

Andrew Brooks

Senior Director, AEA West

Specialization & Expertise

Energy Auditing & Modeling
Specification Development
Program Design
EE Project Management
HVAC/DHW Retrofits

Certifications & Licenses

AEE Certified Energy Manager
CABEC Certified Energy Analyst
Multifamily Green Point Rater
BPI MF Building Analyst
BPI MF Building Operator
BPI Building Analyst
Certified Passive House
Consultant

Publications & Contributions

A Field Study of Wall Furnace Venting & Coincident Exhaust Fan Usage in 16 Northern California Apartments (2016)
LBNL-1006274
Integrating Smart Ceiling Fans and Communicating Thermostats to Provide Energy-Efficient Comfort (2020) CEC-EPC 16-013
Energy Savings in a Manhattan Co-op, 2008 *Home Energy Magazine*;
Multifamily Weatherization Resource Guide (2012), AEA

Contributor:

DOE Standard Work Specifications for Multifamily Buildings; DOE Technical Guidelines for Multifamily Energy Audits; BPI Multifamily Energy Auditing Standard

Presentations:

EPIC Symposium, ACEEE Summer Study, ACEEE Hot Water Forum, PG&E Energy Center Trainer, EEFA/NEHAB, Housing California, ACI National & Regional Conferences, Multifamily Buildings Conference, National Weatherization Training Conference

Andrew Brooks is the Senior Director of AEA's West Coast Office for the Association for Energy Affordability, Inc. Andrew is responsible for delivery of technical services, program design and implementation, strategic planning, business development, and leads AEA's Research and Demonstration division. Andrew oversees a team of dedicated energy analysts and engineers who are committed to improving building performance and efficiency through applied building science and sound engineering.

Energy Efficiency and Sustainable Building Experience

Andrew has over 15 years of energy and green building project and program management experience with specialized expertise in energy modeling, mechanical system retrofit design, and construction oversight. Andrew has been involved in hundreds of energy audits and has provided services to a variety of clients including utilities, state, local and federal agencies, property owners, management companies, and architectural and engineering firms both in California and New York. He is currently serving as the Principal Investigator on a variety of research and demonstration projects focused on technologies and implementation approaches that will help scale the Zero Net Carbon retrofit industry.

Andrew is a lead instructor and curriculum developer for a variety of AEA's multifamily focused building performance and weatherization training courses, has served on a number of standards development committees including the BPI Standards Technical Committee and the ASHRAE 62.2 Multifamily Working Group.

Andrew spends most of his time these days focused on the issues of building decarbonization and the policy intersections between energy efficiency and the preservation of affordable housing for low income renters. He is a founding member of the California Energy Efficiency for All Coalition and is a board member of the California Building Decarbonization Coalition.

Training Experience

BPI Multifamily Building Analyst (MFBA) – Training and Curriculum Development
BPI Energy Efficiency Building Operator – Training and Curriculum Development
NYS HCR Multifamily Energy Auditor – Training and Curriculum Development
EA-Quip Energy Modeling Training - Training and Curriculum Development
PG&E Training Center – Central Heat Pump Water Heating System Commissioning
Multifamily Combustion Safety Training – Training and Curriculum Development

Education

MS. Energy Management & Advanced Energy Technologies, New York Institute of Technology
BA. Skidmore College