home Performance Policy

Sessions and workshops are added and updated regularly. Please check back for updates.

Daily Schedule

DAY ONE

Monday, April 11

7:00 a.m. - 4:15 p.m. **Trade Show**

8:00 a.m. - 4:00 p.m. **Workshops**

4:15 - 5:15 p.m. **Conference Kickoff**

5:15 - 6:45 p.m. **Welcome Reception &
Trade Show**

DAY TWO

Tuesday, April 12

7:00 a.m. - 4:00 p.m. **Trade Show**

7:00 - 8:30 a.m. **Breakfast**

8:30 - 9:30 a.m. **Breakout 1**

10:00 - 11:00 a.m. **Breakout 2**

11:30 a.m. - 12:30 p.m. **Breakout 3**

12:30 - 2:30 p.m. **Lunch & Exhibits**

2:30 - 3:30 p.m. **Breakout 4**

4:00 - 5:00 p.m. **Breakout 5**

5:00 - 6:30 p.m. **Reception & Trade Show**

6:00 - 7:15 p.m. **Evening Session**

DAY THREE

Wednesday, April 13

7:00 a.m. - 4:00 p.m. **Trade Show**

7:30 - 9:00 a.m. **Breakfast**

9:00 - 10:00 a.m. **Breakout 6**

10:30 - 11:30 a.m. **Breakout 7**

11:30 a.m. - 1:30 p.m. **Lunch & Exhibits**

1:30 - 2:30 p.m. **Breakout 8**

3:00 - 4:00 p.m. **Breakout 9**

DAY Four

Thursday, April 14

7:00 - 8:30 a.m. **Breakfast**

8:30 - 9:30 a.m. **Breakout 10**

9:45 - 10:45 a.m. **Breakout 11**

11:00 a.m. - 12:00 p.m. **Breakout 12**

New for 2022!

- The trade show will open when the conference begins on Monday for the very first time - things will be in full swing from the start!
- The session previously known as the General Session, now called Conference Kickoff, will be offered late Monday afternoon.
- Our first trade show reception will be a true welcome reception and will take place on Monday evening directly following the Conference Kickoff.
- To help facilitate more networking, we are extending our lunch hours. Plus, lunch is going to have a different feel this year. More details to come!
- Our exhibitors will be located throughout the venue, not tucked away in a dedicated ballroom. This will allow for easier access to them throughout the week!

Monday Workshops

90-Minute Workshops

Crafting Ventilation Systems: Understanding Modular Components

Corbett Lunsford, Paul Raymer



Delivering Comprehensive Decarbonization in Existing Homes

Carolyn Sarno-Goldthwaite, Richard Faesy, Derek Koundakjian, Gabrielle Stebbins

Designing, Installing, and Improving Ducts for High Performance

Allison Bailes, Marcus Bianchi

Investigation of Spray Foam Insulation Odor Sources Using Air Testing Combined with Off-Gas Sampling

Henri Fennell

Testing Outside the Box: Advanced and Off-Label Diagnostics for Ninjas

Corbett Lunsford, Bill Spohn



Transitioning from Home Performance to Decarbonization: Finding Affordable and Scalable Solutions

Iain Walker, Brennan Less, Núria Casquero-Modrego

Weatherization Relationships: Why are They Important?

Ray Judy

Year-Round Humidity Control

Nikki Krueger, Patrick Nielsen, Douglas Horgan

House as a System

David Keefe

Session Themes

Sessions annotated with the following icons reflect the conference themes below, woven throughout the agenda.



