

A smiling man wearing a blue hard hat and a white shirt is working on a white HVAC unit. He is holding a small white component in his right hand and a screwdriver in his left hand. The background is a bright, clean indoor space with white walls and a window with blinds. The image is overlaid with a dark blue triangle in the top-left corner and a yellow triangle in the bottom-left corner.

High Performance Homes and Material Safety

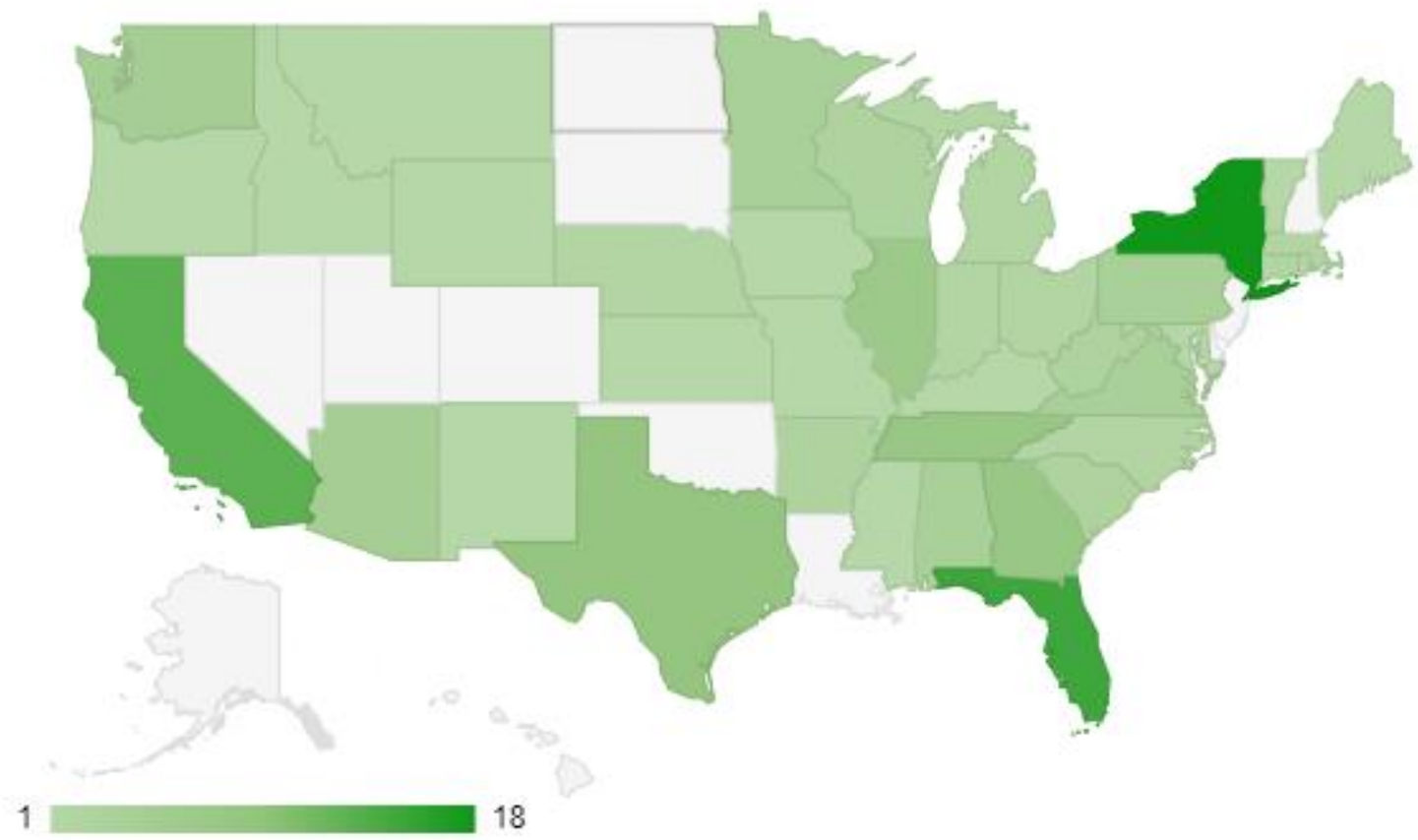
JANUARY 17 | 2-3:30 PM ET | 11 AM-12:30 PM PT

EMPOWERED

SOLUTIONS

WEBINAR SERIES

CleanEnergyClearinghouse.org



IREC builds the foundation for rapid adoption of clean energy and energy efficiency to benefit people, the economy, and our planet.





