

Day One: Tuesday, July 20, 2010

TIME	TOPIC	SPEAKER	TOPIC	SPEAKER	TOPIC	SPEAKER
	Track A: Ballroom C/D		Track B: Ballroom B		Track C: Vail Room	
8:00-9:00	STAKEHOLDER NEEDS AND MARKET TRANSFORMATION REQUIREMENTS		INNOVATIVE ENERGY SYSTEMS INCLUDING TECHNOLOGY GAPS		TEST HOMES AND COMMUNITY SCALE PROJECTS: THE SUCCESSES AND CHALLENGES	
	Breakfast Plenary Session: Overview of DOE's building sector initiatives - Joe Hagerman, DOE					
9:10-10:30	Bridging the Gap with Contractor Education and Certification		Air Infiltration and Ventilation		How to Monitor Test Homes	
	Scalable training strategies for builders and contractors	Craig Savage, Building Media	Air sealing, ventilation and combustion appliances	Joe Lstiburek, BSC	ORNL TVA research homes	Jeff Christian, ORNL
	New ENERGY STAR spec training & certification	Sam Rashkin, EPA ENERGY STAR	Super insulation, tight envelope and exhaust ventilation for cold climates	Dianne Griffiths, Steven Winter Associates/CARB	IBACOS' research home monitoring plans	Brad Oberg, IBACOS
	BPI contractor certification	Jim Fitzgerald, CSG	Ventilation systems used by production builders in Florida	Subrato Chandra, PNNL	Advanced system field test protocols	Dane Christensen, NREL
10:40-12:00	Financing: Gaps and Barriers Associated with Energy Efficient Housing		High Performance Enclosures		Climate-Based Case Studies: Cold/Very Cold	
	Increasing underwriters' willingness to finance energy retrofit projects	Steven Winter, Steven Winter Associates/CARB	Advanced framing/ thermal bridging	Joe Lstiburek, BSC	South Jordan, Utah Case Study	Abe Cubano, BIRA/ConSol
	Professional Real Estate Appraisal: Perspectives on Residential Energy Efficiency	Matt George, Appraisal Institute	Exterior thermal and moisture control with structural engineered panels	Pat Huelman, University of Minnesota	Hartford, Conn. Retrofit Project	Bill Zoeller, Steven Winter Associates/CARB
	Energy efficiency mortgages	Stephen Ponce-Pore, Bank of Colorado	High R-value walls	Vladimir Kochkin, NAHB Research Center	Fould's House - Concord, Mass.	Betsy Pettit, BSC
12:10-1:00	Lunch Plenary Session: Emerging Technologies - Overview of ARRA-Funded R&D Projects - Bill Haslebacher, NETL					
1:10-2:30	Retrofit Safety Requirements		Hot Water		Climate-Based Case Studies: Mixed Climate Zones	
	Addressing Risks in Retrofits: The Policy Perspective	Julie Hughes, DOE	High performance hot water systems	Gary Klein, Affiliated Int'l Management LLC	Miranda Homes, Portland, Ore., Marine Climate	Amber Wood, NAHB Research Center
	Community scale retrofit programs - barriers to success	Lois Arena, Steven Winter	Advanced gas water heating and combination water/space heating	Neil Leslie, Gas Technology Institute	West Village Project, Davis, Calif. - Hot-Dry Climate	Marc Hoeschele, Davis Energy Group
	Overview of retrofit risk mitigation strategies	Bill Rose, University of Illinois, Champaign-Urbana	Heat pump water heater technology	Dr. Carl C. Hiller, P.E., Applied Energy Technology	PassivHaus, Sonoma, Calif. - Marine Climate	Mark Berman, Davis Energy Group
	Preexisting conditions: Identifying work needed before you start energy retrofits	Jim Fitzgerald, CSG				
2:40-4:00	Total Quality Assurance		HVAC Technologies		Climate-Based Case Studies: Hot-Humid	
	New builder and contractor quality tools	Amber Wood, NAHB Research Center	Residential air conditioning fault detection and diagnostics (FDD) and programs to support efficient operation	Todd Rossi, Field Diagnostic Services, Inc.	Project RE:Focus/European Solar Decathlon House	Jim Sullivan, University of Florida
	Implementing a total quality management culture	Duncan Prah, IBACOS	Humidity Control Strategies	Armin Rudd, BSC	Deep Energy Retrofits in Florida and Alabama	Janet McIlvaine, FSEC
	Integrating process improvements into production homebuilding	Stan Luhr, Pacific Property Consultants	Ground Source Heat Pump systems in ZEBRAAlliance test homes	Jeff Christian, ORNL	Project Home Again, New Orleans	Betsy Pettit, BSC
4:00 - 5:00	OPEN TIME: Break-out rooms ready for use for planning discussions with colleagues and stakeholders.					

