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ZACH ABRAMS, Better Buildings Account Manager, ICF International

Zach Abrams is an Account Manager with ICF International, where he supports the commercial and public sectors for DOE's Better Buildings Challenge, and the retail sector for the Better Buildings Alliance. In this capacity, he provides support to organizations seeking to improve the energy performance of commercial and public buildings. He previously supported DOE's Energy Efficiency and Conservation Block Grant Technical Assistance Program. Zach has a B.A. from the University of Michigan and an M.A. from the University of Southern California.

CYNTHIA ADAMS, Chief Executive Officer, Pearl Certification

Cynthia Adams is Chief Executive Officer of Pearl Certification, a home energy efficiency certification services company, and past Executive Director of Local Energy Alliance Program (LEAP-VA), an energy services nonprofit which pioneered HPXML in its innovative residential energy efficiency program. Cynthia actively promotes energy efficiency statewide. She is Chair of the nonprofit Virginia Energy Efficiency Council and was appointed by Governor McAuliffe to the Virginia Energy Council and the Governor's Executive Committee on Energy Efficiency. She was also elected to the national board of Efficiency First.

MARTIN L. ADAMS, Senior Assistant General Manager – Water System, Los Angeles Department of Water and Power

Martin Adams is the Senior Assistant General Manager of the water system for the Los Angeles Department of Water and Power. He has thirty years of experience working in water systems and was directly involved with planning and implementing upgrades related to removing open distribution reservoirs and changing water treatment to meet new water quality regulations. Previously, Martin spent ten years as the Director of Water Operations in charge of the day-to-day operation and maintenance of the Los Angeles water delivery system. Martin received a B.S. in Civil Engineering from Loyola Marymount University in Los Angeles.

TAMMY AGARD, President, EEtility

Tammy Agard is the President of EEtility, a "B" Corporation based in Little Rock, AR. Tammy was the operations manager for the Clinton Climate Initiative's (CCI) Home Energy Affordability Loan program. She and her colleague Johnnie LaCaze formed EEtility in late 2014 to continue to implement and scale an Electric Co-op focused energy efficiency on-bill finance or repayment program that the pair created with Ouachita Electric Co-op. The program has thus far resulted in significant and quantifiable energy savings.

ELENA ALSCHULER, Building Technologies Office, DOE

Elena Alschuler is responsible for developing tools and standards that make it easier to manage, analyze, and share empirical information about building energy performance, such as the Building Performance Database, the Standard Energy Efficiency Data (SEED) Platform, and the Building Energy Data Exchange Specification. She also leads DOE's efforts to strengthen the evidence linking building energy performance with financial performance. Previously, Elena worked at a consulting firm as the project manager for the New York State Energy Research and Development Authority's (NYSERDA's) Focus on Commercial Real Estate program. She holds a Master's degree in City Planning from the Massachusetts Institute of Technology.

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ANDREW ASHBAUGH, System and Network Program Leader, Lawrence Livermore National Laboratory

Andrew Ashbaugh serves as the System and Network Program Leader within Lawrence Livermore National Laboratory (LLNL)'s Chief Information Office Program and as a Division Leader in the Operation and Business Directorate. Andrew is responsible for the leadership, management, and financial oversight of all enterprise infrastructure activities, including unclassified networks, telecommunication and associated services, enterprise business applications, and data center operations. He brings over thirty years of experience to the LLNL team. Prior to this position, Andrew held key Infrastructure and Operation Management roles at the Nevada Test Site, Yucca Mountain Site, and Los Alamo National Laboratory. He was a key member of the team that received the 2014 Department of Energy Sustainability Award for data center consolidation and energy conservation.

TOBY AST, Director of Energy Management, Preservation of Affordable Housing, Inc.

Toby Ast is the Director of Energy Management at Preservation of Affordable Housing (POAH), a non-profit housing owner and developer based in Boston, MA. He is responsible for guiding POAH's efforts with respect to energy conservation, generation, and policy, particularly as it relates to POAH's existing portfolio of over eight thousand five hundred units of affordable rental housing. He develops the strategic direction, financing, and implementation of energy-related investments as part of POAH's commitment to implementing portfolio-wide energy efficiency upgrades, conservation strategies, and the installation of renewable energy sources. Immediately prior to joining POAH, Toby worked as a program manager at the Consortium for Energy Efficiency in Boston, MA

GREG BAKER, Engineering Manager, Vermont Energy Investment Corporation

Greg Baker is the Engineering Manager for Vermont Energy Investment Corporation (VEIC), and has more than twelve years of experience in the energy efficiency field, working almost exclusively with large commercial and industrial customers. He has held positions as an engineer,

senior energy consultant, key account manager, and engineering manager at VEIC. Greg is a Certified Energy Manager and Certified Energy Auditor and holds a degree in Mechanical Engineering and Applied Mechanics from the University of Pennsylvania.

MATT BALDASSANO, Technical Director, CommScope (Redwood Systems)

Matt Baldassano is a Technical Director with CommScope's Enterprise Solutions, specializing in data center and intelligent building infrastructure design. He has served as a Business Development Manager and Technical Marketing Engineer with CommScope's Data Center Business Unit, and has helped develop and patent next-generation physical layer structured cabling systems. Matt has authored white papers about network intelligence, architectures, and Total Cost of Ownership models as well as a thesis in 802.11 WiFi Network Security. Matt holds a B.S. in Computer Science from St John's University and an M.S. in Technology from the University of Advancing Technology.

AARON BASTIAN, Communications and Project Manager - Mayor's Office of Sustainability, City of Atlanta, GA

Aaron Bastian is the Communications and Project Manager for the Mayor's Office of Sustainability in the City of Atlanta, GA. Aaron works as a part of the mayor's press staff to ensure consistent and effective messaging around sustainability and was part of the team that implemented the city's first Sustainability Plan launched in October 2010. Aaron serves as the city's project manager for the Atlanta Better Buildings Challenge. Prior to his role at the City, Aaron worked for the Clean Air Campaign, which advocates for Georgians to take action to improve air quality and reduce traffic congestion. Aaron earned a B.A. from Louisiana State University A&M College and an MBA from Clark Atlanta University School of Business.

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CARA BASTONI, Better Buildings Account Manager, ICF International

Cara Bastoni is the Account Manager for the DOE Better Buildings Alliance and Better Buildings Challenge Food Service and Grocery sectors. She has supported commercial building energy efficiency programs through work with the DOE Better Buildings Energy Data Accelerator and the State and Local Energy Efficiency Action Network. She also supports the EPA's ENERGY STAR program for Commercial and Industrial Buildings. Cara has a B.S. in Environmental Science from Lehigh University and an M.S. from the School of Natural Resources and Environment at the University of Michigan.

BOB BECHTOLD, President, Harbec Plastics, Inc.

Bob Bechtold is the President and Founder of Harbec Plastics, Inc., an injection molding company which provides a full service of model making, precision mold making, and complex precision plastic injection molding. His company has developed an energy management strategy that includes a cogeneration project which currently provides a portion of their electricity, heat, and air-conditioning requirements, in conjunction with two on-site wind turbines. Harbec attained carbon neutrality in 2013 and has committed to be water neutral by 2015. Currently, Harbec is focused on quantifying its Carbon Footprint with the help of the EPA's Climate Leaders Program, DOE's Better Buildings, Better Plants Challenge, and ISO 50001/SEP Platinum certification.

PETER BELL, President and CEO, National Housing & Rehabilitation Association

Peter Bell is a Washington, D.C. based policy analyst and trade association executive and President and CEO of the National Housing & Rehabilitation Association an organization of real estate developers, lenders, equity investors, attorneys, accountants, and public officials who are involved in the development, financing, and operation of affordable housing under various federal, state, and local housing programs. He is focused on urban development, affordable housing, and aging issues. Peter serves as CEO for a national trade associations, is a publisher of a magazine covering affordable housing, historic rehabilitation and new markets tax credits, and is Executive Editor of mortgage industry websites.

ELENA BERGER, Science and Technology Fellow, DOE

Elena Berger is a Science and Technology Fellow in the DOE Office of Energy Efficiency and Renewable Energy (EERE) leading the data centers portfolio under DOE's Better Buildings Challenge. Elena is a chemical engineer with more than fifteen years of experience in the private sector, having worked in Brazil and in France. During the last four years, Elena has worked at the EERE International Program managing the India portfolio and developing partnerships with Indian stakeholders in the areas of renewables and energy efficiency. She holds a Master's degree in International Relations and a Doctoral degree in Public Policy from the Georgia Institute of Technology, with a focus in energy and environmental policy.

PETER J. BERGER, Guaranteed Energy Savings Program Manager, Minnesota Department of Commerce

Peter Berger is Program Manager for the Guaranteed Energy Savings Program at the Minnesota Department of Commerce. He is responsible for supporting state agencies, local units of government, school districts, and institutions of higher education in the development, implementation and on-going measurement and verification of Energy Savings Performance Contracts. His office works closely with the Energy Services Coalition to establish best practices for Energy Saving Performance Contracting implemented through the State's programs. He has a B.A. in Finance and an MBA in Marketing from the University of St. Thomas.

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PAUL R. BERTRAM, JR., Director of Environment and Sustainability, Kingspan Insulated Metal Panels, North America

Paul R. Bertram, Jr. is the Director of Environment and Sustainability with Kingspan Insulated Metal Panels, North America. He is a Fellow of the Construction Specifications Institute and was a past Institute president, focusing on building product environmental impacts, envelope - first energy efficiency strategies with Pathways to Net - Zero Energy strategies, material transparency, and sustainability reporting. Paul coordinated Kingspan's ISO compliant Environmental Product Declaration (EPD) for Insulated Metal Panels, the first of its kind, and is part of the North American team that is charged with meeting Kingspan's Global Net Zero Energy mandate for all facilities by 2020. Prior to Kingspan, he was the Director of Environment and Sustainability for the North American Insulation Manufacturers Association and President of his Orlando based architectural graphic design firm for thirty years.

IRA BIRNBAUM, Special Advisor - State and Local Energy Efficiency and Clean Energy, DOE

Ira Birnbaum is the Special Advisor for State and Local Energy Efficiency and Clean Energy and has led the Policy and Technical Assistance Team at the DOE Weatherization and Intergovernmental Programs Office since October 2013. Previously, he was the Energy Efficiency and Global Climate Change Coordinator at the U.S. Agency for International Development's Europe and Eurasia Bureau. Earlier, he consulted on energy efficiency and demand-side management for two consulting firms and helped launch energy efficiency programs at Austin Energy and the Tennessee Valley Authority. Ira has a Master's degree in Public Policy from the University of Texas, and a B.A. from the State University of New York at Albany.

DAVID BIRR, President, Synchronous Energy Solutions, Inc.

David Birr is the President of Synchronous Energy Solutions, Inc. and has more than thirty years of experience designing, managing, and monitoring energy efficiency projects in buildings. He has worked on energy efficiency projects for the Lawrence Berkeley and Oak Ridge National Labs and the National Renewable Energy Lab. He currently serves as the primary technical consultant

for energy performance contracting programs in Illinois and Hawaii. For nine years, he represented the City of Chicago in electric and gas utility energy efficiency legal proceedings as their primary technical expert witness on energy efficiency technologies in the commercial, institutional, and industrial sector. He has a degree in Industrial Engineering from Northwestern University.

KENNETH BLACK, Co-Chairman, E-Source

Kenneth Black is Co-chairman of E-Source and focused on executive customer relations, industry conference presentations, industry partnerships, and utility strategic thought leadership. Ken has worked in the electric and gas utility industry for more than thirty years and has extensive knowledge in the areas of demand side management (DSM), marketing, market research, customer care, business and economic development, account management, and energy services. He has worked on both sides of the utility customer meter, auditing facilities as well as designing programs and launching new products and services for utilities and energy service companies. Ken has a B.A. in Biology and an MBA in Marketing from Temple University.

MARA BLITZER, Senior Policy Advisor - Office of Multifamily Housing Programs, U. S. Department of Housing and Urban Development

Mara Blitzer is Senior Policy Advisor to the Deputy Assistant Secretary of the Office of Multifamily Housing Programs at the U. S. Department of Housing and Urban Development (HUD). Her work consists of advising the Secretary regarding energy, senior housing, and homelessness policies in addition to supporting the Director of the Program Administration Office in efforts to approach policy development in a strategic and transparent manner and to make multifamily programs and services responsive to stakeholder feedback. Prior to starting government service, Mara worked for fifteen years as a developer of affordable and supportive housing in the San Francisco Bay Area and New York City.

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PETER BRANDOM, Senior Project Manager, City of Hillsboro, OR

Peter Brandom is a Senior Project Manager and led the development of the City of Hillsboro's first comprehensive Sustainability Plan. Initiatives of the plan include establishing city-wide sustainability governance, the City's first inventory of greenhouse gas emissions, long term sustainability goals, and various engagements and incentives for city residents and businesses. This work also involves the City's participation in programs such as the DOE Better Buildings Challenge. Peter also leads Hillsboro's Mayoral Sustainability Task Force, a component of the Hillsboro 2035 Vision and Action Plan. He completed a B.A. at the University of Denver in 1995 and an M.S. with Distinction in Environmental Sustainability at the University of Edinburgh, Scotland in 2001.

WENDELL BRASE, Vice Chancellor for Administrative and Business Services, University of California, Irvine

Wendell Brase is the Vice Chancellor for Administrative and Business Services at UC Irvine (UCI), where he co-chairs University of California President Janet Napolitano's Global Climate Leadership Council and the sustainability program. Under his leadership, UCI was recognized by the EPA with a 2014 Climate Leadership Award for Organizational Leadership for reducing greenhouse gas emissions and addressing climate change. The campus received California's highest environmental award, the Governor's Environmental and Economic Leadership Award, in 2008 and 2013, and has been on Sierra magazine's Top Ten list of greenest campuses for the past five years, coming in at number one in 2014. Wendell holds two degrees (S.B., S.M., 1970) from the Sloan School of Management, Massachusetts Institute of Technology.

WALT BROCKWAY, Manager of Global Energy Efficiency, Alcoa, Inc.

Walt Brockway is the Manager of Global Energy Efficiency for Alcoa, Inc., located in Knoxville, TN, where he is responsible for coordinating efforts within all Alcoa businesses and regions to improve energy intensity. He has held various energy and power roles at Alcoa for the past thirty years, including Power Engineer, Power Supervisor, and Power and Engineering Manager at the Alcoa

Massena Operations. Prior to joining Alcoa, Walt was employed by General Electric's Nuclear Energy Business Operations and Niagara Mohawk Power Corporation. He has Bachelor's and Master's degrees in Electrical Engineering from Clarkson University.

JESSICA BURDETTE, Conservation Improvement Program (CIP) Supervisor, Minnesota Department of Commerce

Jessica Burdette is the Conservation Improvement Program (CIP) Supervisor of the Minnesota Department of Commerce, Division of Energy Resources, and oversees the regulation of more than one hundred eighty natural gas and electric utility demand-side management programs to ensure achievement of the statewide 1.5% energy savings goal. She is responsible for a two hundred million dollar annual gas and electric CIP budget, which includes overall program administration, utility technical assistance, conservation applied research and development, as well as evaluation, measurement and verification activities. Jessica earned a B.A. in Political Science and an MBA, both from Iowa State University.

HEIDI BURKART, Operations/Resource Conservation, Camas School District

Heidi Burkart is the Operations Coordinator for the Camas School District and is directly responsible for implementing and managing the district's resource conservation and environmental programs. Heidi is involved in a variety of projects and initiatives that focus on campus sustainability, including energy management and resource conservation efforts. Since 2009, Heidi has utilized Portfolio Manager, recognizing that facility managers employ this effective guideline to compare and categorize building energy usage against similar structures. This year, all ten Camas schools are ENERGY STAR Certified. She is currently working on a Master's degree in Sustainability and Communication from University of Marylhurst and received her Energy Management Certificate from Lane College.

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ANDREW BURR, Fellow, DOE

Andrew Burr is a Fellow with DOE, where he works on urban energy efficiency strategy and building technologies deployment. He was previously director of policy at the Institute for Market Transformation, where he advised cities on energy efficiency policy and political strategy, and launched the City Energy Project, a ten million dollar, joint initiative with the Natural Resources Defense Council and the mayors of ten American cities. Andrew previously served as an advisor to the Innovation Fund of the Urban Sustainability Directors Network. He has been quoted by national media including the New York Times, USA Today, and Governing Magazine, and has presented on U.S. energy policy in China and Europe. He graduated from Bucknell University.

KEVIN BUSH, Senior Analyst, U.S. Department of Housing and Urban Development

Kevin Bush is Senior Analyst and part of a small team at the U.S. Department of Housing and Urban Development (HUD) focused on implementing HUD's role in President Obama's Climate Action Plan. He leads efforts to expand the Better Buildings Challenge into the multifamily housing sector by working with more than one hundred external organizations and internal teams to deploy one and a half million dollars in technical assistance, pilot policy incentives, and provide training opportunities. He also leads planning efforts across HUD to prepare for the impacts of climate change through the development and execution of a Climate Change Adaptation Plan.

DANIELLE SASS BYRNETT, Supervisor - Better Buildings Residential Programs, DOE

Danielle Sass Byrnett is Supervisor of the DOE Better Buildings Residential programs, which support energy efficiency market transformation in existing homes. During the Recovery Act, Danielle oversaw the roughly five hundred million dollar Better Buildings Neighborhood Program, which worked with partners across the U.S. to successfully develop sustainable energy efficiency building upgrade programs for home and building owners. She is dedicated to ensuring that the lessons learned from that effort can be leveraged by current and future program administrators to bring energy and cost savings, jobs, and environmental benefits to communities across the country. Before

joining DOE, Danielle worked as a State Climate and Energy Policy Expert with the EPA and previously as an environmental consultant.

HOLLY JAMESEN CARR, Fellow-Building Technologies Office, DOE

Holly Jamesen Carr is a fellow in the Building Technologies Office of DOE, where she works with corporate and higher education partners in the DOE's Better Buildings Challenge and Alliance programs, showcasing their efforts to reduce energy use across their building portfolios by twenty percent over ten years. Previous to her work at DOE, Holly managed dozens of public, private and federal sustainability projects, assisting clients to implement environmentally preferable strategies for building design, construction, and occupancy. She has a Master of Science degree in Communication from the University of Washington, as well as degrees in French and Education from Miami University. She is a LEED accredited professional.

JAMES CATER, Utility Program Liaison-City of Boston, Eversource Energy

James Cater is Eversource Energy's Liaison for Energy Efficiency Programs in the City of Boston, MA. As part of the innovative Renew Boston partnership between the city and the electric utility, he coordinates and connects resources and energy efficiency programs from the utility with projects in publicly and privately owned buildings in the City of Boston. He also manages the utility relationships and data portal for the building energy benchmarking ordinances in the cities of Cambridge and Boston, MA.

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MUNEER CHOWDHURY, Energy and Environmental Efficiency Manager, Bridgestone Americas

Muneer Chowdhury is the Energy and Environmental Efficiency Manager of Bridgestone Americas, in Nashville, TN. His current role includes helping to administer energy and carbon dioxide reduction programs for operations across Bridgestone Americas. As a global company, Bridgestone has a CO₂ reduction goal of thirty five percent (indexed to sales) by 2020 using a 2005 baseline. Muneer's role includes facilitating energy audits, tracking performance, working with facilities to implement projects, managing Bridgestone Americas Energy and Environmental Strategic Fund, and developing strategies for reducing the energy and CO₂ footprint. He initiated and led a team to achieve the first LEED certified tire plant (Existing Building) in the world in Warren County, TN in 2008. Muneer graduated as a Mechanical Engineer from Oklahoma State University in 1986.

GINA CIGANIK, Vice President-Housing Development, Aeon

Gina Ciganik is Vice President and leads the real estate development activities for Aeon, a nonprofit owner, developer, and manager of high-quality affordable apartments and town homes serving more than three thousand people annually in the Twin Cities. She has broad experience in financing and developing mixed-use, mixed-income neighborhood revitalization projects and public improvement initiatives. She is currently leading the only known Minnesota project striving for Living Building Challenge™ adherence. Gina previously worked as a Redevelopment Specialist for the City of Brooklyn Park, MN and earned a B.S. in housing from the University of Minnesota.

