EEBA
Energy & Environmental Building Alliance

Building to the ENERGY STAR NextGen Certification Program

Total Presentation time: 6 hours

This one-day course is focused on building to meet the new ENERGY STAR NextGen Certification Program requirements, which offers an additional level of recognition for homes and apartments. The course will identify how to go above and beyond the core ENERGY STAR Residential New Construction Program requirements and incorporate advanced electric technologies that will help to build a clean energy future.

Throughout the course participants will learn how to optimize the energy reductions offered by practical and cost-effective building enclosure alternatives with appropriate electrically powered space conditioning and hot water heating technologies to ensure both energy and emission savings for new home buyers. This will include a thorough discussion of identifying and selecting properly sized heat pumps, water heating alternatives, electric vehicle provisions and electric cooktop and oven options.

During classroom and hands-on exercises, case studies and equipment demonstrations, participants will be empowered to confidently specify appropriate building materials and matching mechanical systems to build homes that meet all of the technical and administrative requirements of EPA's ENERGY STAR NextGen Certification program.

At the end of the course, participants will be able to:

- Identify the administrative and technical requirements for achieving the ENERGY STAR NextGen Certification program.
- Evaluate and select practical and cost-effective building enclosure systems appropriate for their climate zone and type of construction.
- Understand how to specify and select the critical electro-mechanical component requirements such as properly sized heat pumps, water heaters and electric vehicle capabilities.
- Confidently integrate the NextGen requirements into their design and building process to ensure selected projects can achieve the certification label.
- Confidently promote the clean energy benefits of NextGen labeled homes to prospective clients.