



March 28-30, 2012
Baltimore
Convention Center

2012
CORE
AGENDA



() Indicates session leader
As of 1/6/12. Subject to change.

WEDNESDAY – March 28, 2012

TRACK/LEADER	BREAKOUT 1 10:30 AM - Noon	BREAKOUT 2 1:30 - 3:00 PM	BREAKOUT 3 3:30 - 5:00 PM
Essentials	House as a System <i>Anthony Cox, Phil Hull</i>	A Building Analyst's Toolbox <i>Paul Raymer</i>	Get More from Your IR <i>Bret Monroe</i>
HVAC	Forced Air Systems Primer <i>Don Prather</i>	Get 25% More Savings from Your A/C <i>Joe Kuonen, David Slater</i>	Dehumidification Strategies: Results from ASHRAE Study on Dehumidification <i>Neil Moyer, Armin Rudd</i>
Diagnostics	Combustion 101 <i>Rick Karg</i>	Building Science Brainteasers: Unusual Problems & Solutions from Actual Home Performance Projects <i>David Abrey</i>	Electric Baseload Audit: From Kilowatts to Tabletops <i>Chris Hunt</i>
Air Sealing	The Challenging Details of Residential Air Sealing <i>Keith Williams</i>	Finding & Fixing Air Leakage in Multifamily & High-Rise Buildings <i>Terry Brennan, Gary Nelson</i>	Finding & Fixing Air Leakage in Small & Mixed Use Commercial Buildings <i>Larry Harmon</i>
Shell	Insulating Masonry & Stucco Walls <i>Chris Benedict</i>	Effective Techniques for Kneewalls, Dormers & Mansard Roofs <i>Keith Williams</i>	Dense Pack Insulation & Application Standards <i>Bob Pfeiffer</i>
Distribution Systems	Residential Heat Pump Air Handler Blower Motor Energy Use & How it Relates to Duct Sizing <i>Mark Jerome, Bruce Manclark</i>	Damage from Ducting Outside the Building Envelope <i>John Harris, Greg Labbe, TBD</i>	Duct Tricks <i>Bruce Manclark</i>
Home Performance with ENERGY STAR	Home Performance with ENERGY STAR - The Evolution Continues <i>(Ely Jacobsohn), Jason Bogovich, Caroline Hazard, Kollene Kawa</i>	Home Performance with ENERGY STAR Sponsor Roundtable <i>(Ely Jacobsohn), Jason Bogovich, Caroline Hazard, Kollene Kawa</i>	Successful Program Delivery Strategies <i>(Chandler von Schrader), Cynthia Adams, Larry Earegood, Gavin Hastings</i>
Measured Results: Data Not Dogma	Beyond 70%: Measured Results & Lessons Learned <i>Bill Turner, Linda Wigington</i>	Measured Results: DER Programs <i>TBD</i>	Deep Energy Retrofits: 10 California Case Study Homes <i>Jeremy Fisher, Brennan Less</i>
Going Deep: Tools, Techniques, & Approaches	Deep Killers: Loads that Doom Deep Reductions <i>Danny Parker</i>	HVAC Systems for Low Energy Homes (Panel) <i>(Linda Wigington), Skip Hayden, Bruce Manclark, George Nesbitt</i>	Integrated Deep Retrofits: Three Cold-Climate Case Studies <i>Marko Spiegel, Rachel Wagner</i>
Water: Not Just Hot	Solar Thermal: Heat & Hot Water <i>Michael LeBeau, Joerg Gaebler</i>	Home Water Use: Consumption, Costs & Savings <i>Jim Lutz, Benedict Schoenbauer, Stephanie Tanner</i>	Heat Pump Water Heaters: Performance & Applications <i>John Bush, Srikanth Puttagunta, Linda Wigington</i>