JEFF CLARK, Conserve Program Director, National Restaurant Association

Jeff Clark is a Program Director managing the National Restaurant Association's (NRA's) Conserve program and environmental education efforts, and acting as an environmental liaison to the restaurant industry. Jeff also works with Atlanta-based environmental groups and the Georgia Restaurant Association to implement the Zero Waste Zones program, helping businesses minimize their waste footprint and save money. Before joining the NRA team, Jeff consulted for the ENERGY STAR

Commercial Food Service program. Jeff received his B.S. from the University of California, Santa Cruz and holds a Master of Public Policy from Duke University.

JODY CLARK, Vice President, Hannon Armstrong Sustainable Infrastructure Capital

Jody Clark is a Vice President at Hannon Armstrong Sustainable Infrastructure Capital, where she oversees the commercial finance business for the firm. Prior to joining Hannon Armstrong in 2012, she spent twenty years on the landlord side of commercial real estate where she held senior executive positions in leasing, operations, acquisitions, dispositions, and development for The Rouse Company and General Growth Properties. After that, she took on the tenant side of commercial real estate, spending six years as the Director of Global Real Estate with Legg Mason, reprogramming their entire global corporate real estate portfolio. Jody holds a B.A. in Sociology from Kalamazoo College, Kalamazoo, MI and an MBA from Loyola College, Baltimore, MD.

AINSLEY CLOSE, Senior Sustainable Energy Lead, Washington State Housing Finance Commission

Ainsley Close is the Senior Sustainable Energy Lead and manager of the Housing Finance Commission's Sustainable Energy Program, where she develops and implements innovative financing for renewable energy and energy efficiency projects. She advises for-profit and nonprofit clients that seek to use financing tools offered by the Commission and ensures that program requirements are met. Ainsley also helps to set city and state energy policies for the Commission, and is a technical advisor to the Evergreen Sustainable Development Standards, Washington State's Affordable Green Building requirement. She holds a B.A. from Middlebury College and a Master of Public Administration from the University of Washington Evans School of Public Affairs.

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DEBORAH CLOUTIER, Principal and Co-Founder,
JDM Associates

Deborah Cloutier is Principal and Co-Founder of JDM Associates and has been providing consulting services in commercial real estate, energy management, and sustainability for more than twenty years. She provides support to the DOE Better Buildings Alliance as the commercial real estate expert and provides advisory services to overcome barriers to greater adoption of energy efficiency in multi-tenanted assets. Deborah has also supported the EPA ENERGY STAR program since its inception and helps EPA translate the value of energy efficiency into financial metrics for the commercial real estate sector.

JONATHAN COHEN, Energy Project Specialist,
DOE

Jonathan Cohen is an Energy Project Specialist responsible for the Better Buildings Residential Network, a national network of energy efficiency programs and partners at DOE. He has served as an Account Manager for over one hundred seventy-five million dollars in grants to states, cities, and nonprofits for the development of building energy efficiency markets. Previously, he served as Director of the Responsible Purchasing Network, an institutional membership network of more than three hundred organizations that buy green products in volume. As Program Manager with the UK-based international organization AccountAbility, he managed the launch of the first standard to verify corporate sustainability and social responsibility reports and established the Partnership Accountability program.

JACK K. COLBY, Assistant Vice Chancellor for
Facilities Operations, North Carolina State
University

Jack K. Colby is the Assistant Vice Chancellor for Facilities Operations and has been at North Carolina State University (NC State) since 1999. He has also held positions at the University of North Carolina-Greensboro, Duke University, and Daniel International Company. At NC State, Jack created offices for both energy management and sustainability and co-authored the strategic plans for sustainability, energy, and climate control. He currently co-chairs the Campus Environmental Sustainability Team and is Sustainability Officer for the University. He is an APPA: Leadership in

Educational Facilities Fellow and served as APPA president from 2004 to 2006. Jack has degrees in Mechanical Engineering from Virginia Tech, an MBA from the Fuqua School at Duke University, and is a Professional Engineer in North Carolina.

PHILIP E. COLEMAN, Research Analyst / Program
Manager, Lawrence Berkeley National Laboratory
Phil Coleman is a Research Analyst and has worked at Lawrence Berkeley National Laboratory since 1996. He is a technical advisor to the Federal Energy Management Program's (FEMP) energy savings performance contracting (ESPC) program, focusing particularly on utility rates and measurement and verification of savings. Also in support of FEMP, Phil has spearheaded an initiative to educate federal facilities on efficiency and renewable project incentives, demand response, utilities procurement, and "rate-responsive building operation". He has advised governments in Mexico, India, Chile, and Jordan on developing public sector energy conservation programs. He received his Bachelor's degree from Earlham College and an M.S. in Energy Management and Policy from the University of Pennsylvania.

EDWARD CONNELLY, President, New Ecology
Edward Connelly is President of New Ecology, an innovative environmental organization that serves as a catalyst for community-based sustainable development projects. He is Founder and Treasurer of Wegowise, Inc., a data company whose web-based tool helps reduce energy use in portfolios of multifamily housing and now tracks usage in more than two hundred thousand units nationwide. Edward has provided project-based technical and financial expertise on green building and energy efficiency for many thousands of units of new and existing housing. His recent work includes multifamily affordable projects that have achieved LEED Platinum certification or are approaching zero net energy.

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DAN COOPER, Corporate Energy Specialist,
Toyota

Dan Cooper is a Corporate Energy Specialist has been employed by Toyota for twenty years, spending the last five years in Production Engineering Facilities Energy Management. He is a project lead for renewable energy and energy management projects at Toyota's North America plants. His projects include implementing solar arrays, retrofitting HVAC with variable frequency drives, and conducting In-Plant training assessments with DOE. He is a participating member in the Association of Energy Engineers and is a Certified Energy Manager. Dan has completed ISO50001 certification and is an active member of the ISO5001 Exam Technical Advisory Group.

JOHN CORCORAN, Energy Efficiency Manager,
Corcoran Management

John Corcoran is Energy Efficiency Manager for Corcoran Management. Founded in 1963, Corcoran Management (CMC) is a division of John M. Corcoran Company, an owner and developer of multifamily real estate. CMC provides property management services to a wide range of clients, from institutional investors and condominium associations to private entrepreneurs and public housing authorities. John received a B.A. from Columbia University and graduated from Georgetown University Law Center with a Juris Doctor. He also manages legal issues for the company.

SUSAN CORRY, Energy Manager, University of
Maryland

Susan Corry is the Energy Manager at the University of Maryland, College Park, and has more than twenty years of experience in the energy industry. She serves on the advisory boards of the Maryland Clean Energy Center and Maryland Strategic Energy Investment Fund, and also is a member of DOE's Better Building Alliance Higher Education Steering Committee. Susan has a B.S. in Mechanical Engineering from the University of Colorado, Boulder and is a Certified Energy Manager, Certified Demand Side Manager, and Certified Existing Building Commissioning Professional.

ABIGAIL CORSO, Director - New Market Initiatives,
Elevate Energy

Abigail is currently the Director of New Market Initiatives at Elevate Energy, located in Chicago, Illinois. She is responsible for expanding Elevate's affordable multifamily energy efficiency programs into new markets outside of the Chicago region. She brings a variety of skills to new market development, including business planning, energy efficiency program design, operations and systems customization, quality assurance planning and implementation, and communications and outreach. Abigail holds an MBA from New York University and has been a registered Professional Engineer since 1995.

GABRIEL COWLES, Program Manager, New York
Power Authority

Gabriel Cowles is a Program Manager with the New York Power Authority where he oversees the Build Smart NY Program, an energy efficiency initiative focused on New York State facilities. In his current role, Gabriel works with New York State Agencies to develop portfolio-wide energy management initiatives in support of the Build Smart NY energy efficiency goals. Gabriel has nearly ten years of experience in the energy efficiency and green building fields, working for governmental, non-profit, and private organizations. He is a graduate of Columbia University's School of International and Public Affairs where he studied energy and environmental policy.

TABITHA CRAWFORD, Senior Vice President,
Balfour Beatty Investments

Tabitha Crawford currently serves as Senior Vice President of Innovation for Balfour Beatty Investments, part of a London-based company responsible for infrastructure development, construction, investments, and management. She is a Certified Energy Manager, a Certified Demand Side Manager, and an international advisor on sustainability and innovation. She also contributed to the U.S. Presidential Climate Action Plan and the Energy Encyclopedia of Engineering & Technology textbooks. Tabitha received the "Green Innovator of the Year" award for the Southeast U.S. in 2012. She holds a B.S. in Business Administration with a Finance focus from University of Louisville, a Master's degree in Bank Management from the University of Virginia, and an MBA from Fairfield University.

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DARIEN L. CRIMMIN, Vice President of Energy and Sustainability, WinnCompanies

Darien Crimmin is Vice President of Energy and Sustainability for WinnCompanies and manages a range of energy efficiency projects and sustainability programs across Winn's residential portfolio. Under his leadership, Winn has partnered with numerous local, state and federal agencies to reduce energy costs and promote investments in sustainability. Recent greening efforts include installing more than a megawatt of solar photovoltaic capacity, HVAC and insulation upgrades, water conservation improvements, and training for Winn management and maintenance staff. Prior to joining WinnDevelopment, Darien managed Harvard University's Office for Sustainability Green Building Services. He holds a Master's degree from Tufts University and a B.S. from the University of Vermont.

JACKIE DADAKIS, Managing Director - GCE Services, Green Coast Enterprises

Jackie is the Managing Director of GCE Services, a division of Green Coast Enterprises that provides strategic consulting services to property owners, municipalities, and utilities seeking to be more energy efficient. Before joining Green Coast, she worked for Clean Energy Solutions, Inc. developing innovative financing strategies for energy efficiency and creating community-utility partnerships for the Southeast Energy Efficiency Alliance and the Greater Cincinnati Energy Alliance under the DOE Better Buildings Program. Jackie is the 2014-2015 board president for the Alliance for Affordable Energy, a Louisiana non-profit dedicated to clean affordable energy choice. Jackie holds a Master's degree in City Planning from the Massachusetts Institute of Technology and a B.A. in Economics from Claremont McKenna College.

ALICE DASEK, Policy Advisor, DOE

Alice Dasek is a Policy Advisor and has been at DOE for five years. She holds multiple roles as part of the Policy & Technical Assistance Team. In addition to serving as the State Lead for the Better Buildings Challenge, Alice serves as Policy Advisor for twenty-nine states developing Lead By Example initiatives and designing sustainable financing mechanisms for energy efficiency projects. She also leads DOE's Better Buildings Accelerator for Energy Savings Performance Contracting (ESPC),

assisting state and local governments to increase their ESPC investment by two billion dollars by 2017. Alice graduated from Bryn Mawr College and has Masters degrees in Business Administration from Georgetown University and Environmental and Energy Management from George Washington University.

CODY DAVID, Project Engineer, Southface Energy Institute

Cody David is a Commercial Sustainability Services Project Engineer at Southface Energy Institute. He supports the Atlanta Better Buildings Challenge through energy audits, data management and analysis, benchmarking guidance and training, and water pilot development. Cody has provided more than seventy commercial energy audits for a diverse array of building types and sizes. He also assists non-profit organizations with identifying and implementing resource efficiency projects through the Grants to Green initiative. Cody has a B.S. in Mechanical Engineering from Georgia Institute of Technology.

ANDRE DE FONTAINE, Project Manager – Advanced Manufacturing Office, DOE

Andre de Fontaine is a Project Manager in the DOE Advanced Manufacturing Office. He manages the Better Buildings, Better Plants initiative, which is a voluntary energy savings partnership for manufacturers. Prior to joining DOE, Andre was a Markets and Business Strategy Fellow at the Pew Center on Global Climate Change. Before that, he was a journalist in California, covering environmental policy in the state's capital. Andre holds an M.A. in Public Policy from Georgetown University and a B.A. in Political Science from University of California, San Diego.

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MICHAEL DERU, Engineering Manager - Commercial Buildings Research Group, National Renewable Energy Laboratory

Michael Deru is Engineering Manager in the Commercial Buildings Research Group at the National Renewable Energy Laboratory (NREL.) He manages the Systems Performance section within the Commercial Buildings Research Group and has been with NREL since 2000. Michael leads the Space Conditioning Project Team and the Advanced Rooftop Unit Campaign for the DOE and manages projects on the development and testing of novel HVAC systems, building performance simulations, performance metrics for sustainability, source energy and emissions factors, water, and the U.S. Life Cycle Inventory Database. Michael Deru holds a PhD in Mechanical Engineering from the Colorado State University.

CISCO DEVRIES, CEO, Renewable Funding

Cisco Devries is the CEO of Renewable Funding, a finance company specializing in energy efficiency and renewable energy projects for residential and commercial properties. The firm provides five hundred million dollars in capital through the CaliforniaFIRST Property Assessed Clean Energy (PACE) program and the Warehouse for Energy Efficiency (WHEEL) unsecured energy loan program. Previously, as Chief of Staff to the Mayor of Berkeley, he led the initial development of the first PACE program, which allows property owners to pay for solar installations and energy efficiency projects as a line item on their property tax bill. He also served as an appointee in the administration of President Bill Clinton, serving as an aide to the U.S. Secretary of Transportation and the U.S. Secretary of Energy.

AURELIO MARK DE YOANNA, Manager of Vendor and Alliance Strategy, National Grid

Aurelio Mark de Yoanna is National Grid's Manager of Vendor and Alliance Strategy in the Customer Strategy and Environmental Department based in Brooklyn, New York. Mark is responsible for managing the company's strategic customer partnerships and relationships in concert with National Grid's New York and Massachusetts Jurisdictional teams. In 1986, Mark joined National Grid's predecessor, the Brooklyn Union Gas Company, which later became KeySpan, as a Management Trainee in the Customer Relations

Department. He has spent most of his twenty-nine years with the company in its New York business. Mark is a graduate of Columbia College, Columbia University.

MARK DHENNIN, Director, Energy Efficiency and Environment, Cummins

Mark Dhennin is Director of Energy Efficiency and Environment at Cummins, Inc. He leads the energy efficiency and climate change initiatives for Cummins global facilities and operations. Mark has more than thirty years of experience at Cummins, leading energy, environmental, health and safety, and product engineering programs at site, business unit, and global levels. He received his B.S. in Biology and M.S. in Environmental Engineering from the University of Minnesota.

RALPH DINOLA, CEO, New Buildings Institute

Ralph DiNola is the CEO of the New Buildings Institute and has dedicated his professional life to bringing green building innovation to scale. He served as a technical advisor for the Living Building Challenge™ standard and has consulted on over one hundred thirty LEED projects, including ten LEED Platinum certifications. As principal investigator of a landmark study of historic buildings, he helped establish and validate the true value and benefits of building reuse, bridging the divide between sustainability and historic preservation. He is a LEED Fellow, founding Board Chair of the International Living Future Institute, and founder and former principal of Green Building Services, Inc.

JAKE DOWLING, Better Buildings Account Manager, JDM Associates

Jake Dowling joined JDM Associates in May 2013 as a Market Transformation Specialist focused on energy efficiency and sustainability in commercial real estate and serves as the Commercial Real Estate Account Manager for DOE's Better Buildings Alliance. He also serves as the Commercial Sector Specialist for the EPA ENERGY STAR program. Jake helps develop programs to engage owners, operators, tenants, and brokers to implement sustainability. Jake also provides ENERGY STAR Portfolio Manager benchmarking guidance and technical assistance to some of the industry's largest institutional owners of real estate.

(Alphabetical Order)

JOHN R. DUMLER, Technical Operations Manager, Digital Realty

John R. Dumler is Digital Realty's Technical Operations Manager for Energy. In this role, he is responsible for developing and implementing a company-wide operational energy management program. Prior to joining Digital Realty in 2014, John was Senior Mechanical Engineer at Internap Network Services, where he was responsible for defining all mechanical engineering design standards. John began his career in the data center industry as a Mechanical Engineer with HP Critical Facilities. He has performed numerous data center energy efficiency audits for both the federal and private sectors and has been lead mechanical engineer on multiple high profile data center mechanical system designs. John received a B.S. in Mechanical Engineering from Clarkson University.

DIANE DUVA, Office Director for the Office of Energy Demand, State of Connecticut Department of Energy and Environmental Protection

Diane Duva is the Office Director for the Office of Energy Demand in the Bureau of Energy and Technology Policy for the State of Connecticut Department of Energy and Environmental Protection (DEEP). Previously, she served as Assistant Director, Materials Management in DEEP. Before that, she was a Supervisor for Remediation in the State of Connecticut's Department of Environmental Protection (DEP). Diane is a graduate from the Yale University School of Forestry and Environmental Studies.

BILL EDMONDS, Director of Environmental Management and Sustainability, NW Natural
Bill Edmonds is Director of Environmental Management and Sustainability at NW Natural where he oversees all areas of environmental compliance and policy, engages with key stakeholders and assists a network of employees driving the company towards increasingly sustainable practices. His current work includes development of projects to reduce greenhouse gas emissions under Oregon's new law, S.B. 844. At NW Natural, Bill's department also coordinates energy efficiency programs with the Energy Trust and operates the company's low income weatherization programs. Bill currently serves on the board of Earth Advantage Institute and he is the former chair of The Climate Trust board. He has

a B.A. in Political Science from Williams College and a M.P.P. from the University of California at Berkeley.

KRISTA EGGER, Senior Program Director - Green Communities Initiative, Enterprise Community Partners

Krista Egger is a Senior Program Director of the Green Communities Initiative at Enterprise Community Partners and manages the development and implementation of a national green training and technical assistance program to support affordable housing development teams. This includes the Enterprise Green Communities Criteria, Certification, and suite of technical tools. Previously, she directed Advanced Energy's Affordable Housing business unit, which provides programmatic and building science expertise. Krista led the award - winning, guaranteed-performance SystemVision program and consulting services with Enterprise Green Communities, Habitat for Humanity International, NeighborWorks, and utility clients.

MIKE ELLINGER, Maintenance and Refrigeration Coordinator for Global Store Development, Whole Foods Market

Mike Ellinger is the Maintenance and Refrigeration Coordinator for Global Store Development at Whole Foods Market. He has been with Whole Foods for nine years and has eighteen years of experience in the refrigeration industry. Mike serves on the steering committee for the Better Buildings Alliance Retail, Food Service, and Grocery sector and is active in the Refrigeration and Food Service Technology Solutions Teams.

NEAL ELLIOTT, Associate Director for Research, American Council for an Energy-Efficient Economy
Neal Elliott is the Associate Director for Research at the American Council for an Energy-Efficient Economy (ACEEE), coordinating their overall research efforts. He has been with ACEEE since 1993, and is an expert and author on energy efficiency programs and policies, industrial energy policy, and combined heat and power. Neal is on the Strategic Advisory Group for the Institute for Industrial Productivity, and the boards of the Industrial Energy Technology Conference, Smart Manufacturing Leadership Coalition, and Southeast Energy Efficiency Alliance. He received a B.S. and M.S. in Mechanical Engineering from North Carolina State University and a PhD from Duke University.

(Alphabetical Order)

WILLIAM EVANS, Electrical Engineer, Princeton University

William Evans is an Electrical Engineer and has been a member of the Princeton University Engineering Facilities staff since 2008. Prior to this position, he worked as a site engineer at Novartis Pharmaceuticals for six years. Earlier in his career, he worked for Aker Kvaerner as a consulting engineer. In addition to his involvement with the various electrical distribution designs and projects for new building construction and renovation projects at Princeton University, he has provided direction in implementing numerous small and medium scale implementations of Solid State Lighting technology and controls on campus. He earned his B.S. in Electrical Engineering with a Biomedical Option from New Jersey Institute of Technology and his A.A.S. in Electronics Engineering Technology from Raritan Valley Community College.

