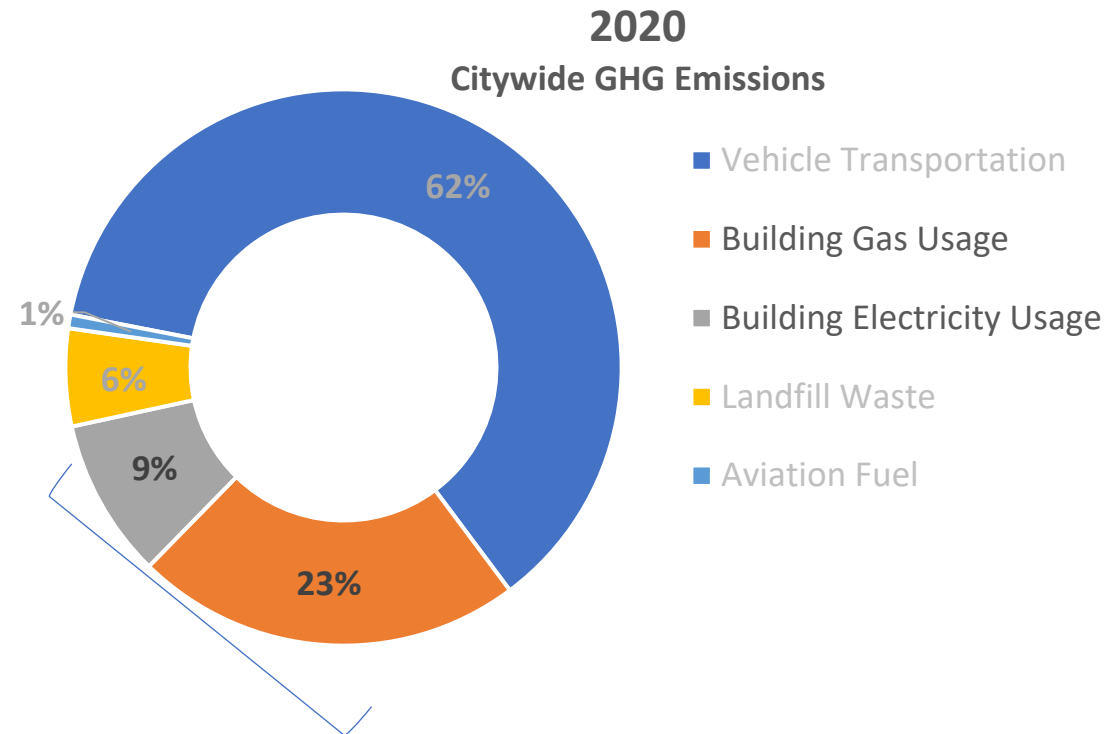




# Santa Monica's Framework for Decommissioning

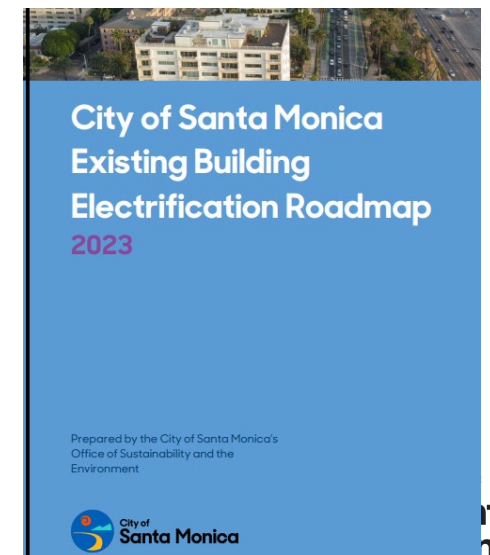
# Santa Monica Emissions

- Buildings = 32% of GHG emissions
  - Natural gas burned in buildings is responsible for 23% of emissions (23.5M therms)
- Clean electricity - Clean Power Alliance (CPA): 96% of customers on 100% clean power rate
- ***Next task = reduce emissions from existing buildings***



# Building Decarbonization Framework

- Climate Action & Adaption Plan Goals:
  - Carbon neutrality by 2050 or sooner
  - 80% GHG reductions x 2030
    - Zero Emission Building Code – effective Jan. 1, 2023
    - Reduce fossil fuel use in existing buildings 20% by 2030
      - Existing Buildings: Electrification Roadmap
        - Benchmarking
        - Building Performance Standards
      - **Natural Gas Decommissioning Pilot**



# Natural Decommissioning Pilot

- RAND partnership and CEC proposal support
- CEC pilot goal: Develop a framework to identify where natural gas decommissioning in Southern California will:
  - (1) serve the interests of affected communities
  - (2) lead to net economic and societal benefits
  - (3) be plausible under a wide range of possible future conditions.
- Community Stakeholder Workshop
  - Breakout groups by parts of the city
  - Site selection criteria - RAND assessment tool
    - Pollution burden/disadvantaged community designation
    - Age of housing stock
    - Gas pipe line diameter (cheaper to decommission smaller end pipes)
    - Household income

# Community Workshop Takeaways

- Key considerations
  - Equity
  - Replicability
  - Energy cost burden
  - Resiliency – backup power
  - Capital vs. ongoing costs
  - Resident experience of shifting to electrification
- 3 project sites selected
  - A 90-unit apartment complex near to the freeway, Community Corp Santa Monica
  - A 60-unit building that was constructed in 1960, CCSM
  - A smaller building that is a newer construction, also near the freeway

