

Passive House & All-Electric Homes Initiative

Workforce development and market transformation

Take Energy Efficiency to a New Level

The Sponsors of Energize Connecticut, in partnership with Connecticut Passive House, have launched a Passive House & All-Electric Homes Initiative to support workforce development and market transformation in the energy efficiency and building construction industries. Our goal is to enhance the skill set of the energy efficiency workforce in Connecticut. You can keep up with the growing demand for high-performance housing and become certified as a Passive House builder, consultant, designer, rater, verifier or tradesperson.

What Is Passive House?

Passive House design focuses on robust insulation and air tightness, high-performing glazing and simplified mechanical systems to achieve significantly lower energy use while creating a comfortable and resilient space for inhabitants.

What Is an All-Electric Home?

All-Electric Homes utilize high-performance heat pump technology for heating, cooling and water heating. They feature super-insulated building envelopes to minimize heat loss, leaks and drafts to maximize energy efficiency. These homes have no on-site fossil fuels.

Educating Professionals—and Evolving the Market

Scaling the Passive House & All-Electric Homes market in Connecticut requires increased awareness among both the design and building communities regarding the stringent requirements of these high-performance homes. This is a critical component of advancing energy efficiency implementation efforts and furthering energy-saving building construction across commercial and residential sectors.

To this end, the Passive House & All-Electric Homes Initiative creates a viable, mature and cost-effective pathway for business partners to invest in workforce training and professional development. A multipronged training approach offered by the Sponsors of Energize CT will minimize, and in many cases eliminate, the cost burden to participants.



Training Channels

Lunch & Learns

Target audience: Architects, builders, contractors, designers, developers, engineers, financing agencies and municipal officials

For developers and general contracting firms that need a high-level introduction to Passive House standards, development costs, project delivery and more

This 1- to 2-hour event is presented at no cost to participants and is Continuing Education Unit (CEU)-eligible for Passive House credentials.

Building Science Workshops

Target audience: Architects, builders, developers, engineers, estimators, general contractors, project teams and subcontractors

Covering building science best practices, quality assurance and more

This half-day training event is offered at no cost to participants and is Continuing Education Unit (CEU)-eligible for Passive House credentials.

Passive House Accreditations

Target audience: Passive House builders, consultants, designers, raters, tradespeople and verifiers

Offer 75% cost reimbursement to participants upon successful completion of certification. Requires submission of reimbursement application on our website link below.

Training time varies based on the training course selected. Limit two participants per company per training course.

We are excited to provide this Passive House Training offer. Our goal is to enhance the skill set of the energy efficiency workforce in Connecticut. You can keep up with the growing demand for high-performance housing and become certified as a Passive House builder, consultant, designer, rater, verifier or tradesperson.

Passive House Training

The examples below highlight an array of Passive House & All-Electric Homes trainings. Learn more by contacting PassiveHouseTrainingCT@icf.com.

Lunch & Learns

Passive House 101: An Introduction to Passive Buildings	Humidity & Moisture Control in Multifamily Passive Houses
Passive House 201: Passive House & All-Electric Homes	Reasons for Switching to All-Electric
Passive House Incentive & Feasibility Study Overview	Heat Pump Design and Installation Best Practices
Internal & Solar Heat Gain in Multi-Family	Passive House Multifamily Case Studies
Passive House Process: The Path to Certification	Next Generation HVAC Solutions: Hybrid VRF Design and Water Loops

Building Science Workshops

Quality Assurance/Quality Control Techniques for Ensuring Success	Cost Estimation for Passive House
The Passive House Affordable Design Manual	Embodied Carbon for Passive House: Tools & Materials
High Performance Ventilation Systems for Homes	Passive House Verification: What To Expect When You're Expecting a Passive House
Heat Pumps Best & Worst Practices: Designing, Installing and Operating Air Sourced Heat Pumps	Passive House Advanced Construction for Builders, Contractors, Trades, Subs and Project Teams
Air Sealing and Insulation for Homes	Air Tightness Testing for Large Buildings
Lessons Learned: Avoiding Common Mistakes for Multifamily Passive House	Passive House for Municipalities

Ready to get started? We are here to help:

1.833.389.1923 • PassiveHouseTrainingCT@icf.com • EnergizeCT.com/Passive-House

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