EMILY MARTIN FADRHONC, Program Manager-Electricity Markets and Policy Group, Lawrence Berkeley National Laboratory

Emily Martin Fadrhonc is a Program Manager in the Electricity Markets and Policy Group at Lawrence Berkeley National Laboratory (LBNL). Her work focuses on effective financing and program design as a means to enable the deployment of energy efficiency. Prior to joining LBNL, Emily worked with CH2M HILL, Clean Energy Solutions, the American Hospital Association, and Harvard University on a range of renewable energy, sustainability program design, and energy efficiency issues. Emily has an MBA from the University of North Carolina, a Master of Environmental Management from Duke University, and a B.A. in Environmental Studies from Harvard University.

LARRY FALKIN, Director, Office of Environment and Sustainability, City of Cincinnati, OH

Larry Falkin has served since 2007 as Director of the City of Cincinnati's Office of Environment and Sustainability. In that position, he leads the development and implementation of sustainability programs, ensures the city's compliance with environmental regulations, and oversees recycling services for city residents. Larry has more than twenty-five years of experience as an environmental professional, including positions with the City of Kansas City, MO and EPA. Larry has

a B.A. from Binghamton University and a J.D. from Pace University.

DANA FISCHER, Residential Program Manager, Efficiency Maine

Dana Fischer is a Residential Program Manager for Efficiency Maine. He manages the Home Energy Savings Program, which provides financing and rebates for a variety of residential energy upgrades from weatherization to heating statewide. Dana's background is all over the map in philosophy, sociology, fermentation science, business school, municipal finance and tax collection, the semiconductor industry, micro-brewing, and solar.

DON FISHER, Principal, Fisher Consultants

Don Fisher is the President of Fisher Consultants and former President/CEO of Fisher-Nickel, Inc., cofounder of Pacific Gas & Electric's (PG&E) Food Service Technology Center (FSTC) located in San Ramon, California. He has more than thirty-five years of experience managing food service-related energy efficiency programs for utilities and governments. As FSTC Manager, Don directed the Center's testing, education, and customer outreach activities; provided technical expertise and oversight for test method development and application; and provided guidance to PG&E's Emerging Technologies program specific to commercial food service. Don has a B.S. and M.S. in Mechanical Engineering from the University of Manitoba, Canada.

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ARI FRANKEL, Head of ESG Strategy, Real Estate, Deutsche Asset & Wealth Management

Ari Frankel is the Head of Environmental Social Governance (ESG) Strategy, Real Estate, for Deutsche Asset & Wealth Management's Alternatives and Real Assets platform based in New York City. He works closely with senior managers to shape and coordinate comprehensive ESG and green building programming and related environmental and energy strategies. He is the North America Co-Chair of the United Nations Environment Programme Finance Initiative and is active in their Property Working Group. He is a member of the Urban Land Institute Sustainable Development Product Council, the Greenprint Performance Committee, the Global Real Estate Sustainability Benchmark Committee, and represents Deutsche Asset & Wealth Management at the UK Better Buildings Partnership. He holds a B.A. in Economics from UC San Diego and an MBA with a Certificate in Real Estate from the Haas School of Business at UC Berkeley.

RACHAEL FREDERICKS, Program Manager/ Program Development - Energy Efficiency Programs, Public Service Electric and Gas Energy Services

Rachael Frederics is a Program Manager for Public Service Electric and Gas (PSEG) and has more than sixteen years of experience in the energy industry, working in customer support, business development, lighting design, software solutions, energy auditing, construction management, program management, and program design and implementation. Currently, she manages PSEG's thirty-nine million dollar (and expanding) award-winning Multi Family Program and the development of new initiatives focused on innovative energy solutions for a variety of markets.

ERIC FRIEDMAN, Director of the Leading by Example Program, Massachusetts Department of Energy Resources

Eric Friedman is the Director of the Leading by Example (LBE) Program, a statewide "Greening the Government" program established in 2007 by Executive Order No. 484. The program works with dozens of large State agencies and public colleges and universities to develop and implement environmental programs. Eric has overseen the development of a new green building standard for all new State government construction projects,

created the State's first comprehensive greenhouse gas inventory for State facilities, and helped develop the first public sector Computer Power Management Standard in the nation. He received a B.A. in Political Science from Middlebury College and an M.A. in Environmental Policy from Tufts University.

ASHOK GADGIL, Area Deputy for Science and Technology - Energy Technologies Area, Lawrence Berkeley National Laboratory

Ashok Gadgil is Area Deputy for Science and Technology for the Energy Technologies Area at Lawrence Berkeley National Laboratory (LBNL) and is a Professor of Civil and Environmental Engineering at the University of California, Berkeley. He has substantial experience in technical, economic, and policy research on energy efficiency and its implementation, particularly in developing countries. At LBNL, Ashok is part of a group of researchers conducting experimental and modeling research to improve the indoor environment. He was inducted in the National Academy of Engineering in 2013 and in the National Inventors Hall of Fame in 2014 and serves on several international and national advisory committees dealing with energy efficiency, invention and innovation, and issues of development and the environment. Ashok has a Doctorate in Physics from the University of California, Berkeley.

SANDRA L. GLATT, Project Manager, DOE

Sandra L. Glatt is a Project Manager at DOE and is the Stakeholder Engagement Lead under the Better Plants Initiative for the Advanced Manufacturing Office. In this capacity, Sandra is responsible for the development and delivery of programs in the area of industrial energy efficiency focused primarily on developing partnerships with State, local and regional energy efficiency organizations, as well as engaging utilities in the delivery of effective industrial energy efficiency programs and resources. She is a staff lead for the State and Local Energy Efficiency Action Network's (SEE Action) Industrial Energy Efficiency and Combined Heat and Power Working Group, and is leading the new Better Buildings Initiative Industrial Strategic Energy Management Accelerator effort. Sandra holds a B.A. in Economics from Kenyon College and an MBA from Virginia Tech.

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MATT GLEASON, General Manager, CoreSite

Matt Gleason is the General Manager for CoreSite's New York Market and is responsible for the overall business performance and operation of CoreSite's NY1 and NY2 facilities. In his five years at CoreSite, Matt has also held the position of Vice President of Facilities and was responsible for all electrical, mechanical, and building systems associated with CoreSite's national data center portfolio. Prior to CoreSite, Matt served as the Senior Technical Manager at Switch and Data, overseeing the company's infrastructure maintenance and uptime programs. He was also a noncommissioned officer in the U.S. Navy and honor graduate of the Naval Nuclear Propulsion Program, operating and maintaining nuclear power plants on the USS Connecticut, a fast attack submarine.

STEVEN GOLDMAN, Marketing and Communications Coordinator-Corporate Partnerships, Environmental Defense Fund

Steven Goldman works as a Marketing and Communications Coordinator to amplify Environmental Defense Fund (EDF)'s collaborations with industry and to replicate sustainability best practices from those partnerships. Prior to joining EDF, Steve planned strategic communications and public relations campaigns for DOE's Wind & Water Power Technologies Office, supporting efforts to spur development of innovative renewable energy technologies. Steven also provided research support for federal advocacy and consumer campaigns at the Alliance to Save Energy in Washington, D.C. and Green Canary Sustainability Consulting in Austin, TX. He holds a Master of Public Affairs degree from the University of Texas-Austin and a Bachelor's degree from Emory University.

JESSICA GRANDERSON, Research Scientist and Deputy of Research Programs – Building Technology and Urban Systems Division, Lawrence Berkeley National Laboratory

Jessica Granderson is a Research Scientist and the Deputy of Research Programs for the Building Technology and Urban Systems Division at the Lawrence Berkeley National Laboratory. She is a member of the Commercial Buildings research group. Her research focuses on building energy performance monitoring and diagnostics, and intelligent lighting controls. Jessica holds a PhD in

Mechanical Engineering from the University of California, Berkeley, and an A.B. in Mechanical

Engineering from Harvard University

MATT GRAY, Director - Mayor's Office of Sustainability, City of Cleveland, OH

Matt Gray currently serves as Director in the Mayor's Office of Sustainability. Working on all things urban sustainability, Matt helps lead the Sustainable Cleveland 2019 initiative to create a thriving green city on a blue lake. This position follows completion of a U.S. Fulbright Fellowship in Mauritius, where he researched climate change impacts and adaptation governance. Prior to receiving this grant, he served four years with DOE's Federal Energy Management Program. At DOE, Matt chaired the Interagency Sustainability Working Group to help make green building standard practice across the Federal government.

JOHNEY GREEN, JR., Director - Energy and Transportation Science Division, Oak Ridge National Laboratory

Johney Green is the Director of the Energy and Transportation Science Division (ESTD) at Oak Ridge National Laboratory (ORNL) which develops and deploys technology that enables America to achieve energy independence, energy security, global economic leadership, and environmental sustainability. Encompassing multiple scientific research areas and facilities, ETSD research and development spans a wide variety of research missions broadly described in the areas of building technologies, sustainable industry and manufacturing. Prior to assuming his current position, he was the Group Leader of the Fuels, Engines, and Emissions Research Group. Johney earned his B.S in Mechanical Engineering from the University of Memphis and his Master's and Ph.D. degrees in Mechanical Engineering from the Georgia Institute of Technology.

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STEVE GREENBERG, Senior Energy Management Engineer, Lawrence Berkeley National Laboratory

Steve Greenberg is a Senior Energy Management Engineer at the Lawrence Berkeley National Laboratory. He has researched and applied energy efficient building and industrial systems for a variety of clients on three continents over the past thirty-five years. His data center engineering experience spans over seventeen years and includes centers ranging from server closets to supercomputer centers in excess of fifteen megawatts. He has been involved in design, design review, commissioning, and retrofit, and has taught workshops on data center energy efficiency for DOE, utility companies, and ASHRAE. Steve holds a Bachelor's degree in Mechanical Engineering and a Master's degree in Energy and Resources, both from the University of California at Berkeley.

JEFFREY GREENBERGER, Chief Operating Officer, Affordable Community Energy

Jeff Greenberger is a Chief Operating Officer and founding partner of Affordable Community Energy, Inc. (ACE), a mission - driven energy services company performing comprehensive energy efficiency, water conservation, and on - site electricity production retrofit improvements for affordable and workforce housing. He has spent most of his career in the private sector in commercial real estate services as a lawyer and a consultant. As COO, he has been primarily responsible for developing ACE's service delivery and business strategies. He has an M.S. in Journalism from Northwestern University and a J.D. from Columbia University School of Law.

EUGENIA GREGORIO, Director of Corporate Responsibility, The Tower Companies

Eugenia Gregorio is the Director of Corporate Responsibility for the Tower Companies, a privately-owned real estate and property management company. She manages environmental responsibility initiatives, stakeholder engagement, and community partnerships for a portfolio of nearly four million square feet, including commercial offices, a twenty-seven acre residential campus, and retail shopping centers. She works on efforts that include achieving LEED Certifications and ENERGY STAR Certifications and leads an energy management program that has realized fifteen percent savings since 2012. Eugenia was awarded the U.S. Green Building Council

National Capital Region 2011 Award of Excellence for Member of the Year and was recently appointed to the District of Columbia's Green Building Advisory Council. She graduated from the University of Colorado with a B.S. in Civil Engineering and received her MBA at The George Washington University.

JENNIFER GUNBY, Senior City Advisor - City Energy Project, Institute for Market Transformation

Jennifer Gunby is a Senior City Advisor for the Institute for Market Transformation (IMT), a Washington D.C. based nonprofit organization promoting energy efficiency, green building, and environmental protection in the United States and abroad. Her work is focused on the City Energy Project and she serves as the Community Energy Program Manager for the City of Kansas City, MO. Prior to joining IMT in 2014, Jennifer accrued a versatile background in sustainability, energy efficiency, and project management. She holds a B.S. in Civil Engineering and a B.S. in Business Administration from the University of Kansas, and is currently a part time student studying Viticulture Science.

PAT HAGAN, BAS Manager, Wawa

Pat Hagan has been with Wawa for thirteen years working as an Internal Tech supervisor and Building Automation System (BAS) implementer. Pat has been the BAS Manager since 2007 and is responsible for the growth and installation of the BAS platform. Currently he manages two BAS platforms in over five hundred stores for all fuel tanks and for all mechanical and power monitoring systems.

CHRISTOPHER HALPIN, President, Celtic Energy

Chris Halpin is President of Celtic Energy Inc, which he founded in 2000. In that time, he has acted as an owner's representative for dozens of energy projects. Since 1985, he has worked for several energy services companies and consulting firms in engineering, management, and sales, and is a former Global Energy Manager for NCR Corporation. Chris was one of DOE's four Project Facilitators for the Super ESPC Program, and has managed projects for the U.S. military, DOE headquarters, and other agencies. He also manages Energy Savings Performance Contract projects for numerous states, cities, hospitals, and school districts. He is on the Board of Directors of the Energy Services Coalition and the Renewable Energy and Efficiency Business Association.

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PAUL HAMILTON, Vice President - Government Affairs, Schneider Electric

Paul Hamilton is a Vice President at Schneider Electric's and has been engaged in the company's energy management business since its inception, supporting strategy and business development around the world. Today, Paul manages government affairs and participates in committees and boards driving energy efficiency. Previously, Paul managed various aspects of services and automation businesses. He started at GE and was involved in two successful industrial control system startups. Paul has a B.S.E.E. from the University of Pittsburgh.

STEVE HAMMOND, Director - Computational Science Center, National Renewable Energy Laboratory

Steve Hammond is the Director of the Computational Science Center at the National Renewable Energy Laboratory (NREL) in Golden, CO. Steve leads laboratory efforts in high performance computing and energy efficient data centers. Prior to joining NREL, Steve spent ten years at the National Center for Atmospheric Research developing massively parallel climate models. He also worked at the NASA Ames Research Center and at GE's Global R&D Center. Steve earned his PhD in Computer Science at Rensselaer Polytechnic Institute.

AMY HARGROVES, Director - Corporate Responsibility and Sustainability, Sprint

Amy Hargroves is the Director leading the Corporate Responsibility and Sustainability efforts for Sprint. Her role includes developing and executing environmental and social programming strategies, establishing organizational governance and infrastructure, and helping to embed a more socially conscious culture across Sprint's employee body. Amy also acts as Sprint's resident expert on emission reduction initiatives, sustainable product standards and certifications, while also helping drive a more environmentally responsible supply chain.

RYAN HAROLD, Program Manager, Massachusetts Division of Capital Asset and Maintenance

Ryan Harold is currently the Program Manager for the Commonwealth Facility Fund for Energy Efficiency (CoFFEE), a green revolving fund which

provides a low-cost financing mechanism for state agencies to fund energy conservation measures. This self-sustaining fund will assist the Commonwealth in its long-term commitment to reduce costs and fossil fuel consumption and will provide associated environmental and health impacts. Previously, Ryan worked on the Accelerated Energy Program, a three year initiative to upgrade energy and water efficiency at seven hundred sites across Massachusetts. Ryan has a B.A. in Economics from the University of New Hampshire and a M.S. in International Business from the University of Colorado.

CHAD HARRELL, Director - Energy Solutions, Lend Lease

Chad Harrell is the Director of Energy Solutions for Lend Lease Americas. He is responsible for developing holistic smart energy security solutions that leverage Lend Lease's integrated model. Chad has recently worked to deliver energy solutions across Lend Lease's Military Housing Privatization Initiative and Privatized Army Lodging portfolio. Chad is Lend Lease's program lead for the Better Buildings Challenge, and oversees the strategy and delivery of comprehensive energy efficiency and renewable energy generation solutions across a portfolio of more than sixty-three million square feet. He earned a B.S. in Business from North Carolina State University and an MBA with focus on capital real estate from Fuqua School of Business at Duke University.

STEVE HARRISON, Managing Director - Facilities and Sustainability, Parmenter

Steve Harrison is currently Managing Director of Facilities and Sustainability with Parmenter and has been active in the commercial real estate business since 1974. He has extensive experience in energy management and facility operations. Steve joined Parmenter in January 1996 as a Property Manager and was responsible for on-site management of a fifteen million dollar renovation project. He is responsible for sustainability as it relates to day-to-day operations at Parmenter properties, and assists and advises asset managers on matters related to capital expenditures and operations. In 2013, Steve oversaw the LEED certification process for Parmenter properties.

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JASON HARTKE, Program Manager - Commercial Buildings Integration, DOE

Jason Hartke is a Program Manager for the Commercial Buildings Integration (CBI) program at DOE. He leads a dynamic team working to identify and develop strategies and technologies to dramatically reduce energy consumption in commercial buildings across the country. Before joining DOE, Jason spent nearly a decade as a senior executive at the U.S. Green Building Council. He also served in the Clinton Administration, working in the West Wing of the White House in the Office of Intergovernmental Affairs. Jason received his Ph.D. in public policy from George Mason University and holds a Master's degree in Journalism and Mass Communication from the University of North Carolina at Chapel Hill.

DEVON HARTMAN, Co-Founder and Executive Director, Community Home Energy Retrofit Project

Devon Hartman is Co-Founder and Executive Director of the Community Home Energy Retrofit Project (CHERP). He has thirty-five years of experience in architecture, construction, and strategic business development. Newly retired from his role as Co-Founder and President of HartmanBaldwin Design/Build, Inc., he co-founded CHERP to form collaborative partnerships with community organizations, contractors, and cities to promote sustainable building practices and reduce fossil fuel use in buildings. Devon's architecture and construction work has garnered over fifty national awards. His work has been featured in numerous articles and interviews and he is a founding member of Efficiency First and Board Member of Efficiency First California.

GAVIN HASTINGS, Tierra Resource Consultants

Gavin Hastings is a senior member of the team at Tierra Resource Consultants, LLC and has extensive experience in the design and implementation of utility-scale residential energy efficiency programming. Since 2009, Gavin has managed award winning Home Performance with ENERGY STAR and ENERGY STAR Homes programs for Arizona Public Service. Over the last year he has served as a champion in the advancement of the BPI 2100 and BPI 2200 Standards (known as HPXML). Collaborating with stakeholders across the country, the APS Home Performance with ENERGY STAR program launched the first open software

market utilizing HPXML with multiple software vendors in late 2013. Gavin continues to assist in the expansion of data standardization and the advancement of next generation program measurement and tracking, coordinating directly with multiple states in their adoption of these standards.

BEN HEALEY, Assistant Director of Clean Energy Finance, Connecticut Green Bank

Ben Healey is an Assistant Director at Connecticut Green Bank and supports the development of financing initiatives designed to accelerate the deployment of clean energy and energy efficient solutions across Connecticut. During his time at the Green Bank, Ben has helped launch one of the nation's most successful commercial Property Assessed Clean Energy programs, structured a groundbreaking "crowdfunded" solar loan initiative, and managed a multi-megawatt pipeline of commercial-scale solar projects. Earlier in his career, he served as the Staff Director to the Committee on Environment and Natural Resources in the Massachusetts State Legislature. He holds degrees from the Yale School of Management, the Yale School of Forestry & Environmental Studies, and Yale College.

NEVEL E. HEGWOOD, Program Coordinator - Energy Efficiency Training, Red Rocks Community College/Rocky Mountain Education Center

Nevel E. (Ed) Hegwood, is the Program Coordinator for Energy Efficiency Training at Red Rocks Community College/Rocky Mountain Education Center in Lakewood, CO. Ed has been supervising energy efficiency studies in commercial buildings and manufacturing facilities since the early 1980's and has participated in or managed more than five hundred projects. He has designed and commissioned more than six hundred operation and maintenance plans for commercial buildings and manufacturing facilities in the U.S, England, Germany, and South Korea.

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PHILIP HENDERSON, Center for Market Innovation, Natural Resources Defense Council

Philip Henderson is with the Center for Market Innovation at the Natural Resources Defense Council, where he works with utilities, governments, and building owners on projects related to energy efficiency. His work has focused on how to use financing tools to effectively enable investments in energy efficiency and how new information technology can enable greater energy efficiency. He recently published a report on real-time energy management in commercial office buildings. Previously, Phillip worked for a member of Congress, was an associate attorney with a law firm in Washington, D.C., and worked with LendingTree and Overture Technologies. Phillip has a law degree from the University of Virginia.

