

## Zero Energy and Zero Carbon

- Building policy increasingly driven by Carbon Policy
- Definitions of ZE and ZC – finding consistency and accuracy
- Certifications and verifications for ZE and ZC buildings
- Carbon as a motivator - international/global, national, state/province, local and between private/government

## NBI: Three Pathways to “Zero” Codes

Zero Energy Construction Code: This is an energy code strategy where projects are required to demonstrate that submitted building plans are designed to achieve a zero energy outcome

Zero Energy Outcome Code: This is a building energy policy requiring buildings to demonstrate net zero energy use based on measured building performance outcome.

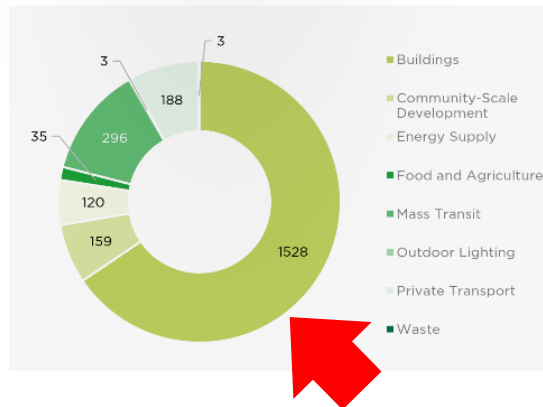
Zero Carbon Code: There are two facets focused on the reduction of carbon emissions.

- a) Phase-out of building-level combustion
- b) Move from energy cost/site/source metrics to GHG emission metrics

# Arup: Potential for Climate Action

● **450 MtCO<sub>2</sub>e**  
could be saved by 2020  
if the highest priority  
actions were implemented.

Figure 2.04. Sector breakdown of first priority actions.



## A group representing \$6.2 trillion of the US economy says they're 'still in' the Paris climate agreement

