

Each subcommittee has common scope elements. To include

- Evaluate each assigned code change proposal for likely energy savings, construction cost, constructability, & integration with other provisions
- Documentation
- Evaluate whether appropriate for base code, glide path, zero energy appendix, or other appendix.
- Flag proposals if impacting a standing working group
- Submit recommendations to the E4C or majority and minority reports if consensus cannot be reached
- Subcommittee *may* alter, augment, or combine related proposals to develop better overall code provisions

1. Envelope and Embodied Energy Subcommittee

- a. Common scope, plus:
- b. Opaque envelope criteria
- c. Fenestration criteria
- d. Envelope air leakage
- e. Embodied energy & GHG emissions of materials
- f. Existing buildings – envelope

Scope approved unanimously by Committee

2. HVACR and Water Heating

- a. Common scope, plus:
- b. HVACR system efficiency & controls
- c. Water heating system efficiency & controls
- d. Pools/Spas
- e. Indoor Air Quality/Pathogen Control; Energy Impacts
- f. Electrification (decarbonization)
- g. Refrigerant GWP
- h. TSPR (HVAC total system performance ratio)
- i. DOAS (dedicated outdoor air system)
- j. Commissioning
- k. Existing buildings – HVACR

Scope approved unanimously by Committee

3. Electrical Power, Lighting and Renewables

- a. Common scope, plus:
- b. Lighting LPA
- c. Lighting controls
- d. Power Equipment & Systems (Controlled receptacles, Transformers, Motors, etc)
- e. Commercial Kitchen Cooking Appliances
- f. Vertical/Horizontal Transportation
- g. Electric Vehicle Charging
- h. Data centers
- i. PV & other renewables
- j. Automated Demand Response/Energy Storage

- k. Metering, Monitoring, Management
- l. Commissioning – Lighting, Electrical/Renewable
- m. Existing buildings – lighting

Scope approved unanimously

- 4. Modeling, Whole Building Metrics, Zero Energy
 - a. Common scope, plus:
 - b. Energy modeling system (C407, ASHRAE Appendix G, etc.)
 - c. Changes to modeling rules
 - d. Metrics (i.e. cost, GHG)
 - e. Electrification
 - f. Additional energy efficiency credits
 - g. Glide path to 2030
 - h. Zero (net) energy appendix – the “Zero Code” or other
 - i. Existing buildings – general

Scope approved unanimously

- 5. Work Group Approval-Cost of Construction & Life Cycle Cost
 - a. Select methodology (DOE, ASHRAE, other)
 - b. Establish time frame, discount rate, energy rates, etc.
 - c. Create a system that works for all proposals
 - d. Decide how to consider social cost of carbon & carbon equivalents, embodied carbon/energy and other co-benefits
 - e. Consider “learning curve effect”