MARIA ANDREA HESSENIUS, Green Communities Analyst - Leading by Example, Massachusetts Department of Energy Resources

Andrea is the key Data Analyst for the Leading by Example (LBE) team at the Massachusetts Department of Energy Resources. She is leading LBE's initiative to track, manage, and be more transparent with energy consumption data at all state facilities in the Commonwealth, covering more than sixty-five million square feet. Andrea has a B.S. in Biology and a B.A. in Spanish from Providence College and a Master's degree in Environmental Science and Management with a concentration in Environmental Policy from the University of Rhode Island.

BERT HILL, Health, Safety & Environmental Manager, Volvo Group North America

Bert Hill is Health, Safety and Environmental Manager for Volvo Group North America. He has more than twenty-five years of experience in environmental and energy issues. Bert coordinates the Volvo Energy Network of North America, Volvo's forum for identifying and spreading best practices. He also manages Volvo's participation in the DOE Better Buildings, Better Plants program.

LEN HOEY, Engineering Architect Manager, North Carolina Division of Environmental Assistance

Len Hoey is the Engineering Architect Manager with the North Carolina Division of Environmental Assistance and provides leadership for the Utility Savings Initiative (USI) program. USI is a statewide

lead-by-example program created to reduce energy consumption and costs in public facilities. Since the program's inception in 2002, the state has avoided more than nine hundred million dollars in utility costs and more than two million tons of CO₂e through efficiency efforts. The USI program now supports all public sector units including community colleges, K-12 public schools, and local governments. Len also oversees support and assistance for Performance Contracting in the public sector. In 2010 the Association of Energy Engineers recognized Len with the Region 2 Energy Manager of the Year Award.

DIANA HUN, Research and Development - Building Envelope Research Group, Oak Ridge National Laboratory

Diana Hun is an R&D Staff member in the Building Envelope Research Group at Oak Ridge National Laboratory and has thirteen years of experience in the building construction industry. Her research areas include improving the airtightness of buildings while minimizing risks due to potential building material deterioration and indoor air quality problems. She is currently assessing the performance of air barrier technologies, studying the optimization of building energy demands and indoor air quality, and evaluating the durability of energy efficient walls. Diana received her PhD from the University of Texas at Austin where she studied human exposure to hazardous air pollutants in homes.

RACHEL ISACOFF, Presidential Management Fellow, U.S. Department of Housing and Urban Development

Rachel Isacoff is a Presidential Management Fellow at the U.S. Department of Housing and Urban Development (HUD) where she conducts energy program and policy analysis. She supports the Better Buildings Challenge multifamily residential sector by managing technical assistance and highlighting the energy commitments of over eighty-five partners. She also performs research and drafts notices related to HUD's adoption of building energy code standards. She earned an M.S. in Historic Preservation from the University of Pennsylvania, focusing on the intersection of preservation with energy efficiency and climate adaptation, and earned a Bachelor's degree in Architecture from the University of Michigan.

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JOHN JAMESON, Better Buildings Account Manager, ICF International

John Jameson serves as Account Manager for the higher education and healthcare sectors of DOE's Better Buildings Alliance and works for ICF International in Washington, D.C. At ICF, John also works with Higher Education and Municipal partners in DOE's Better Buildings Challenge program in addition to supporting the ENERGY STAR Commercial Buildings program. Prior to joining ICF, John worked with Pittsburgh-based Higher Education Climate Consortium by assisting campus greenhouse gas inventories and energy efficiency projects. John also helped to co-author Pittsburgh's second Climate Action Plan in 2011.

CHRIS JEDD, Portfolio Energy Manager, The Housing Authority of the City and County of Denver, CO

Chris Jedd is a Portfolio Energy Manager responsible for the primary oversight of Denver Housing Authority's (DHA) energy management programs, including demand side reduction, renewable energy, and measurement and verification. Chris's recent projects include an eleven million dollar self - performed energy performance contract and a two and a half megawatt power purchase agreement installed throughout DHA's portfolio. Chris also provides technical assistance to other Public Housing Authorities. Prior to joining DHA, Chris gained experience in sustainability and real estate development through the development of over fifty million dollars of multifamily properties throughout the Mid - Atlantic and the Western U.S. Chris has an M.S. in Real Estate from the University of Denver.

AMY JIRON, Energy Project Specialist, DOE

Amy Jiron is an Energy Project Specialist managing the High Impact Technology (HIT) Catalyst program with the Commercial Buildings Integration team at DOE. The HIT Catalyst program accelerates cost effective, voluntary, high impact technologies into the commercial buildings market based on strategic analysis of commercial buildings markets and technologies. Prior to her work with DOE, Amy served as the Executive Director of the U.S. Green Building Council Colorado Chapter, advocated for low impact development with the National Resources Defense Council, and

evaluated, commissioned and verified high performance building design and retrofit strategies as an architectural engineer. Amy received her Juris Doctor from the Washington College of Law in Washington, D.C. and earned a B.S. in Architectural Engineering from the University of Colorado in Boulder.

LLOYD KASS, Director of Energy Services Marketing, New York Power Authority

Lloyd Kass serves as Director of Energy Services Marketing at the New York Power Authority (NYPA). NYPA is the nation's largest state power organization and serves a diverse customer base of businesses, community-owned electric systems, rural electric cooperatives, and government entities. NYPA is also a leader in clean energy and energy efficiency in New York, developing and implementing projects and programs in the greening of state and local government buildings. Lloyd joined NYPA in early 2013 to lead the launch of "BuildSmart NY" - New York Governor Andrew M. Cuomo's Executive Order driven initiative, which is driving state government buildings to a twenty percent energy reduction by 2020.

L. BETH KEEL, Sustainability Initiatives Liaison, San Antonio Housing Authority

Beth Keel is the Sustainability Initiatives Liaison for the San Antonio Housing Authority (SAHA). She brings life and university experience to SAHA by looking outside of the box for answers in sustainability, education, and conservation. She has brought the agency seven national awards and five local awards, and she has been recognized for three years in a row for her work in San Antonio in the realm of sustainability. She attended Naropa University in Boulder, CO, earning a Bachelor's degree in Interdisciplinary Studies and a Master's degree in Environmental Leadership.

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CAROLINE KEICHER, Associate Director, Policy and Engagement - Building Energy Performance Policy, Institute for Market Transformation

Caroline Keicher is an Associate Director at the Institute for Market Transformation and leads advocacy to cities and states on the development of legislative and regulatory policy for building energy performance. She provides support and technical guidance to government staff and elected officials as well as outreach to the real estate, utility, and energy services sectors. Caroline works with cities to identify and share best practices and to generate resources that support the proliferation of effective building energy performance policy nationwide. She holds an M.S. in Climate Change and Sustainable Development with a focus on energy efficiency in buildings from De Montfort University in Leicester, U.K., and Bachelor's degrees in Environmental Science and Zoology from the University of Florida.

MONA KHALIL, Policy Advisor, DOE

Mona Khalil is a Policy Advisor at DOE and works with state and local governments across the U.S. to assist them in accelerating the deployment of energy efficient technologies and practices. She collaborates with state and local governments to identify and characterize replicable solutions and best practices in energy data management, evaluation, measurement and verification, and combined heat and power program deployment. Mona holds a PhD in Biochemistry from Columbia University and a B.S. in Chemistry from the University of Nevada, Las Vegas.

KEITH A. KINDEL, Program Manager - Energy and Operations Office of Capital Programs, District of Columbia Housing Authority

Keith Kindel is a Program Manager for Energy and Operations at the District of Columbia Housing Authority and is continually exploring innovative solutions to further the Authority's goals in sustainability and energy efficiency. Faced with ever increasing utility bills, the Authority needed an innovative solution to upgrade and modernize its mechanical infrastructure to maximize efficiencies and lower utility consumption. Keith played a key role in the Authority's decision to embark on a twenty-six million dollar 'self-performed' Energy Performance Contract that pays for itself with over three million dollars in annual energy savings.

BENJAMIN KNOPP, Energy Specialist, Community Housing Partners

Benjamin Knopp is an Energy Specialist and leads Community Housing Partners' involvement in the Better Buildings Challenge. He performs energy management for the non-profit's portfolio of more than one hundred multifamily communities with more than six thousand rental units in four states in the southeastern U.S. Benjamin is a Certified Passive House Consultant, Association of Energy Engineers Energy Manager in Training, and a Virginia State Licensed Energy Analyst. He also performs residential and commercial energy consultation, research, training, and computer modeling.

JULIA KOSTER, National Capital Planning Commission

Julia Koster directs public engagement for the National Capital Planning Commission in Washington, D.C. A city planner with expertise in environmental issues and outreach, she previously worked for the Governor's Office of Smart Growth in Maryland and was a senior planner in Tacoma, WA. She is currently on detail to the U.S. Department of Housing and Urban Development's Office of Economic Resilience, working on infrastructure and utility policies. Julia received a Master's degree in Urban Planning from the Harvard Graduate School of Design.

JASON KRUPP, Senior Program Manager, Tennessee Valley Authority

Jason Krupp is a Senior Program Manager with the Tennessee Valley Authority (TVA) and is responsible for the EnergyRight® Solutions for Industry program. This program has been a foundation piece of TVA's energy efficiency portfolio and has brought in more than half of TVA's annual energy efficiency goal, which was more than five hundred twenty annual gigawatt hours for the last two years. Jason has been working in the utility industry for over fourteen years and has worked in various aspects of power generation and electrical usage. He has a B.S. in Mechanical Engineering from the University of Tennessee, Knoxville, an MBA from the University of Phoenix, and has multiple certifications in the energy efficiency field.

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WILLIAM J. LAKOS, Energy Analyst, Michigan State University

William (Bill) J. Lakos is an Energy Analyst with Michigan State University (MSU). His duties include analysis of campus energy challenges from both the perspective of building demand as well as the energy supply to campus. In his previous position at MSU, he managed the day to day operation of the campus building automation systems, which served over one hundred buildings and sixteen million square feet of space. In that capacity, he also managed the small data center which hosted all the building automation functions. Bill has a B.S. from Michigan State University in Computer Science and Mathematics with concentrations on numerical analysis and business.

JOHN LAMBERT, Energy Manager, Bank of America

John Lambert has more than twenty-four years of energy management experience and has been an Energy Manager for Bank of America since 2009. He led the development of a company standard for energy efficient operating standards for administrative buildings and data centers. Additionally, he developed tracking and reporting for more than 3,000 projects totaling more than nineteen million dollars in annual utility savings. Prior to joining Bank of America, John was an Energy Manager at Sears Holdings, a Performance Contracting Engineering Supervisor at Siemens Building Technologies and a Project Engineer at General Energy Corp. He has a B.S. in Mechanical Engineering from University of Illinois at Chicago.

JIM LANDAU, Associate Director, MetLife

Jim Landau is an Associate Director and the Head of Asset Management for MetLife Real Estate Investor's Washington, D.C. region. His property portfolio includes office, multifamily and hotels. Jim is a member of the firm's Energy and Sustainability Committee. He has been active in several of MetLife's sustainable initiatives, including energy management and green leasing. Prior to joining MetLife in 2014, Jim was a Vice President with Bentall Kennedy for thirteen years. In this capacity, he was an Asset Manager for various property types in several East Coast markets. Jim is the co-chair of the NAIOP, the Commercial Real Estate Development Association Maryland/D.C. Chapter's Sustainable Development Committee.

JARED LANG, Sustainable Development Manager, National Housing Trust

Jared Lang is a Sustainable Development Manager implementing sustainable design and energy efficiency across the National Housing Trust (NHT)/Enterprise portfolio. He identifies funding sources for green improvements, oversees property renovations, and assists the development of policy to enhance the availability of resources for energy retrofits in affordable multifamily housing. Prior to working with NHT, Jared was Program Manager for the National Association of Counties' Sustainability Programs, where he assisted local officials in incorporating sustainability strategies into their property portfolios. Jared holds a Bachelor's degree from the University of California, Santa Barbara and a Master's degree in City and Regional Planning from the University of Pennsylvania.

ROIS LANGNER, Engineer-Commercial Buildings Research Group, National Renewable Energy Laboratory

Rois Langner has worked as a Building Scientist and Engineer in the Commercial Buildings Research Group at the National Renewable Energy Laboratory since the beginning of 2010. She has worked with organizations to develop, implement, and maintain energy management policies and systems for continual energy improvement, and has worked to support the small commercial building sector in overcoming barriers that inhibit the adoption of energy efficiency solutions. Rois supports the DOE Better Buildings Alliance as well, leading the Plug and Process Load Technical Solutions Team. She earned an M.S. Civil Engineering from the University of Colorado at Boulder and a B.A. Physics from Colorado College.

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JEFFREY S. LESK, Office Managing Partner, Nixon Peabody

Jeff Lesk is a finance attorney serving as Office Managing Partner with Nixon Peabody (NP). He works with investors, lenders, sponsors, developers, and other private and public industry stakeholders to finance high-impact, socially oriented community developments. He is a founder and leader of NP's Legally Green® initiative and participates on local and national advisory boards, such as Conservation International, and also served as a co-chair of the Affordable Housing Summit at the U.S. Green Building Council's Greenbuild. Jeff earned a J.D. from the University of Arizona College of Law and a B.A. from Stanford University.

MICHAEL LESLIE, Energy Efficiency Program Manager, Maryland Energy Administration

Michael Leslie is the Combined Heat & Power (CHP), Regional Manufacturing, and Commercial and Industrial Energy Efficiency Program Manager for the Maryland Energy Administration. He has spent the last eight years focusing on facility resiliency and sustainable energy initiatives for utilities and large-scale energy users. Michael develops and executes energy efficiency programs, which are funded in part through the Maryland Strategic Energy Investment Fund and developed by public utilities under the authority of the EmPOWER Maryland Energy Efficiency Act of 2008. His responsibilities include providing technical review, oversight, and implementation.

EMILY LEVIN, Manager, Consulting - Program Support, Vermont Energy Investment Corporation

Emily Levin is a Manager leading the Vermont Energy Investment Corporation's Program Support group, providing energy efficiency and renewable energy program design, policy, planning, and implementation services to utilities, regulators, and consumer advocates. Emily previously led strategic planning and program design for Efficiency Vermont's residential portfolio, including Home Performance with ENERGY STAR, behavior, financing, and community initiatives. She has a Master of Environmental Management from Yale University.

MICHAEL LI, Senior Policy Advisor, DOE

Michael Li is a Senior Policy Advisor in the Office Energy Efficiency and Renewable Energy. He works on a variety of energy efficiency issues primarily focusing on evaluation, measurement and verification, data access and privacy, state policy and behavior based efficiency. Prior to joining DOE, Michael worked at the British Embassy on climate change in preparation for the 2009 United Nations Climate Change Conference in Copenhagen. Prior to the Embassy, he worked at several state agencies in Maryland, and served as the chief of staff for the Maryland Energy Administration.

CHRISTINE LIAUKUS, Senior Research Architect, New Jersey Institute of Technology's Center for Building Knowledge

Christine Liaukus is a Senior Research Architect at the New Jersey Institute of Technology's Center for Building Knowledge and has been working in the world of environmentally conscientious design and consulting for over twenty-five years. Her efforts include the creation of online training resources specific to high performance construction and ongoing studies on the reduction of building energy use. Christine has combined academic research with actual construction projects, allowing her to blend the insights of building science with expertise gleaned from seasoned tradespeople. Christine is a Registered Architect in New York and was the first Certified Passive House Consultant in New Jersey.

ALEXANDRA LIEBERMAN, Assistant Director - Clean Energy Finance, Connecticut Green Bank

Alexandra (Ali) Lieberman is an Assistant Director for Clean Energy Finance at the Connecticut Green Bank, where she sources and structures projects and programs that deploy clean energy at scale across the commercial, residential, grid and infrastructure, and municipal sectors. Her previous experience includes management consulting and private equity due diligence with OC&C Strategy Consulting and growth equity with NewWorld Capital. A Connecticut native, Ali graduated from the Yale School of Management and Yale School of Forestry and Environmental Studies with a joint MBA/MEM and holds a B.A. in Philosophy, Politics, and Economics from the University of Pennsylvania.

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LISA LIN, Sustainability Manager, City of Houston, TX

Lisa Lin is the Sustainability Manager for the City of Houston, TX, overseeing and assisting with various environmental programs and initiatives for the City. Her projects include the Houston Green Office Challenge, DOE's Better Buildings Challenge, launching the City's bike share program, expanding electric vehicle charging infrastructure, benchmarking energy performance for city buildings, updating municipal greenhouse gas inventory reports, climate action planning, forming City green teams, reporting to the STAR Communities Rating System and Carbon Disclosure Project, and creating behavior change programs. She has served on the U.S. Green Building Council (USGBC) Emerging Professionals National Committee and is a current board member of the USGBC-Texas Gulf Coast chapter and the South-central Partnership for Energy Efficiency as a Resource.

BARRY LINER, Director - Water Science & Engineering Center, Water Environment Federation

Barry Liner is the Director of the Water Science & Engineering Center at the Water Environment Federation (WEF). He is Editor of WEF's Energy Roadmap and lead's WEF's innovation initiatives. Barry has more than twenty years of experience working with the water/energy nexus. He has a PhD in Civil Engineering from George Mason University.

WILL LINTNER, Data Centers - Project Manager, DOE

Will Lintner is a Project Manager with DOE's Federal Energy Management Program. He is currently leading programs related to energy efficiency in energy intensive facilities, including laboratories and data centers. Will has played a pivotal role in activities to improve the environmental performance of the facilities within the Federal government, DOE, and the Department of the Navy. He has either managed or played a leading role in successful programs to cost effectively optimize operations through improved energy efficiency and water efficiency. He received a Presidential Award for Leadership in Federal Energy Management in 2007 for his contributions to providing energy savings through the DOE/EPA 21st Century Program. He is a

graduate of George Washington University and George Mason University.

JEREMY LITOW, National Grocery Practice Leader, CLEARResult

Jeremy Litow is a National Grocery Practice Leader at CLEARResult and has been in grocery energy efficiency for fifteen years. Before joining CLEARResult, Jeremy co-founded and ran a controls and electrical contracting firm for six years, working on new construction, retrofits and retrocommissioning projects in supermarkets, commercial office buildings, water and wastewater facilities, and with irrigation and cold storage refrigeration systems. He brought this knowledge to PECEI, where he managed PECEI's grocery practice, built PECEI's refrigeration engineering team, spearheaded development of GrocerSmart™, and refined and drove the application of a whole building approach to energy savings using Smart Meters for the grocery market segment.

KATHY LOFTUS, Global Leader of Sustainable Engineering and Energy Management, Whole Foods Market

Kathy Loftus is the Global Leader of Sustainable Engineering and Energy Management at Whole Foods Market. She coordinates sustainability and impact reporting and also leads engineering, green building, facilities and energy management, and strategic energy procurement. She has been in this role for nine years and was a founding steering committee member of DOE's Better Buildings Alliance Retail, Food Service & Grocery sectors. Along with being a founding member of the EPA Green Chill Program, Kathy coordinates additional EPA program partnerships. She spent eight years as Director of Energy & Environmental Management for Shaw's Supermarkets and was a chairperson of the Food Marketing Institute's Energy & Technical Services Committee. Kathy holds a B.S. in Mechanical Engineering from Worcester Polytechnic Institute.

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GARY LONDO, Energy Engineer - Global Facilities Engineering, General Motors

Gary Londo is a Senior Energy Engineer for the Global Facilities Engineering Team at General Motors, where he develops, engineers, and plans energy savings projects and performance contracts for General Motors facilities in North America. His responsibilities include budget planning and execution for North American utilities, and he specializes in high energy renewable engineering. Gary is a U.S. Navy educated Nuclear Engineer, serving over eight years aboard ships deployed overseas. He holds a B.S. in Business, Leadership and Management from Capella University and a B.S. in Electromechanical Technology from Excelsior College. He will be completing his Master's degree in Environmental Science (Energy and Sustainability) later this year.