Business Tool Box	Starting a Home Performance Business <i>Dan Kartzman, TBD</i>	Home Performance Contracting: The Next Great Opportunity for HVACR & Insulation Contractors <i>Mike Callahan, Dick Kornbluth, TBD</i>	Scaling Your Home Performance Business <i>Brett Knox</i>
Valuing Energy Efficiency: Rating, Labeling, Retrofits, & Home Sales	EPS, HERS, HES... OMG! <i>(Chandler von Schrader), Steve Baden, Joan Glickman, Robin LeBaron, Sean Penrith</i>	Rating, Labeling, Retrofit & Home Sales: Spoof or Proof <i>(Chandler von Schrader), John Beldock, Bill Garber, Ben Gromicko, Margaret O'Sullivan</i>	Building Energy Labeling: Lessons from the Field <i>(Rebecca Foster), Emily Kemper, Emily Levin, Carolyn Sarno</i>
Training	Training Center Accreditation: Opportunities & Lessons Learned <i>Roger Ebbage, Dave Meadows, Josh Olsen, Jennifer Somers, Jane Weissman</i>	Green Jobs Workforce Development that is Working <i>Katherine Daniel, Amanda Evans, Miles Grosbard, Nichole Owens, Walt Yakobosky</i>	Technology Enhancements that Energize Your Trainings <i>Doug Donovan, David Hepinstall, Frank Spevak</i>
Engaging the Customer	It Ain't about Awareness: Motivating Americans to Make More Energy Efficient Choices <i>Suzanne Shelton</i>	Driving Demand: Community Approaches to Marketing Energy Efficiency <i>Eli Allen, Liz Robinson</i>	Reaching Customers through Trusted Messengers <i>(Katherine Daniel), Kirsten Isaacson, Darlene Lombos, John Mello</i>
Utility, State & Local Programs	How Teamwork Makes a Winning Program <i>Deb Davis, Steven Dyba</i>	Bringing Home Performance Programs to Maturity: The Experience in Massachusetts & Maryland <i>Monica Tawfik, Lauren Swiston Urbaneck</i>	Efficient New Construction Programs in Changing Times <i>Ben Adams, Kathy Greely</i>
Program Design	Redefining Affordable Housing Energy Metrics & Goals <i>Neil Curtis</i>	Residential Energy Consumption Variability Among Similar Housing Stocks – A Cross Sectional Study <i>Phillip Kelsven</i>	Sustainable Energy Resources for Consumers (DOE Weatherization Programing) <i>Tim Lenahan</i>
Multifamily Programs	Multifamily Audits & Retrofits: Programmatic, Technical & Financial Strategies <i>Patrick Bunn, Scott Campbell, Douglas McCleery, Craig Peltier</i>	The DOE WAP Multifamily Suite of Resources <i>Norm Bourassa, David Hepinstall, Mike MacDonald, Jennifer Somers</i>	Deep Energy Multifamily Retrofits: Two Case Studies <i>John Adelsberger, Heather Clark, Jamie Lyons</i>
Mobile Lab	Intro to Thermal Imaging <i>Larry Armanda, A. Tamasin Sterner</i>	Combustion Testing (including CAZ Depressurization) <i>Steven Dyba, A. Tamasin Sterner</i>	Air Leakage Testing (including Zone Testing) <i>Steven Dyba, A. Tamasin Sterner</i>

