Cutting Edge Resiliency in Cohousing
Importance of buildings in becoming resilient

Justin Southwick, LEED AP
Nashville, TN
IMPACTS OF U.S. BUILDINGS ON RESOURCES

- 40% primary energy use*
- 72% electricity consumption*
- 39% CO₂ emissions*
- 13.6% potable water consumption**

Sources:
Green Buildings Can Reduce...

#1 Owner Commitment and Engagement

**Benefit:** Shared intention and guidelines to reduce impacts

**Tools:**
- Owner’s Project Requirements
- Sustainable Basis of Design
Cutting Edge Resiliency Through Buildings

#2 Integrated Design
Benefit: Negate short term premium, Achieve long term savings
Tools:
• Charrette
• Building Science & Modeling
Cutting Edge Resiliency Through Buildings

#3 Verification

**Benefit:** Actions speak louder than words

**Tools:**
- Sustainable Specifications (materials, third-party standards)
- Performance Testing (envelope & duct leakage, fresh air, exhaust)
Cutting Edge Resiliency Through Buildings

Will resiliency through building be enough?

- Avoid meat and dairy?
- Drive a hybrid vehicle?
- Make the best of 1980’s stuff?
- Recycle everything?
- Minimal plane trips annually?
- Save energy and offset the rest?

Buildings are first step of many needed