RICHARD LORD, Fellow, Carrier Corporation

Richard Lord is Fellow at the Carrier Corporation, a division of United Technologies, and has worked there for the past forty-one years. In his career he has worked on the design of commercial HVAC equipment including air and water cooled chillers, rooftops, splits systems, air handlers, and advanced controls for units and systems. He is very active in the development of industry standards and is a member of the ASHRAE 90.1 (Vice chair), ASHRAE 189.1, ASHRAE 196, ASHRAE 205, CSA HVAC Standards Committee CSA 873 BEEM Standard (Vice Chair), and several other HVAC standards committees. He is also very active in the Air-Conditioning, Heating, and Refrigeration Institute (AHRI) and is the past chair of the Unitary Large section and Chiller Section. He is currently the chair of the chiller Engineering committee and the chair of a new AHRI Systems Steering Committee. Richard is a graduate of Clarkson University.

TOM LORENZ, MECS Survey Manager, U.S. Energy Information Administration

Tom Lorenz has worked in the semiconductor and plastics industries as well as in energy marketing, buying and selling natural gas for several industrial customers. For the past thirteen years, Tom has worked at the U.S. Energy Information Administration on the Manufacturing Energy Consumption Survey (MECS) and is the current survey manager responsible for all aspects of survey operations. His degree, coupled with more

than twenty years of experience in industry and energy, has been advantageous in manufacturing industry analysis of the MECS. He received his Chemical Engineering degree from Clarkson University in 1993.

JAY LUBOFF, Associate Director, Navigant Consulting

Jay Luboff is an Associate Director with Navigant Consulting, where his focus is on strategic market transformation evaluation and program design, best practice program design, emerging technology strategy, and energy efficiency policy. He recently supported the development of the DOE Benchmarking and Transparency Policy Impacts Evaluation Manual. He is a former director of a state Solar Energy Office, has served as a senior policy analyst at the California Public Utilities Commission, and served as a Manager at PG&E for regulatory policy for energy efficiency, demand response, distributed generation, and the California Solar Initiative.

MARION LUNN, Assistant Deputy Director - Illinois Office of Energy & Recycling, Illinois Department of Commerce & Economic Opportunity

Marion "Molly" Lunn is the Assistant Deputy Director for the Illinois Office of Energy & Recycling in the Illinois Department of Commerce & Economic Opportunity. In this capacity, she manages a variety of energy and environmental programs and planning efforts that save energy, generate clean and reliable electricity, and promote sustainable transportation, while supporting economic development and job creation. Before joining the state, Molly was with the DOE Office of Energy Efficiency and Renewable Energy, where she played many roles, including managing technical assistance for state and local governments. She received a Masters of Public Administration in Environmental Science and Policy from Columbia University.

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PAT LYDON, Sustainability Program Manager, Legacy Health

Pat Lydon is the Sustainability Program Manager for Legacy Health, a one- thousand bed, six - hospital integrated delivery network serving the Portland, OR and southwest Washington region. In this role, he is responsible for developing and implementing cost-effective strategies for sustainability programs, including water and energy resource management throughout the more than four million square feet of building space operated by Legacy Health. He is also responsible for developing Legacy's energy acquisition plans and currently serves on the boards of the Northwest Industrial Gas Users, the Association of Professional Energy Managers, and the Association of Energy Engineers, Columbia River Chapter.

MATT LYNN, Director of Solar Development, Lend Lease

Matt Lynn is the Director of Solar Development at Lend Lease and has more than twenty years of experience in renewable energy development, real estate development, finance, operations, and project management. For the past two years, he has been responsible for oversight, planning and delivery of more than forty megawatts of solar projects across Lend Lease's privatized military housing initiative (MHPI) portfolio of forty-two thousand homes. Prior to that, he lead a development team to deliver over one billion dollars of master planned communities and housing projects across Lend Lease's Department of Navy MHPI portfolio. Matt has a Bachelor's degree in Civil Engineering from Virginia Tech and a MBA from UNC-Chapel Hill.

CHRIS MAGEE, Executive Director of Sustainable Facilities, MGM Resorts International

Chris Magee is the Director of Sustainable Facility Development at MGM Resorts International. He conducts technology review and manages the selection, procurement, and implementation of MGM Resorts conservation projects pertaining to natural gas, electricity, water and renewable energy applications. Chris has also helped develop comprehensive sustainability plans for property operations and manages an employee environmental awareness education campaign. In 2009, Chris joined the Conservation District of

Southern Nevada Board of Supervisors as the appointed incorporated cities representative.

CLIFF MAJERSIK, Executive Director, Institute for Market Transformation

Cliff Majersik is the Executive Director of the Institute for Market Transformation (IMT), a nonprofit organization in Washington, D.C. that promotes energy efficiency in buildings. Under his leadership, IMT has expanded its work nationally and internationally, and become a recognized leader in the energy efficiency field. Cliff oversees IMT's principal activities in the areas of building performance policy, energy codes, energy efficiency finance, and green leasing. He also leads IMT's outreach to multiple stakeholder groups, including financial services, utilities, and real estate. His work on mortgage finance policy led to the introduction of federal legislation in 2011, and he was instrumental in crafting Washington, D.C.'s Clean and Affordable Energy Act of 2008 and its Green Building Act of 2006.

MARK MANTHY, Director of Business Development, Astrum Solar

Mark Manthy is the Director of Business Development for Astrum Solar, a Direct Energy company serving residential and commercial customers in over fifteen states. Mark is one of Astrum's original employees, and has been representing Astrum the solar markets of Maryland, Virginia, and Washington, DC for over five years. During that time, Mark has been responsible for the installation of over five megawatts of solar generation, including projects such as The Tower Companies Millennium Building and the solarization of the National Housing Trust's portfolio. Mark earned his MBA from the University of Maryland and his B.S. from Boston College.

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ROB MCCRACKEN, Project Development Manager, Greater Cincinnati Energy Alliance

Rob McCracken is Project Development Manager with the Greater Cincinnati Energy Alliance and is responsible for recruiting new contractors into Energy Alliance programs. He has a diverse background that includes serving as a director of projects for the Center for Innovation in Assessment at Indiana University, advocating for the environment as a policy analyst at American Farmland Trust in Washington, D.C., and serving as the head coach of women's rowing at The George Washington University. Rob graduated from Duke University with a B.A. in Environmental Science and Policy, and holds a Master of Public Affairs from Indiana University's School of Public and Environmental Affairs with a focus in environmental policy.

CRYSTAL MCDONALD, Policy Advisor - Weatherization and Intergovernmental Programs Office, DOE

Crystal McDonald is a Policy Advisor in the Weatherization and Intergovernmental Programs Office (WIP) at DOE. Her primary role is to identify, prioritize, and accelerate the adoption of policies and practices that transform markets targeted by WIP's State and local government initiatives. Crystal supports strategies and programs that develop sustainable communities, install clean energy technologies, and reduce greenhouse gas emissions. Currently, she is the DOE Lead working with the Better Buildings partners in the K-12 Education sector and the Outdoor Lighting Accelerator. Crystal has a Master's degree in Energy and Environmental Management from The George Washington University and a B.S. in Architectural Engineering from North Carolina A&T State University.

HEIDI MCKENZIE, Manager, Environmental Strategies and New Business Services - Environmental Quality Office, Ford Motor Company

Heidi McKenzie works at Ford Motor Company's Environmental Quality Office in the Worldwide Environmental Support group as the Environmental Strategies and New Business Services Manager. Currently, Heidi leads Ford's global manufacturing water strategy team, updating and ensuring implementation of the water strategy she was

responsible for developing in 2011. Heidi's previous positions include the subject matter expert for Ford's global manufacturing Environmental Operating System, storage tanks, and water policy development; Vehicle Operations Division environmental compliance and business targets support; and Ford Rouge Center Environmental Engineer. Heidi earned her Bachelor's and Master's degree in Environmental Engineering from Michigan Technological University and obtained her Professional Engineers License in 2004.

CHUCK MCKINNEY, Vice President of Sales and Marketing, Aircuity

Chuck McKinney is the Vice President of Sales and Marketing for Aircuity. He has spent thirty years in a wide variety of sales and marketing roles in both technology and energy efficiency businesses. For the past five years he has led Aircuity's marketing effort, raising awareness of airside efficiency opportunities for university, health care, life science and commercial office clients. Chuck is a board member of the New England chapter of the International Institute for Sustainable Labs (I2SL), and is a founding member of I2SL's newly formed Executive Advisory Council.

CLAUDIA MEER, Managing Director - Energy & Structured Finance, Clark Construction Group

Claudia Meer is the Managing Director at Clark Construction Group and has over twenty years of complex finance and deal structuring experience. In early 2011, she formed the Energy and Structured Finance (ESF) group. This group is focused on developing on-site clean and renewable energy solutions for clients, technologically customized to their needs. The ESF group serves as the developer, financial structuring entity, and tax credit equity investor in these projects. Claudia and her team are responsible for contract negotiations, transaction structuring, financing management, solutions development, and general project oversight. She holds a Master's degree in International Finance and Management from Harvard University and a Bachelor's degree in Economics from the University of Pennsylvania.

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AARON MEHTA, FS Energy

Aaron Mehta is responsible for managing the information assets of FS Energy. As the leader for the data team, Aaron utilizes technology to identify trends and opportunities for improvement through FSdata, the company's proprietary benchmarking database. FSdata houses historical energy usage, cost, and typology information for buildings in the FirstService Residential management portfolio. Through in-depth analysis, he leverages this data to further differentiate the services provided by FS Energy. Aaron aims to most effectively collect, analyze, and derive value out of the increasing amount of data amassed by the company in order to help clients make the best decisions to reduce energy costs and greenhouse gas emissions.

YURI MILLO, President and Founder, Better Place International

Yuri Millo, M.D., is the President and Founder of Better Place International, a non-profit organization committed to improving healthcare in emerging markets across the world. He has more than fifteen years of experience in the fields of healthcare simulation training, patient safety, and healthcare quality improvement. Yuri founded the Millo Group in 2012, which is focused on solving healthcare organizations' problems by adopting disruptive and breakthrough innovations focusing on patient-centric healthcare delivery. Yuri completed his medical studies at Carreggi School of Medicine, University of Florence, Italy; and fellowship at the University of British Columbia, Vancouver, Canada. He also holds an Executive MBA degree from Massachusetts Institute of Technology's Sloan School of Management.

ANDREW MITCHELL, Project Manager, DOE

Andrew Mitchell is a Project Manager for the DOE Better Buildings Alliance focused on the technology solutions teams as well as six other projects on commercial buildings integration. Prior to DOE, he worked in the private sector on commercial lighting, deregulated energy supply, and demand response. A native of Evanston, IL, he has a B.A. in Environmental Studies from Washington University in St. Louis and MBA from the University of Notre Dame.

NATE MITTEN, Manager of Energy Services, Kimco Realty Corporation

Nate Mitten serves as Manager of Energy Services at Kimco Realty Corporation, owner of the largest fleet of neighborhood and community shopping centers in the U.S. In his role, Nate plans and implements national initiatives aimed at improving the environmental and economic performance of Kimco's portfolio. His responsibility covers a variety of facility systems, including high performance lighting, HVAC, solar generation, and irrigation. Prior to his current role, Nate consulted with a variety of property owners and managers on how to maximize the performance and profitability of their buildings. Nate holds a PhD and M.S. from the Mechanical and Aerospace Engineering Department at the University of Florida and a B.S. in Engineering from Messiah College in Grantham, PA.

RON MOHR, Energy Systems Section Manager - Office of Sustainability, Los Angeles County, CA

Ron Mohr is an Energy System Section Manager and has worked for Los Angeles County for twenty-eight years, spending the last twenty years in energy management. He has been involved with the retro-commissioning of seventy-five facilities throughout the County, with an emphasis on energy savings. Ron is also involved with Los Angeles County's Enterprise Energy Management Information System, which provides energy management data services to the County and fifty-five local cities within the Southern California area.

JOHN MORRILL, Energy Manager, Arlington County, VA

John Morrill has held the position of Energy Manager for Arlington County, VA since 2000. He leads a broad portfolio of work in energy management and energy policy, including energy efficiency and clean energy deployment for County facilities. He is heavily involved in energy program development for the community. John also leads ESF 12, the emergency support function for energy in Arlington. Prior to joining the County, John held a variety of research and management positions during seventeen years with the American Council for an Energy-Efficient Economy in Washington D.C. John is a graduate of Leadership Arlington and earned a B.A. from Clark University and a Master of Urban & Environmental Planning from the University of Virginia.

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MICHAEL MULLER, Director - Center for Advanced Energy Systems, Rutgers University

Michael Muller is a Director of the Center for Advanced Energy Systems at Rutgers University. He joined the faculty of the Department of Mechanical and Aerospace Engineering at Rutgers University in 1979 after completing his graduate work at Brown University. His early career focused on applied energy research and fluid mechanics. In 1985, he established a DOE sponsored Energy Analysis and Diagnostic Center at Rutgers (which was an earlier name for the current Industrial Assessment Center program). In 2003, Rutgers University established a Center for Advanced Energy Systems and appointed Michael as its first director. Currently his efforts are focusing on a variety of technologies relating to industrial energy efficiency including organic Rankine cycles, gas powered heat pumps, membrane based heat exchangers, and applications of vortex tubes.

MICHAEL MYER, Research Analyst, Pacific Northwest National Laboratory

Michael Myer is a Research Analyst and has worked at Pacific Northwest National Laboratory (PNNL) for more than seven years after working in the lighting design field. At PNNL, Michael supports the DOE Better Building Alliance and Appliance Standards. Michael was the technical lead for the Lighting Energy Efficiency in Parking (LEEP) Campaign as well as lead in developing the Better Buildings Alliance parking lot and parking structure high efficiency lighting specifications. Michael has developed guides for federal agencies for high efficiency parking lot and structure lighting. He has also been involved in numerous demonstrations of parking lots and parking structures using new technologies and controls.

STEVE NAUMANN, Data Center Director/ IT Program Manager, Social Security Administration

Steve Naumann is currently the Data Center Director for the Social Security Administration's (SSA) newest data center in Urbana, MD. He is also the Program Manager for the IT migration of all production services to this center. Steve has almost thirty years of experience working in IT, and has been a C-Programmer, worked with network, facilities, storage, imaging, Windows, Unix, Mainframe, and data center design. He has worked as a Project Manager on major modernization

projects at the SSA, including implementation of paperless case processing and rolling out hardware to all electronic disability case processing sites worldwide.

SHARON NOLEN, Manager - Worldwide Energy Program, Eastman Chemical Company

Sharon Nolen is Manager, Worldwide Energy Program for Eastman Chemical Company. She previously worked at the EPA's research facility in Research Triangle Park, N.C. After moving to Eastman in 1989, she held a variety of leadership positions in Process Engineering, Plant Engineering, Corporate Quality, Information Technology, and Utilities before assuming leadership of the Worldwide Energy Program in 2010. Under her leadership, Eastman has been recognized by EPA for four consecutive years as an ENERGY STAR Partner of the Year. Eastman is the only chemical company to have received the highest ENERGY STAR Award, Sustained Excellence, in 2014 and 2015. Sharon holds a B.S. in Chemical Engineering from Tennessee Tech University.

KEVIN O'CONNOR, CEO, Rural Ulster Preservation Community Development

Kevin O'Connor is the Chief Executive Officer of Rural Ulster Preservation Community Development (RUPCO), Inc., an agency providing comprehensive housing and community development services in the Hudson Valley region. As an executive in housing and community development, Kevin has twenty-six years of experience in the not for profit sector. Prior to joining RUPCO, Kevin had developed more than one hundred fifty units of affordable housing, including homeless housing, homeownership and rental housing. Previously, he served as Associate Executive Director of Hudson River Housing in Poughkeepsie, New York. He is a 1983 graduate of Marist College with a B.A. in Communications.

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MICHAEL J. O'CONNOR, Physical Plant Director, Appalachian State University

Mike O'Connor is the Physical Plant Director for Appalachian State University located in Boone, NC. As the Senior Facilities Officer at the University, he oversees facilities planning, design and construction, maintenance, operations, utilities, landscaping, housekeeping, and the motor pool. In addition, he is responsible for the New River Power and Light Electric company; a public electric utility that serves both the University and the Town of Boone. He retired as a Captain from the Navy in 2006 after serving twenty-four years as a Civil Engineer Corps Officer.

DAVID OSHINSKI, Corporate Director of Construction, The Home Depot

David Oshinski is the Corporate Director of Construction at The Home Depot in charge of proto, process, criteria development and corporate facilities. His responsibilities include pre-construction services, furnish by owner purchasing, working on new store and distribution center formats, compliance, and sustainability programs. Prior to joining The Home Depot, he was with Wal-Mart Stores Inc. for twelve years as Director of Construction covering much of the U.S. He was International Director of Design and Construction from 1999 through 2001, which included Asia, South America, Canada, and Europe. David is a member of the DOE Better Buildings Alliance and the Associated General Contractors of America Private Industry Advisory Council.

JASON PAGE, Alliance Center Director, Alliance for Sustainable Colorado

Jason Page is the Alliance Center Director at the Alliance for Sustainable Colorado, where he oversees all aspects of The Alliance Center, an intentional shared space for organizations working on sustainability located in a historic warehouse in downtown Denver. The Alliance Center also has a mission component as a living laboratory, conducting pilot studies of innovative commercial building design solutions for using and generating energy. The facility is an Energy Star leader, LEED E-BOM Gold certified and was also recognized as the City of Denver's showcase project for the Better Buildings Challenge. Jason recently oversaw the award winning transformation of The Alliance Center into a high performance twenty-first century

workspace. Jason graduated from the University of Colorado at Boulder with a degree in Finance.

JAY PAIDIPATI, Energy Practice Director, Navigant Consulting

Jay Paidipati is a Director in Navigant's Energy Practice and has been working in the solar industry for eleven years. He has worked on a range of projects in solar, including due diligence of projects, corporate strategy, market assessments and technology assessments. He currently leads the Better Building Alliance's Renewables Integration team and is focusing on helping overcome market and informational barriers to solar PV adoption.

CHRISTOPHER PAYNE, Research Scientist & Group Leader - Sustainable Federal Operations Group, Lawrence Berkeley National Laboratory

Christopher Payne is a Research Scientist specializing in energy efficiency and sustainability in the Federal sector. He has supported the Federal Energy Management Program's (FEMP) energy-efficient product procurement activity since its inception. His research activities include use of public sector procurement as a technology diffusion and market transformation mechanism, development, implementation, and evaluation of public sector sustainability policies, and institutional/organizational decision-making related to energy and environmental performance and practice. He earned a B.A. in Physics and a concentration in Technology and Policy studies from Carleton College, an M.S in Science and Technology Studies from Rensselaer Polytechnic Institute, and a Doctorate in Urban Affairs and Public Policy with a specialization in Energy and Environmental Policy from the University of Delaware.

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PHILIP S. PAYNE, Principal and CEO, Ginkgo Residential

Phillip Payne is Principal and CEO of Ginkgo Residential. His primary responsibilities include overall strategic direction, growth and development of Ginkgo. From February 2007 until the formation of Ginkgo, he served as the CEO of Babcock & Brown Residential. In addition to his duties at Ginkgo, Philip is a member of the Board of Directors for Ashford Hospitality Trust. He is a member of the National Multi Housing Council and the Urban Land Institute (ULI), is the founding Chairman of ULI's Responsible Property Investing Council, and is on the Board of Advisors for ULI's Sustainability Center. Philip is also a member of Fannie Mae's Green Financing Taskforce. He holds a B.S. degree and a J.D. degree, both from The College of William and Mary.

KATHY PECORA, Energy and Conservation Specialist, Will County, IL

Kathy Pecora is the first Energy and Conservation Specialist for Will County and has worked with many County departments to identify and complete energy efficiency improvements. Kathy applied for and received grants and incentives to reduce project costs by nearly nine hundred thousand dollars through Illinois Energy Now and other public sector incentives. Her work now includes exploring advanced technologies that provide renewable energy and improved operations platforms, again utilizing utility funded grant programs. Kathy is working with the new Environmental Educator, Recycling Specialist, the County Executive's Office, County Board, and Department heads to further engage County Staff in energy usage reduction behavior while at work.