Decarbonization & Electrification



Diversity, Equity, & Inclusion (DEI)

Half-Day Workshops

37 Ways To Build A Roof Wrong—And How To Avoid Them

Douglas Horgan

2022 Ventilation Extravaganza

Rick Karg

Home Performance Counts Green Tour

Amanda Stinton, Anna Stern

DOE Residential: Updates & Feedback Opportunities on New Priorities

Joan Glickman, Jonathan Cohen, Steve Dunn, Eric Werling, Madeline Salzman, Adam Hasz, Marc LaFrance

How to Audit a Multifamily Building if You Have Never Done One

Andrew Padian, Brody Vance

Vented and Un-vented Attics and Cathedral Roof Slopes with Foam Insulation

Henri Fennell

Workforce Development Workshop: Interactive Sessions to Develop your Organization's Hiring, Training, and Retaining of Employees

Caroline Hazard, Patch Garcia, Rob Minnick, TBD

Developing Healthy Homes Pilot Programs

Paul Francisco, Keith Canfield, TBD

Full-Day Workshop

Heat Pump Full Day Workshop

Keith O'Hara, Dan Perunko

Evening Session

Season 2 Screening and Q&A with 'Home Diagnosis' TV Series Creators

Corbett Lunsford, Grace Lunsford

60-Minute Sessions: Tuesday-Thursday



Fundamentals

Air Sealing Tips & Techniques

David Keefe

Blower Door Fundamentals

Jake McAlpine

BTL, Refrigerant Cycle, SSE, Oh My!: How to communicate complex ideas in an understandable way

Jake Nuckolls

Creative Comfort: Going Beyond the Thermostat Set-Point

Linda Wigington, Rana Belshe

Duct Leakage Basics

Jake McAlpine

Heat Loss / Heat Gain

Rick Karg



Heat Pumps 101

TBD

IAQ Basics

Rick Karg

Managing Household Moisture

David Keefe

Radon 101

Dick Kornbluth

Zone Pressure Diagnostics

Rick Karg



Equity 101

Darnell Johnson, TBD





Building Envelope

Addressing the Hole in the Wall: DOE's Storm Window and Insulating Panel Campaign

Christian Valoria, Katherine Cort, Thomas Culp, Kim Schryer

Disaster Resilience in Rebuilds, Remodels, and Retrofits

Dan Wildenhaus, Theresa Gilbride, Alex Cary

If Walls Could Talk: Energy and Cost Performance for Common and Experimental Wall Retrofits

Chrissi Antonopoulos, Andre Desjarlais, Patti Gunderson, Patrick Huelman

Low-Pressure Disposable Foam Systems - Introduction and Quality Assurance

Henri Fennell



Mobile Home Electrification: How to be Successful

Hal Smith, Jon Harrod, Matt Dennis

Siding Retrofits: A Golden Opportunity to Boost Envelope Performance

Katherine Cort, Jason Elton, Theresa Gilbride, Kohta Ueno, Waylon White

The Science Behind Insulation: in Cavities and Continuous

Achilles Karagiozis, Marcus Bianchi

Maximizing Equipment, Productivity, & Quality For Fibrous and Spray Foam Insulations

Ken Allison, Chris Fuerst

Closed Crawl Spaces: Protect Homes, Improve Comfort, and Ensure a Healthy Living Environment

Nikki Krueger, Dane Malmberg



Heat Pump Readiness: Optimizing the Envelope

Jon Harrod

Low Rise Multifamily & Townhome Air Sealing

TBD





Diagnostics & Audits

Advanced Monitoring & Building Diagnostics

Doug Horgan

Auditing Manufactured Housing

TBD

Combustion Safety Testing Protocols

Paul Francisco

Walking the Walk: Building Performance Lessons Learned from Personal Home Projects

Gary Nelson, Bill Spohn



Electrification Readiness Assessment

TBD

Energy Audits and Historic/Significant Architecture

Richard Reilly

How to Inspect the Hard to Inspect

Jake Nuckolls

New Gadgets for the Energy Auditor

Sam Myers, Bill Spohn

Improving Blower Door Air Tightness Readings in Windy Conditions

Gary Nelson





HVAC Strategies



Air Source Heat Pump Installs: How to Avoid Callbacks and Create Happy Customers

Jon Harrod, Seth Smith

ASHRAE 62.2 Compliance in Weatherization

Rick Karg

Beyond the Garage and Basement: Overcoming the Challenges of Installing HPWHs in Small Spaces

Bruce Manclark

Dehumidification for Multi-Residential Housing - Health, Efficiency And Comfort

Nikki Krueger



Heating up Heat Pump Installs

Bob Davis

Hot Water Is a System, Not Just a Water Heater

Allison Bailes

Managing Airflows and Pressures in High-Performance, Low-Load, Airtight Homes

Patrick Huelman

Particle Filtration with Central Air Handlers: Folly or Opportunity?