Day Two: Wednesday, July 21, 2010

TIME	TOPIC	SPEAKER	TOPIC	SPEAKER	TOPIC	SPEAKER
	Track A: Ballroom C/D		Track B: Ballroom B		Track C: Vail Room	
8:00-9:00	STAKEHOLDER NEEDS AND MARKET TRANSFORMATION REQUIREMENTS		INNOVATIVE ENERGY SYSTEMS INCLUDING TECHNOLOGY GAPS		TEST HOMES AND COMMUNITY SCALE PROJECTS: THE SUCCESSES AND CHALLENGES	
	<i>Breakfast Plenary Session: BetterBuildings 2.0 (formerly known as Retrofit Ramp-Up) - David Lee, DOE</i>					
9:10 - 10:30	Neighborhood-Scale Retrofit Strategies		High Performance Enclosures		Climate-Based Case Studies: Hot-Dry/Mixed-Dry	
	<i>Identifying retrofit potential</i>	<i>Greg Thomas, PSD Consulting</i>	<i>Hygrothermal performance of envelopes</i>	<i>Achilles Karagiozis, Owens Corning</i>	<i>Wathen Castanos 50% Prototype Home Case Study</i>	<i>Duncan Prael, IBACOS</i>
	<i>Community scale retrofit and green building solutions</i>	<i>David Johnston, What's Working</i>	<i>High R-value walls</i>	<i>John Straube, BSC</i>	<i>ReVision House Retrofit Project, Las Vegas, Nev.</i>	<i>Bill Zoeller, Steven Winter Associates/CARB</i>
	<i>Linking utility bills and GIS: Opportunities for local governments and utilities</i>	<i>Tim Hillman, Symbiotic Engineering</i>	<i>Phase Change Materials</i>	<i>Jan Kosny, Fraunhofer CSE</i>	<i>Super Energy Efficient Design (SEED Home) Project, Tucson, Ariz.</i>	<i>Michael Ginsburg, La Mirada Homes</i>
	<i>Addressing barriers to retrofit efforts through legislative and stakeholder engagement</i>	<i>Kara Saul Rinaldi, National Home Performance Council</i>				
10:40 - 12:00	What Motivates Homeowners to Invest in Energy Efficiency		Automated Home Energy Management Systems		Climate-Based Case Studies: Mixed-Humid	
	<i>Small builder's perspective</i>	<i>Sean Smith, Sean Smith and Co.</i>	<i>Overview of automated home energy</i>	<i>Lieko Earle, NREL</i>	<i>Montgomery County, MD - Habitat for Humanity Project</i>	<i>Amber Wood, NAHB Research Center</i>
			<i>Utility trends & market for consumer-targeted smart-grid related products</i>	<i>Peter May-Ostendorp, Tendril</i>		
	<i>Laboratory perspective</i>	<i>Rick Diamond, LBNL</i>	<i>Automated home energy management- an integrated solution for achieving energy efficiency</i>	<i>Jonathan Shi, University of Nebraska</i>	<i>High Performance Development Challenge, Case Study</i>	<i>Jordan Dentz, The Levy Partnership, Inc.</i>
<i>Production builder's perspective</i>	<i>Walter Cuculic, Pulte Homes</i>	<i>Interoperability and user-interface challenges and research needs</i>	<i>Richard Brown, LBNL</i>	<i>Retrofit Case Studies</i>	<i>Mike Mazor, Dow Building Solutions / Tim Mrozowski, Michigan State University</i>	
12:10 - 1:00	<i>Lunch Plenary Session: New Directions for the ENERGY STAR for New Homes Program - Sam Rashkin, EPA ENERGY STAR</i>					
1:10 - 2:30	What Motivates Key Market Players to Invest in Energy Efficiency		Forced Air Systems		Statistical Variability in Occupants, Evaluation Strategies	
	<i>What's motivating consumers (and other stakeholders) in current real estate markets?</i>	<i>Paul Kriescher, Lightly Treading</i>	<i>Blower motor energy use</i>	<i>Iain Walker, LBNL</i>	<i>Dataset requirements, sampling requirements, and data automation and aggregation</i>	<i>Eric Martin, FSEC</i>
	<i>Energy retrofits and real estate markets: Busting through barriers, scaling retrofit numbers</i>	<i>John Beldock, Assn. of Energy and Environmental Real Estate Professionals</i>	<i>Duct systems for new and retrofit homes</i>	<i>Brian Holton, Ferris State University</i>	<i>Accelerating broad implementation - evaluating/maximizing energy savings in a near-zero energy community</i>	<i>Rob Hammon, BIRA/ConSol</i>
	<i>Market response to certifications and ratings in the MLS</i>	<i>Ben Kaufman, GreenWorks Realty & Trails</i>	<i>Duct design in low load homes</i>	<i>Brad Oberg, IBACOS</i>	<i>Quantifying household energy performance using annual community baselines</i>	<i>Pierce Jones, University of Florida</i>
		<i>Room air mixing in high performance homes</i>	<i>El Hassan Ridouane, NREL</i>			
2:40 - 4:00	Incentive and Partnership Programs		Onsite Renewable Energy Systems		Differences in Utility Bill Data vs. Simulations	
	<i>Deep energy retrofit incentive programs: National Grid Pilot Program</i>	<i>Ken Neuhauser, BSC</i>	<i>Solar water heating gaps and barriers: Why doesn't the U.S. have a robust solar hot water market?</i>	<i>Jane Davidson, University of Minnesota</i>	<i>Simulation Accuracy</i>	<i>Craig Christensen, NREL</i>
	<i>ReCharge Colorado - government partnerships</i>	<i>Mona Newton, ReCharge Colorado</i>	<i>Modeling and testing of full scale, building-integrated PV collectors</i>	<i>Mike Brandemuehl, University of Colorado</i>	<i>Impact of user behavior on energy consumption</i>	<i>Kurt Roth, Fraunhofer CSE</i>
	<i>Utility Rebate Programs, Case Studies</i>	<i>Emanuel Levy, Research Alliance</i>	<i>Break-even costs of PV in U.S. markets</i>	<i>Paul Denholm, NREL</i>	<i>Optimizing energy audits</i>	<i>David Neiger, Populus</i>
4:00 - 5:00	OPEN TIME: Break-out rooms ready for use for planning discussions with colleagues and stakeholders					