ELENI PELICAN, Policy Advisor - Weatherization and Intergovernmental Program Office, DOE

Eleni Pelican is a Policy Advisor for the Weatherization and Intergovernmental Program Office at DOE. She currently manages the portfolio of technical assistance available to state and local governments to support their innovative energy efficiency financing efforts. This portfolio includes diverse topics such as Property Assessed Clean Energy (PACE), On-Bill Financing, and Bonding. Eleni has been with DOE since 2006 when she joined as a Presidential Management Fellow and holds an MBA from George Washington University.

ANDREW PETERMAN, Arup Group

Andrew Peterman is a member of Arup's New York Sustainability team. At Arup, he and his colleagues advise corporate, non-profit, and government clients on a range of resilience, energy, and sustainability issues around the world. Prior to joining Arup, Andrew spent time at Stanford University's Steyer-Taylor Center for Energy Policy and Finance, where he advised former DOE Assistant Secretary Dan Reicher on strategies to help reduce the barriers to investment in building clean energy retrofits. Andrew holds a PhD in Civil and Environmental Engineering from Stanford University.

RICK PETTIBONE, Senior Energy Advisor, Franklin Energy

Rick Pettibone is a Senior Energy Advisor with Franklin Energy, providing process energy management services to large industrial customers. Rick has been in the energy business since 1980, starting his career at Wisconsin Power and Light. As a Program Planner, Rick was on the team that developed and evaluated the first demand-side management program implemented under the utility that offered direct rebates, custom rebates and financing. Over the next fifteen years, he spent time in the deregulated energy market selling natural gas and electricity for various gas producers and marketers. During the past six years, Rick has concentrated on providing energy savings services through Franklin Energy for industrial customers in the Wisconsin and Chicago marketplace.

JOHN PHELAN, Energy Services Manager, Fort Collins Utilities

John Phelan is the Energy Services Manager for Fort Collins Utilities and leads the team that provides energy efficiency, conservation, demand response and renewable energy services. His responsibilities include planning, implementation and evaluation of the Utility's energy policy and related programs. He also supports Fort Collins' renewable energy, green building, climate, and sustainability initiatives. Prior to working for Fort Collins Utilities, he led the sustainable design and commissioning teams at a leading consulting firm in Boulder, CO. He has a Master's degree in Civil Engineering from the University of Colorado, Boulder and a Bachelor's degree in Conservation of Natural Resources from the University of California, Berkeley.

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JEFF PITKIN, Treasurer, New York State Energy Research and Development Authority

Jeff Pitkin was appointed Treasurer of the New York State Energy Research and Development Authority (NYSERDA) in 2001. He is responsible for ensuring the timeliness and accuracy of financial reporting; supporting organizational transparency, accountability, and stewardship; ensuring effective policies for personnel, information security and facility management; investing NYSEDA's funds; and issuing bonds on behalf of New York State's investor - owned utilities to finance costs eligible for tax - exempt bond financing. He assisted with the design and implementation of the NY Green Bank and serves on its Investment Advisory Committee. He also led NYSEDA's design and implementation of a statewide on-bill recovery financing program. Jeff received a B.B.A. in Accounting from Siena College.

JOGCHUM POODT, Account Manager, D.C. Sustainable Energy Utility

Jogchum Poodt is an Account Manager for the D.C. Sustainable Energy Utility. He worked to launch the capital's first energy efficiency utility in 2011 and improves and promotes energy efficiency in affordable housing by designing and implementing award winning and nationally recognized programs for multifamily housing. Jogchum was recognized as the winner of the 2014 Housing Association of Non-Profit Developers Best Housing Partner Award. Jogchum's work as a Housing Development Finance Professional to housing developers in the District delivers financial incentives, technical assistance, and information to allow developers to save millions of dollars on their energy costs.

KINGA PORST, Sustainability and Green Buildings Program Advisor - U.S. General Services Administration Office of Federal High Performance Green Buildings

Kinga Porst serves as a Sustainability and Green Buildings Program Advisor and is an energy and water efficiency expert in the U.S. General Services Administration Office of Federal High Performance Green Buildings, with particular focus on submetering, energy conservation programs, renewable energy, and indoor environmental quality. She has been working on improving the usage of Energy Savings Performance Contracts

(ESPCs) in the Federal government and achieving deep energy retrofits in existing buildings. She has twenty years of experience in the public and commercial building industry with extensive knowledge in energy management, energy analysis, air conditioning, and green building practices coupled with ten years of experience in sales and marketing management. Kinga is a Mechanical Engineer and has an MBA from Case Western Reserve University.

CATHERINE POTTER, Director of Global Environmental Affairs, Johnson Controls

Catherine Potter is Director of Global Environmental Affairs at Johnson Controls. Catherine works on a range of environmental and sustainability initiatives and has experience in developing and executing business strategy, leading initiatives, analyzing risks and opportunities, engaging diverse stakeholders and inspiring forward progress in organizations. Before joining Johnson Controls, Catherine worked as a Director at PricewaterhouseCoopers (PwC). As a member of PwC's Sustainable Business Solutions group, she worked with a wide range of corporate clients on their sustainability goals, strategies and initiatives. Catherine has an MBA from Stanford Graduate School of Business and a B.A. from the University of Chicago.

SONIA PUNJABI, Office of Energy Efficiency and Renewable Energy, DOE

Sonia Punjabi leads the commercial new construction and major retrofits portfolio for the Building Technologies Office at DOE. She heads the research and development of industry-accepted national definitions, guidelines, and metrics for commercial Zero Energy buildings, campuses, portfolios, and communities. She also directed the technical projects developed by national labs in the areas of new construction and major retrofits, high performance and Zero Energy buildings, Advanced Energy Design Guides, Advanced Energy Retrofit Guides, and ISO 50001. Prior to joining DOE, Sonia was Director of LEED International Technical Development at the U.S. Green Building Council (USGBC), where she led the international expansion of the LEED brand and spearheaded the technical development of USGBC's LEED green building rating systems.

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KATHRYN RAMIREZ-AGUILAR, Green Labs Program Manager, University of Colorado, Boulder

Kathryn Ramirez-Aguilar, Ph.D., manages the Green Labs Program at the University of Colorado-Boulder, a program she has been building and creating since 2009. Working as a research scientist for fifteen years, she saw a need for a program to engage scientists in resource conservation in labs which could serve as a model for other campuses to adopt. Kathryn is engaged with the green labs community on a national level through active participation in the International Institute for Sustainable Laboratories (I2SL), Green Labs Planning Group, and the DOE Better Buildings Alliance Laboratories Technology Solutions Team, where she regularly collaborates and shares ideas with colleagues at other universities and federal agencies who care about efficiency and sustainability in lab environments.

JENNIFER REED, Director of Fund Development and Public Relations, Eden Housing

Jennifer Reed is Director of Fund Development and Public Relations at Eden Housing and helps to elevate fundraising efforts and advocate on behalf of Eden about the importance of providing homes that are affordable to the communities served across Eden's portfolio of affordable housing sites. Prior to transitioning to this role in May 2014, Jennifer held multiple leadership roles including Director of Staff Development and Director of Resident Services. She has been a member of Eden's Green Steering Committee since its inception. She earned a B.S. in Psychology at Union College in New York, and an M.A. in Applied Psychology at Golden Gate University in San Francisco.

RICHARD L. RENTZ, Principal and Senior Project Manager, TA Engineering

Richard Rentz is a founding Principal and Senior Project Manager with TA Engineering, Inc. He has more than thirty-five years of consulting engineering experience, and his areas of expertise include HVAC and utility systems. He has provided technical support to a variety of public housing authorities on the topics of utilities, utility allowances, and energy performance contracting. He has also provided consulting services to the U.S. Department of Housing and Urban Development (HUD) Headquarters to support local HUD Field

Offices in reviewing energy performance contract projects submitted for approval by local housing authorities. He has provided technical services to the Housing Authority of Baltimore City on a near continuous basis since 1999.

ERIN RICHMOND, Manager, JDM Associates

Erin Richmond is a Manager at JDM Associates with more than ten years of experience designing and implementing energy efficiency programs in commercial buildings with a focus on healthcare, senior care, hospitality, and entertainment buildings for both government programs and private sector clients. At JDM, she supports the DOE Better Buildings Alliance as a healthcare and senior care sector expert. Erin has also supported the EPA ENERGY STAR Program, assisting with managing the development, launch, and promotion of the collection of data to develop the first Portfolio Manager energy performance benchmarks for senior care and multifamily buildings and to update the benchmark for hospitals.

JASON ROBBINS, Manager of Mechanical Engineering, Walgreens

Jason Robbins is Manager of Mechanical Engineering and has been with Walgreens since 2005. He provides direction for Walgreens mechanical and refrigeration projects, including piloting of new concepts and designs. Jason worked on the design for Walgreens' first geothermal installation in Oak Park, which opened in 2010. He also led the engineering design team for the state of the art mechanical system at the Walgreens' Net Zero project in Evanston, IL. He is a registered professional engineer and holds a B.S. in Mechanical Engineering from the Milwaukee School of Engineering.

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SUSAN ROCHFORD, Vice President - Energy Efficiency, Sustainability and Public Policy, Legrand North America

Susan Rochford is the Vice President of Energy Efficiency, Sustainability and Public Policy for Legrand North America. She is responsible for advancing Legrand's progress in setting and achieving sustainability goals and commitments as an organization and in the marketplace. Prior to joining Legrand, Susan was the Senior Vice President at the Council on Competitiveness. She also served as Vice President, Government, Regulatory, & Industry Affairs for Underwriters Laboratories Inc., Director of International Affairs for Honeywell Inc., Senior Advisor on Trade Policy to the Under Secretary of Commerce for International Trade, and Executive Director, Treasurer, and Secretary of the U.S.-Japan Business Council. She holds a B.A. in Political Science from the University of Connecticut and a Master of International Management from Thunderbird School of Global Management.

ETHAN ROGERS, Senior Manager - Industry, American Council for an Energy-Efficient Economy

Ethan Rogers joined the American Council for an Energy Efficient Economy (ACEEE) in February 2012 and is a Senior Manager responsible for directing the day-to-day activities of the industry program. The program team conducts in-depth analysis of energy use by industrial facilities. The program also analyzes and reports on efficiency programs targeting the industrial sector and on opportunities to increase the use of combined heat and power to meet the nation's energy needs. The team works collaboratively with businesses, government agencies, and public interest groups in the industrial sector to advance policies that encourage energy efficiency.

JULIANN ROGERS, Director of Energy, CKE Restaurants Holdings

Juliann Rogers is the Director of Energy for CKE Restaurant Holdings, LLC and has spent most of her career in foodservice, starting with Mrs. Fields Cookies in Park City, Utah. She then spent six years with Winchell's Donuts managing the facilities department. Juliann joined Carl's Jr in 1996, took a five-year break in 1999 to start a family with a set of twins, and returned in 2004 to run the newly formed energy department for CKE Restaurants, Inc. Her

responsibilities cover both supply and demand side of energy management. She graduated from Utah State University with a B.S. in Marketing.

CAITLIN ROOD, National Environmental Sustainability Manager, Mercy Housing

Caitlin Rood is Mercy Housing's National Environmental Sustainability Manager and is responsible for the environmental aspects of all areas of Mercy Housing operations, including development, operations, resident services, and office practices. Caitlin is an accomplished environmental, sustainability, and efficiency professional and project manager with broad experience in sustainability program development and reporting, energy and water efficiency, environmental management systems, audits, waste management, environmental assessments, and best practice development. She holds a B.S. and M.S. in civil and environmental engineering and has more than eighteen years of sustainability and energy efficiency experience.

LAUREN ROSS, Senior Policy Analyst, American Council for an Energy-Efficient Economy

Lauren Ross is a Senior Policy Analyst with the American Council for an Energy-Efficient Economy (ACEEE), focusing on community energy efficiency. She leads ACEEE's work on multifamily housing and overall local energy efficiency policy activities. Prior to joining ACEEE, Lauren was a fellow in the Office for International and Philanthropic Innovation at the U.S. Department of Housing and Urban Development where she worked on identifying best practices and policies to further sustainable housing and cities throughout the United States and internationally.

KATHERINE M. ROUGEUX, Project Manager, New York Power Authority

Katherine Rougeux is a Project Manager at the New York Power Authority (NYPA) and is currently responsible for managing the Five Cities Energy Master Plans project and the Western New York Workforce Development Initiative. During her eight years with NYPA, Katherine has worked in demand response, forecasting, contract management, and integrated resource planning, and was a key contributor to the Energy Highway initiative. She holds an MBA with an Advanced Certificate in Executive Leadership and a B.S. in Business Administration, with an emphasis in finance and marketing, both from Marist College.

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AMY ROYDEN-BLOOM, Supervisor - State Energy Program, DOE

Amy Royden-Bloom is the Supervisor of the State Energy Program (SEP), which provides funding and technical assistance to state and territory energy offices to help them advance their clean energy economy while contributing to national energy goals. SEP also provides leadership to maximize the benefits of energy efficiency and renewable energy in each state through communications and outreach activities and technology deployment, and by providing access to new partnerships and resources. Prior to joining DOE in 2013, Amy was a Senior Staff Associate at the National Association of Clean Air Agencies, where she led the association's efforts on global warming, enforcement, agricultural air pollution, and training. Amy holds a law degree from Harvard Law School and a B.A. in Economics and Spanish from the University of Virginia.

BECCA RUSHIN, Associate Manager of Sustainability, Jamestown Properties

Becca Rushin is Associate Manager of Sustainability at Jamestown properties, a vertically integrated Atlanta based real estate investment and management company. Becca coordinates Jamestown Green, the firm's proprietary program that engages assets from acquisition through disposition to reduce building expenses, enhance asset value, and position assets at a competitive advantage while reducing overall impact on the environment. Previously, Becca worked as a local government consultant. Becca earned her M.S. from Utrecht University, where she studied Sustainable Development with a focus on Environmental Policy and Management. Becca also holds a B.A. in Spanish and Environmental Policy from Sewanee: the University of the South.

RICHARD RUSSELL, Senior Energy Engineer, Nissan North America

Richard Russell is Senior Energy Engineer at Nissan North America. He joined the company in 2001 after a lengthy career in the evaluation and appraisal of energy properties in the oil and gas industry. He is currently responsible for planning, forecasting, and measurement of performance improvement at all Nissan plants in North America. Richard is a graduate of Vanderbilt University.

ROBERT SANDERS, Senior Finance Director, Clean Energy Group

Robert Sanders is Senior Finance Director at Clean Energy Group with more than twenty-five years of experience in community development and energy related commercial finance. He provides consulting services in the areas of sustainable development, clean energy and community development, and was lead author for Clean Energy Group's 2014 report "Clean Energy for Resilient Communities." Rob was formerly the Managing Director of Energy Finance for The Reinvestment Fund, an innovator in the financing of neighborhood and economic revitalization. Rob holds an M.C.P. from the University of California at Berkeley and a B.A. from Stanford University.

DALE SARTOR, Staff Scientist/Engineer, Lawrence Berkeley National Laboratory

Dale Sartor is a Staff Scientist/Engineer at Lawrence Berkeley National Laboratory (LBNL), where he focuses on building efficiency technology applications. He leads projects to develop and transfer new technology and stimulate the use of underutilized technology. Dale has over forty years of professional experience in energy efficiency and renewable energy applications, including ten years as a principal of an architecture and engineering company, and seven years as the head of LBNL's In-House Energy Management Program. Currently Dale is focused on energy efficiency in buildings for high tech industries, such as laboratories, cleanrooms, and data centers. He oversees the Federal Energy Management Program's new Center of Expertise for Data Centers. Dale has an A.B. in Architecture and an MBA.

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REBECCA SCHAAF, Senior Vice President,
Stewards of Affordable Housing for the Future

Rebecca SchAAF is a Senior Vice President at Stewards of Affordable Housing for the Future (SAHF), where she leads SAHF's energy and water conservation initiatives. One of SAHF's key energy and water initiatives is the Big Reach, a collaborative effort between SAHF and its members to reduce energy and water use portfolio-wide by 20% by 2020. Since December 2013, the Big Reach initiative is operating in coordination with the Better Buildings Challenge. Prior to joining SAHF, Rebecca worked on energy efficiency programs in China, Russia, and Ukraine at Pacific Northwest National Laboratory's Joint Global Change Research Institute. She holds a B.A. in Economics from New College of Florida and a Master of Community Planning degree from the University of Maryland, College Park.

PAUL SCHEIHING, Technology Manager -
Advanced Manufacturing Office, DOE

Paul Scheihing is a Technology Manager in DOE's Advanced Manufacturing Office. He is the lead of the Superior Energy Performance certification program in partnership with U.S. industry. Prior to working at DOE, Paul worked at the Garrett Turbine Engine Company and at Westinghouse Electric Corporation. He was honored by the American Council for Energy Efficient Economy as Champion in Energy Efficiency in Industry in July 2013. Paul holds a B.S. in Mechanical Engineering from the University of Connecticut in Storrs, Connecticut, and an M.S. in Mechanical Engineering from Drexel University.

BRUCE SCHLEIN, Director - Alternative Energy
Finance Group, Citi

Bruce Schlein is a Director in Citi's Alternative Energy Finance (AEF) Group in the Capital Markets Origination Division, a team providing full service financing solutions for all types of renewable energy and energy efficiency. Prior to AEF, Bruce worked as Director of Corporate Sustainability with Citi business and operations units to identify and develop solutions for emerging environmental and social issues and opportunities. Previously he worked as a sustainability specialist for Bechtel on petrochemical and civil projects in China and Romania, and for international development agencies including Save the Children, Catholic

Relief Services in Bosnia Herzegovina and the U.S. Peace Corps in Papua New Guinea. Bruce is a graduate of Cornell University and holds a Master's degree in International Affairs from Johns Hopkins Nitze School of Advanced International Studies.

STEVEN C. SCHULTZ, Corporate Energy Manager,
3M

Steve Schultz is Corporate Energy Manager for 3M and is responsible for managing 3M's global energy management program, which includes tracking and improving the efficiency of more than two-hundred and fifty locations around the world. His role includes strategic planning, development, and implementation of programs to achieve corporate goals, and oversight of corporate data tracking and measurement systems. Steve is leading 3M's effort to become certified at the Enterprise level to the Management System for Energy ISO 50001 and has worked with several 3M locations globally that have achieved ISO 50001 and Superior Energy Performance certification.

MONISHA SHAH, Senior Energy Analyst, National
Renewable Energy Laboratory

Monisha Shah is a Senior Energy Analyst in the Strategic Energy Analysis Center at the National Renewable Energy Laboratory. She currently conducts strategic analysis for the DOE's Buildings Technologies Office and leads the DOE's Better Buildings Energy Data Accelerator, where twenty - two city - utility pairs have committed to provide whole building data access to building owners. Monisha also led the Green Button initiative, an effort to empower consumers with their own energy consumption data during her time as the Deputy Associate Director for Energy and Climate Change at the White House Council on Environmental Quality (CEQ). During her tenure at CEQ, she also worked on the Energy Data Initiative, energy efficiency, renewable energy and smart grid policy.

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ERICK SHAMBARGER, Deputy Director –Office of Environmental Sustainability, City of Milwaukee, WI
Erick Shambarger is the Deputy Director of the City of Milwaukee Office of Environmental Sustainability. He oversees the Milwaukee Energy Efficiency program and the Milwaukee Better Buildings Challenge, chairs the City's Energy Reduction Team to reduce energy use across City operations, and promotes innovative storm water management practices and green infrastructure. Erick was the lead writer of the Energy Chapter of the City's ReFresh Milwaukee sustainability plan and operates the City's open market Property Assessed Clean Energy (PACE) financing program. Prior to his current role, he served as City Economist in the City's Budget and Management Division. He holds a Master of Public Affairs degree from the University of Wisconsin.

RICH SHANDROSS, Associate Director, Navigant Consulting
Rich Shandross is an Associate Director at Navigant Consulting and is the technical lead of DOE's Better Buildings Alliance Food Service Technology Team. At Navigant, Rich works on commercial building efficiency, energy efficiency test procedures and standards, power grid modernization, and advanced energy technologies. In prior positions he has worked on and led projects in commercial food equipment and processes, HVAC technologies, manufacturing technology, alternative fuel technologies and manufacturing processes, well - to - wheels analyses of energy and emissions, and fuel cell technology development and analysis.

