The Building Blocks of Passive House Performance



Speaker



Jay Gentry

- Graduate of UCLA
 Business School
- USAF Instructor Pilot
- Marketing and Sales Consultant
- Passive House California Board of Directors
- Passive House A Workable
 Solution Initiative



Webinar Logistics

- All attendees are in listen only mode
- We will be answering questions after the presentation
- Please send us questions using the Q&A or chat box at any time
- The webinar is being recorded and will be shared after the webinar



SCP's Mission

Sonoma Clean Power is turning the tide on the climate crisis, through bold ideas and practical programs.

- Provide higher percentages of renewable energy and reduce greenhouse gas emissions
- Help solve the climate crisis at a local level
- React and respond to local needs
- Deliver customer programs that make a difference

Sonoma Clean Power Advanced Energy Center

- Explore the future of clean energy for your home.
- Featuring a large demonstration area, you can learn about a variety of options, including induction cooktops and heat pump water heaters.
- Compare products. Learn about benefits. Attend classes—there's even an educational space for kids of all ages.





Now open!

741 4th Street, Santa Rosa www.scpadvancedenergycenter.org

Customer Benefits

- Get specially negotiated discounts on:
 - Heating & Cooling
 - Induction Cooktops
 - Water Heating
- Learn about emerging technologies
- Get connected with certified installers







0% Financing. 100% Easy.

- SCP is offering 0% financing for select energy-efficient technologies.
- Payable through your utility bill!
- Financing of up to \$10,000 is available for residential customers in Sonoma and Mendocino counties.
- To learn more or to get started, please visit scpadvancedenergycenter.org/financing

Sonoma Clean Power Advanced Energy Center













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15















































Building July 2021 – Sonoma Clean Power























































































































60
























Safe and Comfortable for a Single Family



































































Targets & Goals Define Passive House (PHI) Classic Standard (certification) Success in RESET Air (certification) Fitwel (certification) SUSTAINABILITY PROGRAM GOALS wner's Project Requirements **Operations** C-PACE (compliance) p4 Performance Measures (narrative only) The 2030 Challenge (compliance) Integrated Solutions includes: - AIA 2030 District Whole-Building Analytics RESET Air Accredited Data Provider Interrogation-based Commissioning Monitoring-based Commissioning
Single-Pane of Glass for all Operational Networks MEASUREMENT AND VERIFICATION Converged Network, Open-Integration Data Platform and DDC System Optimal Solar Integration COMMUNITY MWDBE Subcontracting Participation MWDBE Tradesperson Participation 25% to MBEs and 10% to WBEs 25% to Minority and 10% to Women Qualitative Health and Development Passive House Tradesperson and Renewables Technologies Workforce Training and Education ENERGY Site EUI 14-20 kBtu/sf/yr Renewables (Photovoltaic Panels) TBD INDOOR AIR QUALITY < 600 ppm Carbon Dioxide (CO2) Humidity Monitored Ozone (O3) < 51 ppb Particulate Matter 2.5 (PM2.5) < 12 µg/m3 Radon < 0.148 Bq/L [4 pCi/L] in the lowest occupied level Temperature Monitored Total Volatile Organic Compound (TVOC) < 0.4 mg/m3 (< 400 µg/m3)

86









































Stay Informed – Get Involved 🔛

- My opinion
 - Response to climate change will dominate the the next several decades
 - This will create expanding opportunities in related industries and within all companies
- Look for opportunities where you can make a living... and a difference



98







Educate Everyone

PH

Do you know of any organizations or groups that might benefit from learning more about Passive House?













































































































134



135







136