

## **Panel 10: New Construction: From Codes to Net Zero**

This panel will explore how innovative and aggressive new construction codes, policy and utility programs, along with market-led design and technology initiatives play a vital role in decarbonizing the built environment. The new construction market presents a unique opportunity to shape the building stock of the future and change the paradigm towards net zero energy and carbon impacts. National and international case studies that showcase innovation and approaches in this arena are especially valuable. The panel will address three primary topic areas:

### **Codes, policy, and regulation:**

- \*Encourage building electrification; \*City leadership and industry-driven commitments that accelerate net zero buildings; \*Connecting transportation and vehicle electrification with the built environment; \*Community-scale new construction approaches

### **Innovative utility programs:**

- \*Performance-based new construction and advanced M&V approaches; \*Delivery mechanisms of next generation utility new construction programs; \*Programs that address affordable housing, equity and environmental justice; \*Residential electrification pilot program including smart homes that harness connected devices to shape energy use profiles

### **Building design, strategies, technologies:**

- \*Emerging technologies including the enabling of grid flexibility; \*Financing innovations and mechanisms; \*Advanced energy design guides; \*Advances in energy modeling, conceptual modeling and integrating future climate analysis with modeling; \*passive house design strategies including commercial and multifamily sectors; \*Behavioral solutions to address institutional and cultural barriers; \*Passive house design strategies including commercial and multifamily sectors