THURSDAY – March 29, 2012

TRACK/LEADER	BREAKOUT 4 8:30 - 10:00 AM	BREAKOUT 5 10:30 AM - Noon	BREAKOUT 6 1:30 - 3:00 PM	BREAKOUT 7 3:30 - 5:00 PM
Essentials	Zonal Pressure Diagnostics <i>Anthony Cox, Phil Hull</i>	Mobile Home Fundamentals <i>Bob Pfeiffer, Calvin Steiner</i>	Anticipating Depressurization Issues Due to Air Tightness & Ventilation Needs <i>Rebecca Olson, Robert Parkhurst</i>	Thermal Comfort: Beyond the Thermostat <i>Thomas Brodbeck</i>
HVAC	Variable Refrigerant Flow Systems <i>Gary Schroeder</i>	Mini-split HP/AC for Retrofit Applications <i>Michael Lubliner, Danny Parker</i>	Ditching the Ducts: Moving to the Furnace-Free Home <i>Bruce Manclark</i>	Condensing Boilers: How to Maximize Efficiency & Occupant Comfort <i>Lois Arena, Thomas Butcher</i>
Diagnostics	All About Measuring Air Flow <i>Bill Spohn, Chris Stratton</i>	House of Horrors <i>Joe Kuonen</i>	Energy Modeling vs. Reality <i>Marcus Bianchi, Michael Blasnik, George Nesbitt</i>	Successful Warm-Weather Infrared Inspections <i>Matt Schwoegler</i>
Multifamily Technical	Multifamily Building Energy Auditing <i>Andrew Padian, Asit Patel</i>	Multifamily Energy Performance: Benchmarking, Predicting & Tracking <i>Michael Blasnik, Jerone Gagliano, Yanice Hernandez, Marc Zuluaga</i>	Central DHW Distribution Systems <i>Gary Klein, Nehemiah Stone</i>	Mitigating IAQ Issues in Multifamily Retrofits <i>Federico Noris, TBD</i>
Shell	Site Applied Foam Insulation & Safety <i>Patrick Dundon</i>	Fixing Row Houses <i>Steve Arnold, Hap Haven</i>	Basement Insulation: What to Do & What Not to Do <i>Kohita Ueno</i>	Lessons Learned in the Trenches – Crawlspace <i>Krista Egger, Jason Todd</i>
Ventilation	Efficiency Matters: HRV/ERV Measured Performance <i>Michael LeBeau, Brennan Less</i>	What to Do with Big Exhaust Systems? <i>Sean Maxwell, Jonathan Woolley</i>	Applications for ASHRAE 62.2 Compliance in Weatherization <i>Rick Karg, Iain Walker</i>	Working Through ASHRAE 62.2 <i>Rick Karg, Paul Raymer, Iain Walker</i>
IAQ	IAQ Basics <i>Rick Karg</i>	The Effect of Weatherization on Radon Levels <i>Terry Brennan, Scott Pigg</i>	Low Energy Homes & IAQ <i>Terry Brennan, TBD</i>	Sick Houses, Sick People: Recognition & Response <i>Rana Belshe, A. Tamasin Sterner</i>
Measured Results: Data Not Dogma	Energy Upgrades: Atlanta Results <i>Roderick Jackson, Eyu-Jin Kim, Sydney Roberts</i>	Combined High Efficiency Space & Water Heating <i>Lance Dyer, Jacob McAlpine, Benedict Schoenbauer</i>	Energy Upgrades: Hot-Humid & Cold Climates <i>Dennis Stroer, Sarah Widder</i>	Net Zero & "Passive House" Monitored Performance <i>David Hales, Srikanth Puttagunta</i>
Going Deep: Tools, Techniques, & Approaches	Fixing the Lid <i>John Straube</i>	Stepping Stones to Deep Reductions <i>Al Heath, Linda Wigington</i>	Re-skinning I: Fluff, Foam & Furring Strips <i>Bruce Coldham, Paul Eldrenkamp</i>	Re-skinning II: Innovations & Assemblies <i>Al Cobb, Marko Spiegel</i>
Shifting Paradigms	All Roads Lead to Zero <i>Bruce Sullivan</i>	Atmospheric & Earth Science Primer <i>Mac Pearce</i>	A Powerful Arsenal: Green Building Science & Resilience <i>Stephen Alguier</i>	From Policy Fragments to Policy Framework (Panel) <i>Jennifer Amann, TBD</i>