ANDREW SHARP, Deputy Director of Sustainability, City of Philadelphia, PA
Andrew Sharp serves as the Deputy Director of Sustainability for the City of Philadelphia. He leads policy and engagement initiatives to support the implementation of Greenworks, Philadelphia's comprehensive plan. Andrew also oversees the Philadelphia City Energy Project and manages the City's building benchmarking and disclosure program. Prior to joining the City, Andrew was the Director of Outreach for Penn Future, a statewide environmental advocacy organization.

TRAVIS SHEEHAN, EcoDistricts Energy Fellow, Boston Redevelopment Authority
Travis Sheehan is the EcoDistricts Energy Fellow at the Boston Redevelopment Authority (BRA). He is the City's strategic planner for district energy pilot projects and program development. Before joining the BRA, Travis was an environmental consultant at Linnean Solutions, providing policy analysis and economic modeling for private and public sector clients. Travis founded Gridling Global in 2012 to advise real estate clients on sustainable urban development in Southern India. He holds a double Master's degree from MIT.

GENEVIEVE SHERMAN, Acting Director - Commercial and Industrial Programs, Connecticut Green Bank
Genevieve Rose Sherman is the Acting Director of Commercial and Industrial Programs at the Connecticut Green Bank. She joined the Green Bank in 2012 to implement Connecticut's newly established Commercial Property Assessed Clean Energy (C-PACE) program. Genevieve also leads the Green Bank's microgrid financing efforts. Prior to joining the Green Bank, Genevieve acted as a consultant to Clean Energy Solutions Inc. and Earth Markets, where she conducted market research and outreach on behalf of utilities and state energy agencies. Genevieve graduated from MIT with a Master's degree in City Planning and holds a B.A. in Urban Studies from Columbia University and a Certificate in Environmental Planning and Policy from MIT.

JEN SINGER, Better Buildings Account Manager, ICF International
Jen Singer is an Associate with ICF International, where she serves as a commercial and public sector Account Manager for DOE's Better Buildings Challenge and Better Buildings Alliance programs, specializing in hospitality, K-12 school district, and state partners. She previously supported EPA's ENERGY STAR Commercial Buildings Program, the Massachusetts Green Communities Grant Program, and Duke Energy's Energy Savings Master Plan for institutions of higher education. Prior to joining ICF, Jen served as Environmental Program Coordinator for the Saunders Hotel Group/EcoLogical Solutions.

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BRENDON SLOTTBACK, Sustainability Program Coordinator, City of Minneapolis, MN

Brendon has worked as the Sustainability Program Coordinator for the City of Minneapolis since 2011. His work focuses on climate mitigation, adaptation, public participation, and sustainability metrics and he is currently the lead staff on the City-Utility Clean Energy Partnership. Brendon also led the process to update the City's climate mitigation plan and served as the lead on the development of a commercial building benchmarking and disclosure ordinance. Before joining Minneapolis, Brendon worked on policy analysis and land use planning for Dakota County and as a consultant for DSU/Bonestroo, a land use planning and civil engineering firm. He holds a Master's degree in Urban and Regional Planning from the University of Minnesota and a B.A. in Political Science from the University of Wisconsin Eau Claire.

JOHN SMEGAL, Workforce Development Lead - Advanced Manufacturing Office, DOE

John Smegal serves as the Workforce Development Lead, Budget Officer, and Deputy Operations Supervisor for the DOE Advanced Manufacturing Office (AMO). Prior to joining DOE, he provided strategic planning and technical consulting support to DOE, EPA, the U.S. Nuclear Regulatory Commission, the Department of Veterans Affairs, the Department of Defense, and other public and private sector clients. John is responsible for AMO oversight of the Industrial Assessment Center Program – a network of centers located within accredited engineering programs at twenty-four universities across the U.S. John has a B.A. in Economics from Carleton College and an M.A. in Public Policy from the Harris School at the University of Chicago.

BRANT SMITH, Managing Broker, NEO Realty Group

Brant Smith is a Managing Broker at NEO Realty Group, L.L.C. in Cleveland, OH, and is responsible for oversight of all aspects related to client services delivery in both the brokerage and property management aspects of the business. Brant's involvement in the real estate industry ranges from the local Institute of Real Estate Management (IREM) chapter Executive Board to National IREM committee positions, as well as Akron Cleveland Association of Realtors (ACAR) Commercial

Committee and Strategic Planning positions. Brant founded and launched NEO Realty Group in 2014. He graduated in 2002 from Miami University of Ohio with a B.S./B.A. and in 2011 from Kent State University with an MBA.

DEREK SMITH, Chief Executive Officer, Clean Energy Works

Derek Smith serves as the Chief Executive Officer of Clean Energy Works Oregon. Prior to this role, he was Policy Advisor for the City of Portland's Bureau of Planning and Sustainability, where he was project manager of the Clean Energy Works Portland pilot program. In the late 1990s, Derek developed one of the first retail sustainability programs at multi-channel retailer Norm Thompson Outfitters. As Director of Operations at YOLO Colorhouse, a venture capital-funded green lifestyle brand offering premium zero volatile organic compounds paint, he was a member of the management team that supported five hundred percent annual growth. Derek has a B.S. in Mass Communications from San Jose State University and an MBA from the University of Oregon.

THOMAS C. SMITH, President, Exposure Control Technologies, Inc.

Thomas C. Smith is President of Exposure Control Technologies, Inc. (ECTI). He founded ECTI in 1994 to help research facilities provide safe, dependable, and energy efficient laboratory buildings. Thomas is active in developing national and international standards for lab ventilation and has served as Chair of ASHRAE TC 9.10 Laboratory Systems, Vice Chair of ANSI/ASHRAE Standard 110 Fume Hood Testing, and is the Vice-Chair of the ANSI/AIHA Z9 Standards for Ventilation and Health. He has a B.S. in Mechanical Engineering from North Carolina State University and an M.S. in Environmental Engineering (Industrial Hygiene) from the University of North Carolina.

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SHAUNA M. SORRELLS, Director of the Office of Public Housing Programs, U.S. Department of Housing and Urban Development

Shauna Sorrells serves as the Director of the Office of Public Housing Programs at the Department of Housing and Urban Development (HUD). The Office is responsible for overall coordination across Public Housing, the Public Housing Operating Subsidy, and Rental Assistance Demonstration (RAD) outreach, as well as general occupancy, admissions and management policy for the nation's oldest affordable housing program. In addition, she heads policy direction for Energy Performance Contracting within Public Housing. Under her leadership, the Department recently updated Public Housing energy policy to eliminate disincentives resulting from combined utility rate and consumption reduction activities to encourage and expand the deployment of on-site renewable technology within Public Housing.

FRANK SPASARO, Manager - Government Partnerships and Energy Efficiency Finance, Southern California Gas Company

Frank Spasaro is a Manager for Southern California Gas Company (SoCalGas) and is currently responsible for managing its local government and institutional energy efficiency partnerships. He is also responsible for developing and implementing their on-bill financing program, and is leading the effort to develop statewide energy efficiency financing pilots. Since joining SoCalGas in 1981, he has spent the majority of his career working on energy efficiency, serving in several policy and oversight positions. He's been responsible for the development of many SoCalGas programs to promote energy efficiency and has managed the company's Energy Resource Center. Frank graduated from the University of Southern California with a B.S. in Civil Engineering.

THERESA SPURLING-WOOD, Energy Conservation Specialist, Alachua County Public Schools

Theresa Spurling-Wood serves as Alachua County Public Schools' (ACPS) Energy Conservation Specialist. Since her arrival, ACPS has reduced districtwide energy and water consumption and been recognized as a Top Performer School District by EPA and as a District Finalist in the Florida Green Schools Awards. She has worked in

the HVAC service industry, K-12 schools facilities maintenance and operations, utilities, and energy conservation fields. While at Gainesville Regional Utilities, she was the Program Manager for their award winning Home Performance with Energy Star Program as well as their Low-income Energy Efficiency Program. She serves as Chair of the U.S. Green Building Council Heart of Florida Chapter Green Schools Committee, Founding Member of the Community Weatherization Coalition, member of City of Gainesville Energy Advisory Committee, and is a member of the State and Local Energy Efficiency Action Network Residential Retrofit Working Group.

RAJARAM SRINIVASAN, Director of Engineering, Marriott International, Inc.

Rajaram (Raj) Srinivasan is currently Director of Engineering at the JW Marriott Hotel, and is the Marriott Engineering Business Council Leader for Washington, D.C. He has overall responsibility for maintaining the buildings and physical plants, with particular attention towards energy efficiency, safety, standard compliance and asset protection. He is also accountable for managing the budget, capital expenditure projects, preventative maintenance, and energy conservation. With Raj's leadership, JW Marriott, D.C. received the D.C. Business Leader Champion Award in Energy Efficiency from NEEP (Northeast Energy Efficiency Partnerships) in 2014. He has a degree in Electrical and Electronics Engineering from Bharathiar University, India.

TERRY STEUBER, Manager - Commercial and Industrial Programs, Energy Division, Kansas Corporation Commission

Terry Steuber is the Manager of Commercial and Industrial Programs for the Energy Division of the Kansas Corporation Commission. He worked for more than twenty years in the construction industry at all levels of responsibility before joining the Kansas Corporation Commission in 2008. He is a member of the Association of Energy Engineers, is a Certified Energy Manager, and a Certified Measurement and Verification Professional. Terry graduated from Kansas State University with a B.S. in Construction Science.

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MARTY STIPE, Engineer, Oregon Department of Energy

Marty Stipe is an Engineer with the Oregon Department of Energy. He has designed and run industrial energy efficiency programs at the Department for the past fifteen years. Prior to this position, he worked as a designer of valves, heat exchangers, and piping systems, and in industrial operation and facility engineering positions. Marty holds Bachelor's and Master's degrees in Mechanical Engineering.

ELIZABETH STUART, Program Manager - Electricity Markets and Policy Group, Lawrence Berkeley National Laboratory

Elizabeth (Liz) Stuart is a Program Manager in the Electricity Markets and Policy Group at Lawrence Berkeley National Laboratory (LBNL). Liz has been lead or co-author on more than a dozen LBNL reports and policy papers. She is part of the development team and leads stakeholder engagement for eProject Builder, the national Energy Savings Performance Contract project database that Berkeley Lab developed for DOE. She conducts research on a range of energy efficiency and demand response policy and program issues. Liz holds an MBA in Sustainable Management from Presidio Graduate School in San Francisco and a Bachelor's degree in Communications from the University of Arizona.

NANCY SUTLEY, Chief Sustainability Officer - Sustainability and Economic Development Division, Los Angeles Department of Water and Power

Nancy Sutley serves as the Chief Sustainability Officer for the Los Angeles Department of Water and Power (LAWDP) Sustainability and Economic Development Division. Nancy served as Chair of the White House Council on Environmental Quality from January 2009 to February 2014. Under Nancy, the Council on Environmental Quality played a central role in shepherding the Obama Administration's signature environmental accomplishments. She was one of the chief architects of President Obama's June 2013 Climate Action Plan. Prior to that position, Nancy was the Deputy Mayor for Energy and Environment for the City of Los Angeles, CA under Mayor Antonio Villaraigosa. She received her Bachelor's degree from Cornell University and her Master of Public Policy from Harvard University.

JOHN SYKES, Founding Director, Delaware Interfaith Power and Light

John Sykes is the Founding Director of Delaware Interfaith Power and Light (DeIPL) and has a broad background of professional program management, having worked for several multinational computer technology companies in a career that spanned thirty years. After retirement, John volunteered for a variety of nonprofit organizations, such as The American Red Cross, Delaware Hospice, Tunnell Cancer Center, and the League of Women Voters.

KRISTEN TADDONIO, Deployment Team Lead - Commercial Building Integration Program, DOE

Kristen Taddonio is the Deployment Team Lead for the Commercial Building Integration Program at DOE's Building Technologies Office. In this role, she is in charge of public-private partnerships with the Nation's leading building owners, managers, and tenants. Her team oversees DOE's Better Buildings Alliance and supports partners in the Better Buildings Challenge.

CODY TAYLOR, Team Lead, DOE

Cody Taylor is a Team Lead in the Commercial Buildings program in the Office of Energy Efficiency and Renewable Energy at DOE. His focus is on improving the market for energy efficiency in commercial buildings. His work includes a number of initiatives to improve the use of data for building energy decision-making.

FAITH TAYLOR, Senior Vice President and Chief Sustainability Officer, Wyndham Worldwide

Faith Taylor is Senior Vice President and Chief Sustainability Officer and overseeing the Wyndham Worldwide sustainability program, Wyndham Green. She has overseen the development of the company's corporate policies, strategies, reporting, and branding initiatives since she started the Wyndham Green program in 2006. Faith is Chair of the Sustainability Working Committee of the World Travel & Tourism Council and Vice Chair of the Board of Directors of the U.S. Green Building Council, New Jersey Chapter. She is also a member of the International Tourism Partnership organization where she has participated in setting industry standards like the Hotel Carbon Metric Initiative. Faith holds an MBA from the Wharton Business School of the University of Pennsylvania and a B.A. from Stanford University.

(Alphabetical Order)

WILL TEICHMAN, Director of Sustainability, Kimco Realty Corporation

Will Teichman is Director of Sustainability at Kimco Realty Corporation, the largest owner of neighborhood and community shopping centers in the United States. He leads the development, implementation, and communication of the company's initiatives aimed at improving the environmental and economic performance of Kimco's shopping centers. Will has an MBA from the Darden Graduate School of Business Administration at the University of Virginia and a B.A. in Economics and Politics with a certificate in Environmental Studies from Washington and Lee University.

GREG THOMAS, CEO, Performance Systems Development

Gregory Thomas is CEO of Performance Systems Development. He has thirty years of experience in building performance as a consultant, trainer, heating contractor, home performance contractor, director of an energy service company, and energy and green building conference planner, as well as an energy program designer, implementer, and energy software developer. He is past president of Affordable Comfort Inc., the residential existing homes energy efficiency conference, and served on the Affordable Comfort board for more than fifteen years. He currently chairs Efficiency First, the home performance contractor trade association. He was the founder of the Building Performance Contractors Association of New York.

MARISSA THORNE, Property Manager, Brookfield Office Properties

Marissa Thorne is a Property Manager with Brookfield and has eight years of property management experience, working with properties ranging from neighborhood shopping centers to Class A office buildings. Marissa is currently managing Silver Spring Metro Plaza in Downtown Silver Spring, where she and her team have taken innovative approaches to operate a sustainable property, becoming LEED Gold, maintaining a seventy-eight percent waste diversion rate and applying for Green Garage.

CLAUDIA TIGHE, Program Manager for CHP Deployment Program, DOE

Claudia Tighe is the Program Manager for DOE's Combined Heat and Power (CHP) deployment program. In this capacity, she manages a national technical assistance program that educates policymakers and other stakeholders on the value of CHP, offers best practice considerations for policies and practices that are conducive to siting CHP, and provides site-specific technical assistance to install CHP via seven regional CHP Technical Assistance Partnerships. She is an economist with over twenty years of energy industry experience working with electric and gas utilities as well as Federal, State, and local government agencies on both supply-side and demand-side issues relating to residential, commercial and industrial energy markets.

BRAD TITO, Director of Sustainability, City of Yonkers, NY

As Director of Sustainability for the City of Yonkers, NY, Brad Tito works the city government and community stakeholders to save energy and improve the environment. His projects are expected to save taxpayers twenty million dollars in energy costs over ten years and include the Yonkers Energy Plan, a comprehensive LED streetlight replacement project, and mandatory green building standards. Prior to working for Yonkers, Brad served as the Director of Environmental Coordination for Nassau County, NY, where he worked for five years developing and executing a broad range of environmental and health initiatives. Brad holds a Master's degree in Urban Policy Analysis and Management from the New School University and a Bachelor's degree in Sustainable Development from Prescott College in Arizona.

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CAROL TOBIAN, Business Development Manager - Mid-Atlantic, National Resource Management

Carol Tobian is a Business Development Manager with National Resource Management, Inc. (NRM) and leads all aspects of business development in New Jersey, Maryland and Pennsylvania. NRM serves its utility and energy services company partners by delivering a full turn-key refrigeration energy efficiency service offering to its client and the end-use electric business customer. Carol has nearly fifteen years of clean-tech energy industry including commercial and industrial energy efficiency program management, demand response, and merchant transmission system development in the wholesale energy market. Carol holds a Bachelor of Arts in Economics from Pacific Lutheran University.

MARTA TOMIC, Clean Energy Program Manager, Maryland Energy Administration

Marta Tomic is the Maryland Energy Administration's (MEA) Solar & Geothermal Clean Energy Program Manager. Marta manages and sets incentive levels for MEA's Clean Energy Grant Program that fund residential and commercial scale solar photovoltaic, solar thermal, and geothermal heating and cooling systems. She also co-manages the Game Changer Program and is working to streamline permitting across Maryland's jurisdictions. Marta is currently pursuing a M.S. in Energy Policy and Climate at Johns Hopkins University and obtained her Bachelor's degree in Biology from the University of Virginia, with a specialization in Environmental and Biological Conservation.

DREW TORBIN, Vice President of Energy, Prologis

Drew Torbin is Vice President of Energy for Prologis, a leading global provider of distribution facilities. He founded the renewable energy group in late 2008 after spending two years focused on a variety of corporate responsibility initiatives. Since that time, the group has developed more than one hundred twenty megawatts of distributed solar projects across North America, Europe and Asia. Drew is a graduate of the National Renewable Energy Laboratory's Energy Executive Leadership Program and serves on the Colorado New Energy Improvement District Board, the Real Estate Roundtable's Sustainability Advisory Committee, as well as the Advisory Board of Blue Oak Energy.

Drew received his MBA with a concentration in Finance from the University of Pittsburgh and his B.S. from the University of Colorado at Boulder.

PAUL TORCELLINI, Principal Engineer for Commercial Buildings Research, National Renewable Energy Laboratory

Paul Torcellini is a Principal Engineer for Commercial Buildings Research at the National Renewable Energy Laboratory (NREL), a DOE national laboratory. He is also on the faculty at Eastern Connecticut State University, teaching sustainable energy courses. At NREL, he has been the group manager for the Commercial Buildings Research team. He also spent three years as a technical advisor to DOE in Washington, D.C. Paul was an instrumental part of the process to achieve the Zero Energy Building status for NREL's Research Support Facility. He has been key in the development of the Advanced Energy Design Guide series from ASHRAE and has chaired two of the guides for K-12 schools and grocery stores. He has been at NREL for twenty years, is a registered Professional Engineer, and holds a PhD from Purdue University.

KIM VAGHER, Manager of City Facilities, City of Arvada, CO

Kim Vagher is Manager of City Facilities with the City of Arvada, CO and has been managing facilities for more than fifteen years. He started his career with the City of Arvada Public Works, Facilities Division just over a year ago. Prior to this position, Kim was the Executive Director of Atlanta Airlines Terminal Corporation, where he oversaw the facilities operation and maintenance of the Atlanta Airport, encompassing more than six million square feet of space. In early 2007, Kim took the lead in developing sustainable initiatives at the airport that included energy management, HVAC system replacement, water conservation, material recycling, and green cleaning.

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MARIA TIKOFF VARGAS, Director - Better Buildings Challenge and Senior Program Advisor, DOE

Maria Vargas is the Director of the Better Buildings Challenge at DOE. She also serves as a Senior Program Advisor in the Office of Energy Efficiency and Renewable Energy at DOE. Prior to her work at DOE, Maria was the Brand Manager for the ENERGY STAR program for more than fifteen years while at the EPA. She has been involved in policy work on the issues of ozone depletion, global climate change, and related environmental and energy issues since 1985. Maria received a Bachelor's degree from Swarthmore College in Political Science and Economics and a Master's degree from the University of Oregon in Public Affairs and Urban and Regional Planning.