Day Three: Thursday, July 22, 2010

TIME	Track A: Ballroom C/D		Track B: Ballroom B		Track C: Vail Room	
	TOPIC	SPEAKER	TOPIC	SPEAKER	TOPIC	SPEAKER
8:00-9:00	STAKEHOLDER NEEDS AND MARKET TRANSFORMATION REQUIREMENTS		INNOVATIVE ENERGY SYSTEMS INCLUDING TECHNOLOGY GAPS		TEST HOMES AND COMMUNITY SCALE PROJECTS: THE SUCCESSES AND CHALLENGES	
	Breakfast Plenary Session: Multi-year residential research goals, David Lee, DOE					
9:10 - 10:30	Equipment Standards		Building Codes		Climate-Based Case Studies: Mixed Climate Zones	
	<i>New hot water heater test procedures</i>	<i>Jay Burch, NREL</i>	<i>Code gaps and barriers for energy efficient homes</i>	<i>Joe Lstiburek, BSC</i>	<i>Northern California Retrofit Projects</i>	<i>Iain Walker, LBNL</i>
	<i>Rating the dehumidification performance of cooling equipment</i>	<i>Armin Rudd, BSC</i>	<i>High Efficiency Equipment Installation and Retrofit Issues</i>	<i>Larry Brand, Gas Technology Institute</i>	<i>Cold Climate Retrofit Case Study, Chicago & Michigan. Can we deliver cost effective, safe, prescriptive measures?</i>	<i>Arn McIntyre, Ferris State University / Thom Phillips, Habitat for Humanity of Michigan</i>
	<i>Recent and future changes to appliance standards</i>	<i>Alex Lekov, LBNL</i>	<i>Evaluation of new products for compliance with the I-Codes</i>	<i>Peter Kulczyk, International Code Council</i>	<i>Pacific Northwest Projects/Marine Climate Zone Case Study</i>	<i>David Hales, BIRA/WSU</i>
<i>Tommy Williams Homes, Gainesville, Fla. - Hot Humid Climate Zone Case Study</i>					<i>Eric Martin, FSEC</i>	
10:40 - 12:30	TOUR OF NATIONAL RENEWABLE ENERGY LABORATORY					