Business Tool Box	Consultative Home Performance Sell-utions <i>Rajiv Powers, Amanda Godward, TBD</i>	Business Software Solutions <i>(Peter Troast), Richard Burbank, Skye Dunning, TBD</i>	Driving Profitability in Home Performance <i>Rich Carrione, Blaine Fox</i>	Energy Audit & Retrofit Contract Legalities & Pitfalls <i>Mark Dye, Stephen Stern</i>
Marketing	The Best of Home Performance Marketing: Contractor Roundtable <i>(Ed Thomas), (Peter Troast), Jeremy Begley, Richard Burbank, Scott Donelson, Jason Payne, Chad Ruhoff, Troy Tanner, Dan Thomsen</i>	Inside the Mind of the Home Performance Consumer <i>Aaron Goldfeder, Garry Upton</i>	Internet Marketing 101 for Home Performance Pros <i>Wally Conway, Peter Troast</i>	Internet Marketing 201: Advanced Techniques in Web & Social Media <i>Allison Bailes, Peter Troast</i>
Standards & Credentials	Work Done Right: Workforce Specifications for Home Energy Upgrades, Multifamily & Manufactured Housing <i>Benjamin Goldstein, David Hepinstall, John Tooley, TBD</i>	The Workforce Support Network: Standards, Testing & Training <i>Jonathan Boggiano, Bruce DeMaine, Vikki Murphy, A. Tamasin Sterner</i>	Improving Whole-House Modeling: The BPI-2400 Standard & RESNET Publication 2006-001 <i>Steve Baden, Jerone Gagliano, Bruce Harley, Robin LeBaron</i>	Selecting the Right Certification for You, Your Business, Your Program <i>Larry Zarker, Kyle Hadlock, Patrick O'Shea, Joanne Panchana</i>
Engaging the Customer	The B&B of Occupant Involvement <i>Rana Belshe, Lydia Gill-Polley</i>	Education on Your Feet: Integrating In-home Energy Education <i>Kelvin Keraga, Debbie Stevens</i>	Evolution of the Customer: Solutions for Motivating Customers into Action <i>Terry Miller</i>	Community-Based Energy Efficiency: Eight Community-Wide Pilot Projects <i>Shawn Collins, William Ranes</i>
Utility, State & Local Programs	Is it Time to Fix the TRC? (Hint: It's Broke) <i>(John Jones), Mark Dye, Robert Knight, Robin LeBaron</i>	Smart Grid: Policies that Could Change Your Business <i>Dan Delurey, Kara Saul-Rinaldi, Greg Thomas</i>	The Smart Home IS the Smart Grid <i>Kara Saul-Rinaldi, Charles Segerstrom, TBD</i>	BGE Limited Income Pilot Programs – Evaluation <i>Jacqueline Berger, David Conn</i>
Program Design	Collaborative Contractor Recruiting & Screening Tactics <i>Tiger Adolf, Jane Kruse, Jamie Peters</i>	Weaving Quality Assurance throughout Your Program <i>James Phelps, John Tooley</i>	Modeling Energy Efficiency Potential at the Local Level: Experience from Program Analysis of the Cincinnati Region <i>Andy Holzhauser, Amanda Lowenberger, Eric Mackres, Jacob Talbot</i>	WIPP: New & Innovative Approach to Weatherization <i>Sean Bleything, Shawn Enterline, Nate Lewis, Staci O'Leary</i>
Healthy Homes	Comprehensive Indoor Environmental Quality Assessments <i>(Kevin Kennedy), Peter Ashley, Carl Grimes, TBD</i>	EPA Tools to Assess & Improve Indoor Environmental Quality <i>Mert Oktem, David Rowson, Ellen Tohn</i>	Weatherization Plus Health: A Natural Partnership <i>Jenae Bjelland, Robert Scott</i>	One Touch Programs: Integrating Energy Upgrades & Healthy Housing <i>Ryan Clouthier, Dana Nute, Ellen Tohn</i>
Mobile Lab	Exhaust Fan Flow Measurement <i>Larry Armanda, Charles Kern</i>	Intro to Combustion Heating Systems: Identifying Components (Oil & Gas) <i>Larry Armanda, Charles Kern</i>	BPI Field Exam Practice <i>Larry Armanda, A. Tamasin Sterner</i>	BPI Field Exam Practice <i>Larry Armanda, TBD</i>