KEVIN VAUGHN, Program Director - Federal Energy Solutions, Schneider Electric

Kevin Vaughn is the Program Director for Schneider Electric's Federal Energy Solutions business. In this capacity, he leads the business development and implementation of Schneider Electric's Federal Energy Savings Performance Contracting (ESPC) program. He has led project delivery teams for more than ten Federal ESPC projects, including the 100% Net Zero ESPC project for a General Services Administration federal office building in St Croix, U.S.V.I. Kevin has more than twenty-five years of energy-related experience, including engineering, construction management and sales management. He has degrees in Physics from DePauw University and Mechanical Engineering from N.C. State University, as well as an MBA in Finance and Marketing from the University of Chicago.

MAXIME VERSTRAETE, Vice President - Sustainability ADA Compliance, Hilton Worldwide

Maxime Verstraete is a Vice President at Hilton Worldwide and is a ten year veteran of the company. He oversees sustainability and Americans with Disabilities Act (ADA) compliance and is based out of the company's headquarters in McLean, VA. A career highlight for Maxime was being responsible for compliance with the ADA Consent Decree with the U.S. Department of Justice, and more recently, sitting on the Board of Directors of the Global Soap Project. His specialties include coordination of all hospitality

aspects for large and small conventions, supervising team operations, and ensuring successful execution of brand standards and initiatives.

KRISTINE VEY, Senior Project Manager - Facilities Planning and Construction, University of Virginia

Kristine Vey has worked at the University of Virginia (UVA) for fourteen years as a Project Manager. In this role, she has successfully managed more than one hundred interior renovation projects. Prior to joining UVA, she worked in manufacturing as an industrial engineer focused on process improvements. She has been directly involved in helping the University achieve LEED certification on several projects. Kristine also serves on multiple sustainability councils within UVA and is an adjunct faculty member teaching a course titled "Fundamentals of Project Management" to graduate students.

EDWARD A. VINEYARD, Director - Building Technologies Research and Integration Center, Oak Ridge National Laboratory

Edward Vineyard is a Director at Oak Ridge National Laboratory leading the strategic planning and management of programs that significantly improve the energy efficiency of residential and commercial refrigeration, space conditioning, appliances, water heating, and whole building energy systems. Prior to this role, he performed research to develop high efficiency residential and commercial HVAC equipment and appliances, evaluated compounds to replace ozone - depleting refrigerants in common use, developed design improvements for desiccant dehumidification systems, tested advanced distribution systems, and investigated advanced heat exchanger designs.

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SCOTT WAGNER, Benchmarking Specialist and Building Energy Data Manager, Consortium for Building Energy Innovation at Penn State University

Scott Wagner currently works as a Benchmarking Specialist and Building Energy Data Manager for Penn State University's Consortium for Building Energy Innovation (CBEI), where he helps support municipalities develop and run energy benchmarking programs. He has been involved in the energy efficiency field for more than twenty-six years. During this period of time, he has worked for consulting firms, utilities and non-profits and has been involved in the development of utility demand side management programs, LEED for Homes programs, and utility rebate administration. His experience in the energy efficiency field includes the development of utility demand side management programs, working as an energy code inspector for new and rehabbed buildings, to procuring rebates from hundreds of utilities.

MARIANNE C. WALCK, Vice President, Sandia National Laboratories

Marianne C. Walck is Vice President of Sandia's California laboratory and serves as lead for the Laboratories' Energy and Climate business unit. She is also the Associate Director for the Center for Frontiers of Energy Security, a DOE Energy Frontier Research Center. Marianne has more than twenty four years of technical management experience. Prior to moving to Sandia's California laboratory, she was the Director of the Geoscience, Climate, and Consequence Effects Center and the Program Director for Sandia's Climate & Environment Program. She holds memberships in the American Geophysical Union, the Seismological Society of America, the Association for Women Geoscientists, and the American Nuclear Society. Marianne earned her Ph.D. and M.S. in geophysics from The California Institute of Technology and an A.B. in geology/physics from Hope College.

JOHN WALLACE, Director of Innovation - Retail Solutions, Emerson Climate Technologies

John Wallace is Director of Innovation-Retail Solutions at Emerson Climate Technologies. He has been active in the design and development of electronic control systems for more than twenty years and holds several patents related to HVAC/R control systems. He has served on many industry committees including the Lonmark Refrigeration

committee and the DOE Better Building Alliance, and he currently chairs the North American Food Equipment Manufacturers Data Protocol standardization committee. John graduated from the University of Kentucky with a Bachelor's degree in Electrical Engineering and from the University of Missouri with a Master's degree in Electrical Engineering.

BRENNA WALRAVEN, President and CEO, Corporate Sustainability Strategies, Inc.

Brenna Walraven, Founder & CEO of Corporate Sustainability Strategies, Inc., has worked in commercial real estate for over twenty-eight years leading the sustainability and operations execution for organizations such as USAA Real Estate Company. Her efforts have led client firms to thirteen ENERGY STAR Partner of the Year recognitions, four years of Global Real Estate Sustainability Benchmark (GRESB) "Green Star" and top five performance saving over twenty - two million dollars. Brenna was the first woman chairman and chief elected officer for The Building Owners and Managers Association International. She has an MBA in Finance, with an emphasis in real estate and an undergraduate degree in Economics.

BRIAN WALSER, Workplace - Portfolio Energy and Sustainability Director, Bank of America

Brian Walser is currently the Energy and Sustainability Director for Bank of America's facilities. Since 2006, Brian has led the bank to save over three hundred million dollars and delivered a carbon reduction of more than eighteen percent in 2009, almost double the bank's public commitment. He is currently leading initiatives to achieve a fifteen percent reduction by 2015 over a 2010 baseline. In 2013, Brian became responsible for the bank's other facility related sustainability goals, including a twenty percent water reduction, the LEED certification of twenty percent of the banks occupied square feet, and the diversion of seventy percent of the banks waste away from landfills.

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GREGORY S. WALTHERS, Energy Advisor,
Franklin Energy Services, LLC

Gregory Walthers works as an Energy Advisor for Franklin Energy Services, LLC, implementing energy efficiency programs for utility clients. He has as provided consulting services in more than twenty-five states and provinces throughout the United States and Canada. His current focus is on the end-use customers of the commercial and industrial sector in the Peoples Gas and North Shore Gas service territories of the Chicagoland area. He works hand in hand with a range of end-use industries, including chemical, aggregate/asphalt, food, paper, pharmaceuticals, and metals. He is a member of the National Fire Protection Association and holds a Bachelor's degree from Indiana University.

DAN WALWORTH, Vice President of Operational Planning, HEI Hotels & Resorts

Dan Walworth is Vice President of Operational Planning at HEI Hotels and Resorts and has spent nearly twenty years developing and implementing innovative processes, tools, and systems across multiple industries. These industries include financial services, healthcare, software development, wireless technologies, and ultimately hospitality, where he has worked for the past decade. Most recently before joining HEI Hotels, Dan served as Director of Strategic Planning for a national private residence club. He began his career as a process and technology consultant at Accenture before receiving his MBA from the Kellogg School of Management at Northwestern University. Dan also holds a B.S. in Applied Mathematics from Yale University.

JESSE WARREN, Sustainability Program Manager for Buildings and Operations, University of Virginia

Jesse Warren is the Sustainability Program Manager for Buildings and Operations at the University of Virginia (UVA). He is responsible for the University's recycling, electric demand response, and building sustainability programs and leads a team of energy engineers who identify and implement energy efficiency and Delta Force projects. The Delta Force program is a green revolving fund that finances building energy conservation and retrocommissioning projects. Jesse also leads UVA Recycling and provides

strategic direction for solid waste handling and other sustainability-related activities. Previously, Jesse worked as a consultant for energy conservation, HVAC design, energy modeling and LEED project coordination. He is a licensed mechanical engineer in the state of Virginia has a B.S. in Mechanical Engineering from Virginia Tech.

PAUL WESSEL, Executive Director, Green Parking Council

Paul Wessel is the Executive Director leading the Green Parking Council (GPC), a national 501(c)(3) organization fostering green parking practices through certification and credentialing programs, open - sourced standards, professional leadership and educational development. Paul led the 2014 launch of the GPC's Green Garage Certification program and has developed partnerships with the Building Owners and Managers Association, the International Facilities Management Association, DOE, and the U.S. Green Building Council to further the mission of high - performance parking. Paul was previously Deputy Economic Development Administrator and Director of Traffic & Parking for the City of New Haven, CT. He has a B.A. in History from Wesleyan University and an M.S. in Urban Policy Analysis and Management from the Milano School of International Affairs, Management, and Urban Policy, The New School.

NICHOLAS WHITCOMBE, Managing Director, New York Green Bank

Nicholas Whitcombe is a Managing Director overseeing investments for the New York Green Bank (NY Green Bank). Prior to joining NY Green Bank in 2014, he was a senior member of the Loan Programs Office at DOE. Nicholas also served as Program Director for the Advanced Technology Vehicle Manufacturing loan program. Prior to joining DOE, he was a member of the energy lending teams at Jefferies and CIT. He brings more than twenty years of capital markets and credit experience in project and corporate transactions with a wide range of energy borrowers. Nicholas holds a B.S. from Cornell University and an MBA from Vanderbilt University.

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ANNE WHITE, Program Coordinator - Sustainability Services, Transwestern

Anne White is Program Coordinator for Transwestern's Sustainability Services. She develops program and promotional materials for Transwestern Sustainability Services and creates outreach and educational materials on sustainability and LEED certification for both Transwestern staff and tenants in commercial buildings undergoing LEED certification. She oversees Transwestern's master ENERGY STAR Portfolio Manager account and acts as the single point of contact for Transwestern's engineers and managers using ENERGY STAR Portfolio Manager. Anne manages Transwestern's participation in the DOE Better Buildings Challenge for both Transwestern's energy and water reduction commitments. She also works as project leader and analyst on LEED for Existing Buildings: Operations and Maintenance Volume projects for Transwestern-managed properties.

KYLE WILKES, Engineering and Energy Director, JCPenney

Kyle Wilkes is the Engineering and Energy Director for JCPenney and has worked there for eight years. Currently, he is the Chairman for the Better Building Alliance Retail, Food Service, and Grocery Steering Committee and is a Retail Industry Leaders Association Management Leaders Council member. He received a B.S. in Mechanical Engineering from the University of New Mexico and M.S. in Mechanical Engineering from University of Texas at Arlington.

LINDSAY WILKINSON, Manager, Corporate Responsibility – Environmental Sustainability, InterContinental Hotels Group

Lindsay Wilkinson is Manager of Corporate Responsibility in Environmental Sustainability for InterContinental Hotels Group (IHG), based in Atlanta, GA. Lindsay aids in the planning and execution of IHG's global sustainability strategy for the company's more than four thousand seven hundred hotels worldwide. She has worked on large scale projects including the launch of the IHG Green Engage™ system (IHG's online sustainability platform), the support of sustainability integration into IHG's Sales function, and management of key external relationships. Prior to her time at IHG, Lindsay held multiple operational management

positions within the hospitality industry. Lindsay earned a B.A. in Music Performance at New York University and earned an MBA at the Goizueta Business School at Emory University.

WADE WILLATT, Facility Manager, Schneider Electric

Wade Willatt is currently the Facility Manager at the Schneider Electric campus in Clovis, CA. Clovis is one the largest facilities for Schneider Electric Global. Wade is a key driver in energy management, supplier governance, and facility maintenance. He has been with Schneider Electric for five years and was previously a Senior Project Engineer with responsibility for performing energy analysis on various mechanical systems and processes in the industry. Wade has expert knowledge in ISO 50001 and Superior Energy Performance (SEP) program Certification as a Certified Practitioner in Energy Management Systems and SEP Performance Verifier. These skills have provided the necessary project management and technical expertise to implement ISO 50001 and the SEP program in eleven Schneider Electric facilities across North America.

KELLIE WILLIAMS, Senior Manager of Energy and Sustainability, Houston Independent School District

Kellie Williams is the Senior Manager of Energy and Sustainability for the Houston Independent School District (Houston ISD). Kellie worked as a design engineer before transitioning into the energy industry. During her three years as Energy Manager at Fort Bend Independent School District, she served on the Texas Energy Manager Association's state board and earned ENERGY STAR recognition for reducing energy by 20% or more within one year at multiple sites. Kellie is currently developing Houston ISD's energy master plan to aggressively reduce their energy consumption and carbon footprint. Kellie earned her Bachelor's degree in Mechanical Engineering from the University of Texas at San Antonio.

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ZACH WILSON, Managing Partner, New City Energy

Zach Wilson is a Managing Partner at New City Energy and is an energy data entrepreneur focused on reducing energy consumption and improving the sustainability and performance of building portfolios. He is a Program Manager at the District of Columbia Department of General Services and runs energy efficiency and renewable energy initiatives for New City Energy. In this role he was instrumental in creating the first Green Button Connect web-service and the first large scale, public display of fifteen -minute-interval data. Zach has over a decade of experience designing and implementing custom software, communications, and data management innovations, and led the clean tech and innovation practices for CM2 Limited prior to New City Energy. He also cofounded an open data portal, interactive 3D mapping, and data visualization software company, UWorld, Inc.

MICHAEL WINKA, Senior Policy Advisor, New Jersey Board of Public Utilities

Mike is the Senior Policy Advisor to New Jersey Board of Public Utilities President Mroz on clean energy issues, including the development of a system of Combined Heat and Power facilities/microgrids for storm response and emergency preparedness, and smart grid/distribution automation. Mike was the Board of Public Utilities lead for development of the New Jersey Energy Resiliency Bank (NJ -ERB). The NJ-ERB's mission is to help develop energy resilience for New Jersey's critical facilities through financing of distributed energy generation-microgrid projects.

PHIL WIRDZEK, Executive Director, International Institute for Sustainable Laboratories

Phil Wirdzek is the Founding President and Executive Director of the International Institute for Sustainable Laboratories and was responsible for creating the Labs21 program of EPA and DOE. An industrial microbiologist, Phil worked at EPA as an environmental scientist then facility manager for EPA headquarters. Phil was appointed EPA's national energy manager, becoming the agency's senior sustainable policy analyst.

JETTA WONG, Acting Director - Office of Technology Transitions, DOE

Jetta Wong is the Acting Director of the DOE Office of Technology Transitions. She joined DOE in July of 2012. Before joining DOE, Jetta worked for the United States House of Representatives' Committee on Science, Space, and Technology, where she worked on energy and environment policy issues related to civilian research, development, and demonstration programs. Specific areas of focus included smart grid technologies, bioenergy, marine and hydrokinetic energy, hydropower, geothermal energy, building technologies, and industrial energy efficiency technologies. Jetta's career in energy started in Uzbekistan where she was a natural resources consultant on an anaerobic digestion development project. She holds a Master of Professional Studies degree in Legislative Affairs from George Washington University and B.S. in Natural Resources and the Environment from the University of Michigan.

CRAIG WRAY, Mechanical Engineer, Lawrence Berkeley National Laboratory

Craig Wray is a Mechanical Engineer at Lawrence Berkeley National Laboratory (LBNL) and has more than thirty years of experience addressing energy, airflow, pollutant transport, and commissioning issues in commercial and residential buildings. At LBNL, he currently focuses on air-handling system experiments, modeling these systems and their interactions with other building components, developing related diagnostic methods, and assessing the benefits and risks of improvements. He also leads the Laboratories Technology Solutions Team for the Better Buildings Alliance. Craig has B.Sc. and M.Sc. degrees in Mechanical Engineering from the University of Manitoba, specializing in heat transfer, fluid flow, and machine design. He is a registered professional engineer in Manitoba and British Columbia.

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JEFF WRIGLEY, Energy Manager - Facilities Management, University of Utah

Jeff Wrigley is Energy Manager for the University of Utah and his primary objective in this role is to reduce energy costs and promote energy efficiency across the campus. Jeff leads a team that analyzes energy usage, identifies energy saving opportunities, and oversees the implementation of energy saving projects. He is a graduate of the University of Utah and has degrees in Electrical Technology, Energy Management, and Architecture.

JAY WROBEL, Manager of Technical Assistance - Advanced Manufacturing Office, DOE

Jay Wrobel is the Manager of Technical Assistance at the DOE Advanced Manufacturing Office, where he oversees major programs that help industry reduce energy use, increase competitiveness, and develop trained workforces. These programs include Better Plants, Industrial Assessment Centers, and Combined Heat and Power Technical Assistance Partnerships. Prior to joining DOE, Jay was the Executive Director of the Midwest Energy Efficiency Alliance. In addition to managing the organization, Jay created the HVAC System Analysis for Verified Efficiency program. He has more than fifteen years of experience in the energy, efficiency and sustainability fields. Jay has a Master's degree in Energy and Environmental Analysis from Boston University and an economics degree from the University of Chicago.

JENNIFER YOUNG, Energy Programs Manager, Southeast Michigan Regional Energy Office

Jennifer Young is an Energy Programs Manager with the Southeast Michigan Regional Energy Office, where she helps cities work together to save energy and money. She has managed dozens of efficiency and renewable projects for communities, including Energy Efficiency and Conservation Block Grants and Michigan Public Service Commission projects. She is helping to lead the Southeast Michigan Street Lighting Consortium, which aims to convert all municipal streetlights to LEDs across metro Detroit by 2020. Prior to joining the Regional Energy Office, Jennifer earned a M.S. from the University of Michigan School of Natural Resources and Environment in Resource Policy and Behavior.

SARAH ZALESKI, Policy Advisor - Weatherization and Intergovernmental Programs Office, DOE

Sarah Zaleski currently serves as a Policy Advisor in DOE's Weatherization and Intergovernmental Programs Office where she leads the local government and energy strategic planning efforts for the Policy and Technical Assistance Team. She previously worked with the Energy Efficiency and Conservation Block Grant program. Before joining DOE in June 2010, Sarah worked for the City of Baltimore, where she helped establish the Office of Sustainability and worked on the creation of the Baltimore Sustainability Plan, the city's original green building requirements, and the Baltimore Neighborhood Energy Challenge. Sarah has a B.S. in Industrial and Labor Relations from Cornell University and Master's degrees in Environmental Management and Public Policy from Duke University.

COREY ZARECKI, Director of Engineering and Operations – Envision®, Gundersen Health System

Corey Zarecki is the Director of Engineering and Operations responsible for the technical engineering support and operations for Gundersen's Envision® program. In this role, he develops and oversees construction for renewable energy projects and manages the daily operations of the Gundersen Envision portfolio. He also identifies new project opportunities, fosters partnerships, and drives operational improvements. Prior to joining Gundersen in 2008, Corey was employed as the director of Customer Satisfaction and Six Sigma for Trane Commercial Systems. Corey received a B.S. in Chemical Engineering from the University of Wisconsin-Madison and holds three patents.

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JILL ZIEGLER, Director of Sustainability and Corporate Responsibility, Forest City Enterprises

Jill Ziegler is Director of Sustainability and Corporate Responsibility at Forest City Enterprises, Inc. Jill's primary focus is advancing Forest City's Corporate Social Responsibility programs, including external reporting, stakeholder engagement, and internal and external communications. Her other responsibilities include managing new development and existing property operational initiatives, such as waste and recycling programs, green procurement, and LEED and green building efforts. She was formerly an environmental analyst at ERG, a mid-size consulting firm in the Washington, D.C., area. She received her B.A. from Miami University and holds a Master's degree in Public Administration/Environmental Science and Public Policy from George Mason University.

BOB ZOGG, Associate Director – Energy Practice, Navigant Consulting

Bob Zogg is an Associate Director in the Energy Practice of Navigant Consulting, Inc. On behalf of DOE, Bob facilitates the Refrigeration Technology Solutions Team under the Better Buildings Alliance. He has over twenty-five years of engineering experience, primarily in commercial and residential energy end use. Bob's expertise includes technology/market assessment of appliances and other building equipment; the evaluation of distributed generation, combined heat and power (including thermally activated cooling) and energy storage systems; and the development/testing of heat-pump water heaters and other specialized vapor-compression cooling/refrigeration equipment. Before joining Navigant, Bob worked at TIAX LLC, Arthur D. Little, Inc., and United Technologies/Carrier Corporation.