



# BUILDING CODES: DRIVING GROWTH THROUGH INNOVATION, RESILIENCE AND SAFETY

## RESILIENCE IN THE BUILDING CODES

Creating a resilient nation requires diligent planning and innovative thinking. Incorporating new technologies in current building practices to achieve higher resiliency is exciting but can be expensive. Thankfully, effectively utilizing current codes and standards throughout all phases of the building's lifecycle increases the efficacy of new building technologies and offers a cost effective path toward community stability during times of disaster. Resilience starts with strong, regularly updated, and properly implemented building codes.



### PLANNING

#### Creating a Sustainable Community

- Provisions in the I-Codes include sustainability measures for the entire construction project and its site making buildings more efficient and less economically and environmentally wasteful.
- Building sustainably has effects that go beyond the walls and into the community – for example, car charging stations make it easier to own eco-friendly vehicles and smart grid demand response systems lower energy prices for the consumer and increase grid stability for the surrounding area.

### RESPONSE

#### Ensuring Mental & Physical Health and Wellbeing

- Provisions in the I-Codes address mental and physical health and well-being from dealing with sanitation and pest control to designing buildings that respond to the latest science on mood and mental health.

[www.iccsafe.org](http://www.iccsafe.org)

### RECOVERY

#### Efficient Disaster Mitigation & Recovery

- Provisions in the I-Codes address disaster preparedness and recovery – from how and where to build in flood plains to constructing buildings that can better withstand natural and manmade disasters.
- Codes are cost-effective, too. A study for FEMA done by the National Institute of Building Sciences' Multihazard Mitigation Council showed that for every dollar spent on mitigation efforts like adopting current codes, four dollars were saved in post-disaster relief costs.

### RESILIENCE

#### Improving Building Life Cycles

- Provisions in the I-Codes enable changes to the systems inside the building or even the structure itself at some point after its initial construction and occupation including repair, alteration, change of occupancy, addition to and relocation of existing buildings.
- As communities change, so do the buildings they use. Updated codes allow buildings to adapt, keeping a sense of continuity while also reducing blight from outdated, unused buildings.