De-fossilizing energy in California
California GHG Emissions

*Source: California Air Resources Board GHG Emissions Inventory, 2015*
Average Increase in LA Temperature, 2041-2060

- Coastal areas: 3 - 4°F
- San Fernando & San Gabriel Valleys: 4 - 4.5°F
- Mountains and Deserts: 4.5 - 5.5°F
Extreme heat will affect…

- Air quality
- Food supply
- Energy demand and supply too
- Roads and rails
- Property values
- Water evaporation: vegetation, habitat, water supply
Zooming in: Wildfires and Mudslides

• Climate studies suggest that areas burned by Santa Ana fires will increase by 64% by mid-century
• Non-Santa Ana fires will increase by 77% by mid-century
Zooming in: Wildfires and Mudslides

Montecito Mudslides, 2018

Source: Google Earth/Ventura County Air Unit/Zumapress
Zooming in: Sea Level Rise
Santa Monica Sea Level Rise Projections by 2100
(in feet)

Likely Range

1-in-20 Chance

1-in-200 Chance

H++ Scenario

Sea Level Rise Projections (in feet)

Low Emissions

High Emissions

Source: California Ocean Protection Council
100% fossil free energy

ASAP
Why Cool Roofs?
LA’s Cool Roof Ordinance

Climate Resolve won the policy to ensure that every new and refurbished rooftop in the City of Los Angeles is a cool roof.
LA’s Cool Roof Ordinance

• Cool roof coating in various colors (not just white!)
• 18,000+ homes by May 2018