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Education
Materials for
Professional
Organizations
Working on
Efficiency and
Renewable
Energy
Developments



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Find recording and slides here



EMPOWERED Solutions Webinar Series

- See the full EMPOWERED Solutions webinar series here. (Overview)

Upcoming Webinars:

- (Jan. 17) EMPOWERED Solutions: High Performance Homes and Materials Safety ([Register Here](#))
- (Feb. 21) EMPOWERED Solutions: Residential Building Electrification Pathways ([Register Here](#))
- (Mar. 21) EMPOWERED Solutions: Commercial Building Electrification Pathways ([Register Here](#))

Previous Webinars:

- EMPOWERED Solutions: The Possibilities of EV Charging (Webinar & Resources)
- EMPOWERED Solutions: What Impacts the Safe Installation of Energy Storage Systems (Webinar & Resources)
- EMPOWERED Solutions: Cold Climate Air Source Heat Pumps—Efficacy and Building Readiness (Webinar & Resources)

Solar

- Preparing to Inspect Your First PV System (Article)
- Solar PV Systems: Job Aids for a Consistent Plan Review Process (Downloadable Checklists)
- Efficient and Accurate Validation of PV and Energy Storage System Designs: An Introduction to SolarAPP+ (Article)
- A Checklist for Building Owners Considering Solar Energy (Downloadable Checklist)



CleanEnergyTraining.org




Find CEU-bearing courses here

CEU-BEARING PLAN REVIEW AND PERMITTING FOR SOLAR PV


Register for either or both of these groups of courses to earn a Certificate of Completion that can presented to the CEU-awarding entity. You may also register for individual courses below instead.

Structural Elements: Plan Review & Permitting of Residential Rooftop Solar PV Systems

 **Contains 6 Component(s). Includes Credits**


Practice how to review the review of plan applications for structural-related tasks prior to issuing a building permit.

Electrical Elements: Plan Review & Permitting of Residential Rooftop Solar PV Systems

 **Contains 11 Component(s). Includes Credits**

Learn how to evaluate aspects of the plan prior to issuing an electrical permit for a residential rooftop solar PV system.

Plan Review - Test your knowledge!

 **Contains 3 Component(s)**

Take this 10 question quiz to see how you would evaluate the residential rooftop solar PV plan for compliance.

Today's Program

- Introduction
- Building Science Advisor tool
- SIPs
- Types of efficient building materials and systems
- Intersection of building performance and fire safety
- Answers to FAQs submitted as part of registration
- More Q&A
- Summary & Next Steps

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On to the Program

Summary

- Efficient building materials dramatically reduce energy consumption.
- Efficient building codes can exist with fire safety.
- Every current product used in the building has product safety standards and installation requirements to insure safety
- Existing hazards in buildings, like lead, knob and tube, asbestos pose a higher risk than any new efficient building product.
- High performance products like SIPS can provide efficient, durable, and sustainable building envelopes.
- There is a free online tool to evaluate building envelope efficiency and durability.

Next Steps

1. Visit the CleanEnergyClearinghouse.org for:
 - a. Webinar slides & recording
 - b. 5-15 minute resources

1. Take a CEU-bearing solar and energy storage system plan review or inspection course: CleanEnergyTraining.org

A person wearing a white hard hat is looking at a smart thermostat mounted on a wall. The thermostat screen displays the date 14.06.2010, a house icon with an exclamation mark, the time 13:00, and the temperature 21.5°C. The background is a light-colored wall. There are blue and yellow geometric shapes in the corners of the image.

Residential Building Electrification Pathways

FEBRUARY 21 | 2-3:30 PM ET | 11 AM-12:30 PM PT

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Resources

- Building America Solution Center: basc.pnnl.gov
- Building Science Advisor: bsa-new.ornl.gov
- Better Buildings: betterbuildingsolutioncenter.energy.gov
- Structural Insulated Panel Association (SIPA) SIPS.org

Stay in touch!

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Webinar Series

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