FRIDAY – March 30, 2012

BREAKOUT 8 8:30 - 10:00 AM	BREAKOUT 9 10:30 AM - Noon
Heat Loss / Heat Gain <i>Rick Karg</i>	A Historic Perspective on Residential Construction Practices <i>Terry Collins</i>
Variable Speed Blowers & the Ducted Systems They Serve <i>Christopher Mohalley</i>	Right-Sizing: Where to Draw the Line <i>Skye Dunning, Luis Escobar</i>
Pressure Balancing <i>Thomas Brodbeck</i>	A New "Chicago Manual of Style" – Matching Architecture & Energy Use <i>Larry Brand, Peter Ludwig, Jessica Spanier</i>
Heating System Distribution Analysis & Optimization in Multifamily Buildings <i>Asit Patel, Joseph Sadow</i>	Multifamily Heating System Controls <i>Nick Durr, Dominique Lempereur</i>
Case Studies of Spray Foam Applications <i>Jason Smith</i>	Cool Roof Technology <i>Thomas Brodbeck</i>
What's New in ASHRAE 62 – Multifamily Applications <i>Terry Brennan, Courtney Moriarta</i>	Ventilation Systems – the Good, the Bad & the Ugly <i>Robb Aldrich, Brian Coble</i>
Mac on Mold <i>Mac Pearce</i>	Indoor Air Quality: Gas Oven Performance & IAQ Impact <i>Brett Singer, TBD</i>
Deep Energy Reductions & IEQ Impacts <i>Matt Berges, Mandy Metcalf</i>	Innovation Everywhere: Spray Foam, Multi-speed Heat Pumps & High Performance Crawl Spaces <i>Jeff Christian</i>
Window Attachments & Replacements: From Losers to Gainers <i>Peter Yost</i>	200 CFM 50: You Must be Kidding! <i>Paul Eldrenkamp, Kent Hicks</i>
Passive House: Yes? No? <i>(Sean Penrith), Ann Edminster, Michael Hindle, Marko Spiegel</i>	Real Deep: From Disposable to Sustainable <i>Ann Edminster, Conrad Metcalfe</i>
Winning with Continuous Improvement <i>Ryan Clemmer, Rob McGarty, David Slater</i>	Worst Practices: How to Go Out of Business <i>Damian Hodgkinson, Eric Lindberg, Dan Thomsen, Peter Van Buren</i>
Efficiency in Lead Generation: Building Your Home Performance Marketing Plan <i>Blaine Fox</i>	Financing Home Performance Improvements with an Energy Efficient Mortgage - National Leaders Making It Work <i>(Tiger Adolf), Allison Bailes, Kevin Lunn, Jason Payne</i>
The Value of Quality Management: Multiple Paths to Stand Out from the Crowd <i>Tiger Adolf, Steve Baden, John Jones</i>	Integrating Multiple Software Tools for Market Delivery of Efficiency Programs <i>Ethan MacCormick, Casey Murphy, Andrew Pollock</i>
The Power of Choice: Intentional Influencing <i>Rana Belshe, Lydia Gill-Polley</i>	Engaging Homeowners with Energy Feedback Devices <i>Danny Parker, Peter Troast</i>
It's a Gas – Successful Programs for Gas Utilities <i>Erich Evans, Alison ten Cate</i>	BGE PeakRewards Data Analysis Successes <i>Keisha Clarke-English, Wendy Foslen, Deb Henderson, Ruth Kiselewich</i>
New Home Comfort & Savings Guarantee Program <i>David Bell, Krista Egger</i>	Green Standard Alphabet Soup <i>Dana Bourland, Michelle Desiderio</i>
Green & Healthy Homes Initiative <i>Ruth Ann Norton, Ken Strong</i>	Volunteer-Based Programs are Part of the Home Energy Solution <i>(Don Ryan), Bonnie Bessor, Susan Carroll, Kevin Gobble, Matthew Lyons</i>
BPI Field Exam Practice <i>Larry Armanda, A. Tamasin Sterner</i>	BPI Field Exam Practice <i>Larry Armanda, A. Tamasin Sterner</i>