Linda Wigington, Rhett Major

Real World Techniques to Ventilate and Manage Humidity in Homes

Shad Cook, Matt Slimskey

Static Pressure Testing

Rhett Major, Bill Spohn

The Dirty Little Secret About Filtration

Allison Bailes

Water and Energy Nexus

Andrew Padian, John Tooley





IAQ & Healthy Homes



Addressing Health Disparities

Leticia Colon de Mejias, Darnell Johnson

Attached Garages and Indoor Air Quality

Zachary Merrin

Healthier Energy Efficient Building & Retrofit Materials

Ryan Johnson, TBD

Helping Make Families Safer: Using Home Performance to Reduce Spread of Disease

Paul Francisco

IAQ and Connectivity - Before and After Multifamily Weatherization

Zachary Merrin

IAQ Science and Science Fiction

Paul Francisco

Kitchen Ventilation

TBD

Managing Moisture and Indoor Air Quality in Existing Homes in Hot Humid Climates

Lesley Herrmann, Erik Daugherty, Nikki Krueger

Tiered Credentials for Healthy Home Evaluation

Larry Zarker, TBD

Weatherization and Radon: Impact of Precautionary Measures in Residential Retrofit

Stacy Gloss, Jonathan Wilson





Affordable Housing & Multifamily



A Proven Tool, A New Problem: Integrated Design Meets Multifamily Electrification

Kimberly Vermeer, TBD

Aligning Funding

TBD

Estimation of Non-Energy Impacts from Energy Efficiency

Alex Richwine, Thomas McAteer



Home Energy Labeling: a Powerful Tool for Addressing Equity

Madeline Salzman, Maddie Koewler, Chrissi Antonopoulos



Home Performance to Income-eligible Households

Suzanne Sebastian, Angie Bivens

How to Address Low Income Weatherization with Affordable Housing Owners

Brody Vance, Andrew Padian



Leveraging Data to Support a Sustainable and Scalable Low-Income Energy Efficiency Program

Beth Parsons, Erin Rose, Bruce Tonn



Local Leverage: Building Nonprofit Partnerships to Reach Underserved Communities

Samantha Hart, Frank Rapley, Claudia Caballero





Program Success



Building an Equitable Clean Energy Future: Accelerating Investment in Home Energy Upgrades

Andrew Isaacs, Charles Cormany, Steve Dunn, Seth Rapoza

Home Performance with ENERGY STAR Work Groups : Deep Energy Retrofits & Remote QA

Greg Thomas, Joe Gennello, Kevin Powell

Leveraging Technology and Innovation to Deliver Energy Efficiency in a Changing World

Frank Rapley, Scott Harrell, Tom Horesh

Winning the Trades War: Encouraging the Trades to Participate in Programs

Bruce Manclark, TBD



Creating Diversity in Your Teams

TBD

Valuing Energy Efficiency in Homes

Emmeline Luck, John Karyczak, Maggie Kelley-Riggins, Hyleah O'Quinn, Anne Watson

Lessons from America's Heartland: Working toward market transformation by forming new collaborations

Pamela Brookstein, George Clark, Brett Bretton Vredevoogd, Casey Murphy





Operating & Delivering Weatherization Programs

Auditing Software & Priority Lists for Multifamily Weatherization

Bill Eckman, Mini Malhotra, TBD



Barriers and Solutions to Grow the Weatherization Workforce

Caroline Hazard, Linda Larsen, Stacy Gloss, TBD

DOE WAP Updates

Erica Burrin, Derek Schroeder, Amy Klusmeier

Overcoming Health and Safety Barriers to Weatherizing Homes: Lessons Learned from Connecticut

