



# Zero Net Carbon Design

Presented Online  
12:00 PM - 1:15 PM

## 5/23 Session 1:

[Targeting Zero Net Carbon Design](#)

## 6/20 Session 2:

[Energy Performance for Zero Net Carbon Operations](#)

## 7/18 Session 3:

[Addressing the Energy-Water Nexus](#)

## 8/31 Session 4:

[Reducing Embodied Carbon](#)

## 9/19 Session 5:

[Regenerative Design in Practice](#)

**Attendance is Free**

Provided through 3C-REN  
funded by rate payer dollars



This course is centered around Zero Net Carbon Design (ZNCD), beginning with background and an overview of carbon in the building industry, then focused content on energy performance and renewable energy, water-savings as energy-savings, embodied carbon and finally regenerative design.

Spread over five afternoon sessions, 1 hour each, the course has been developed to fulfill the new California requirement for architects to have five hours of ZNCD education as part of their license renewal. Although created with architects in mind, the content is broadly applicable across the building industry.

Learning objectives (over the 5 hours of learning)

- Understand zero net carbon, the fuel mix of the power grid and other factors that influence California's energy code
- Differentiate between operational and embodied carbon, and identify key metrics and mitigations
- Be able to describe the energy-water nexus and compare water saving strategies
- Review Environmental Product Declarations (EPDs) and tools for evaluating embodied carbon
- Be able to differentiate between regenerative and sustainable design strategies and available standards and certifications

Presenters Include

Jennifer Rennick  
AIA, Certified Energy Analyst

Andy Pease  
AIA, LEED AP BD+C

Michelle Zimney  
LEED AP BD+C, LFA, CPHC

**5 AIA HSW/CA ZNCD Learning Units**