Richard Faesy, Ellen Tohn, Elizabeth Bourguet



Energy Justice in WAP

Erica Burrin, Sasha Tidwell, Amy Klusmeier



Manufactured Homes: Biggest Savings Opportunities & Innovative Approaches

TBD

Quality Control Inspectors & Auditors: Working Together for Better Results

Dennis D'Amelio, Jake Nuckolls, Nathan Krebs, Sam Dougherty

Weatherization Workforce Strategies and Lessons Learned for Recruitment, Retention and a Positive WAP Work Culture

Geoff Wilcox, Andrea Schroer, Alison Diehl





Running a Home Performance Business

The Most Important Digital Marketing Tactics for 2022

Peter Troast

Worst Practices: Learn What NOT to Do from Leading Home Performance Contractors

Damian Hodkinson, Dan Thomsen

Building Your Brand - Low cost and effective marketing & outreach

Alison Jackman, TBD

Finding the Home Performance Sweet Spot

Amanda Stinton, Anna Stern

How to Change the Conversion from Price to Value and Own the Whole Home

Cynthia Adams, Matt DeSart

The Healthy Homes Movement Post-COVID-19: Did Anything Change?

Peter Troast



Adapting Your Business to Decarbonization

Courtney Moriarta, Jay Best, Jonny Norton, Hal Smith

Job Costing and How to Use Your Labor Effectively

Damian Hodkinson, Hal Smith



Diversity, Equity and Inclusion through Worker Ownership & Co-ops

Mark Tajima



Decoding the Doers: Learning from the people who've moved towards electrification and deep energy retrofits

Suzanne Shelton



How to Sell Electrification to Homeowners

Matt Dennis, Brittany McDonald





The Smart Home



Integrated Home for A Decarbonized Future: Electrification, Efficiency, Flexibility, Amenity, and Security

Alice Rosenberg, TBD

Homeowner Engagement through Apps: meet your customers on their mobile device and accelerate your business

Bethany Profaizer, TBD

Quality HVAC Made Simple with Smart Diagnostic Tools

Christian Valoria, William D'Arrigo, Rob Minnick



How Do We Lead with Equity in the Smart Home?

Lieko Earle, TBD

Smart Thermostats: Opportunities & Challenges

Kyle Chase, Jacqueline Berger, Ben Adams

Smart Technology for Resilience & Grid Reliability

TBD

Building the Utility of the Future

TBD

EVs & Smart Homes

Beth Karlin, TBD





Workforce Development

BPI's Home Energy Professional and Core Certification Update

John Jones

Carrots and Sticks – Engaging and Motivating Employees

John Tooley

Company Culture - Attracting and Retaining Talented Employees

Alison Jackman, Diana McCarthy-Bercury, Joe Roy



Creating A Thriving Workforce With A Racial Equity Lens

Kahlida Lloyd, Darnell Johnson

New Online Training: A Showcase of the Latest Learning Content for Building Energy Professionals

Amy Saurer, TBD



Supporting the Building Performance Workforce

Caroline Hazard, Madeline Salzman



Training Initiatives for HVAC Technicians and the EE Workforce

Madeline Salzman, TBD

Workforce Development Partnerships & Strategies

Nancy Kaplan, Diana McCarthy-Bercury

Job Aides & Badging

TBD



Workforce Development Roundtable Discussions

Leticia Colon de Mejias, Lizzie Bunnen Pack



Ensuring a Living Wage

Caroline Hazard, TBD

Strategies to Manage Production in Times of Product Shortage

Charley Cormany, Rob Minnick, Manufacturer TBD





Home Performance Policy

Federal Policy Update

Kara Saul Rinaldi, Lizzie Bunnen Pack, TBD

The New Lobbying Paradigm: Zoom Meetings as Advocacy, Lobbying 101

Lizzie Bunnen Pack, Audrey Bragg, TBD

State Policy: 2022 Outlook

Sabine Rogers, TBD



Diversity & Inclusion: Incorporating Procedural Justice and Sustainable Inclusivity into Policymaking

TBD



The Decarbonization Playbook: State Strategies to Scale the Market

Courtney Moriarta, Steve Cowell, Becky Schaaf

