



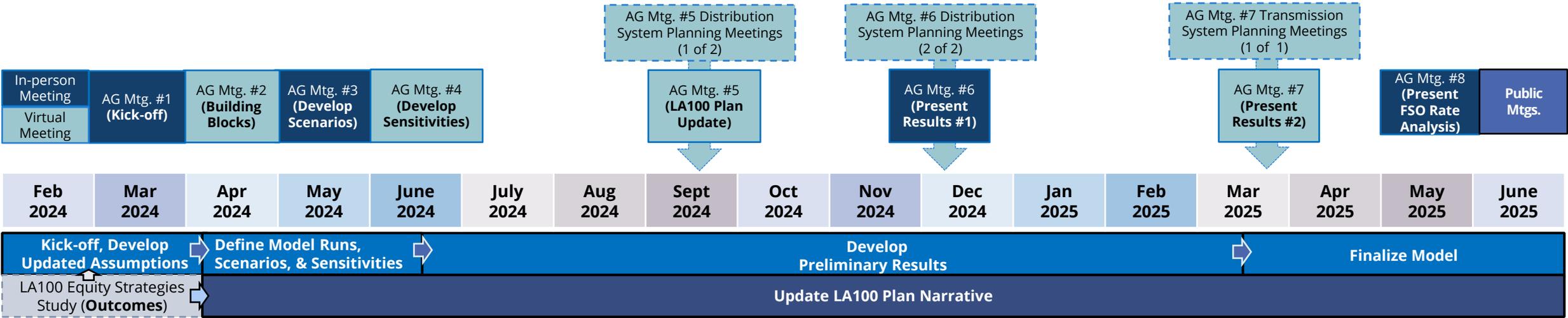
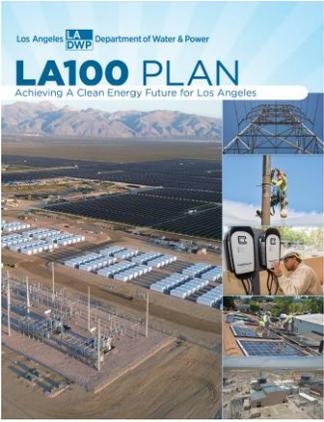
LA100 Plan Costs

Power System Planning Division

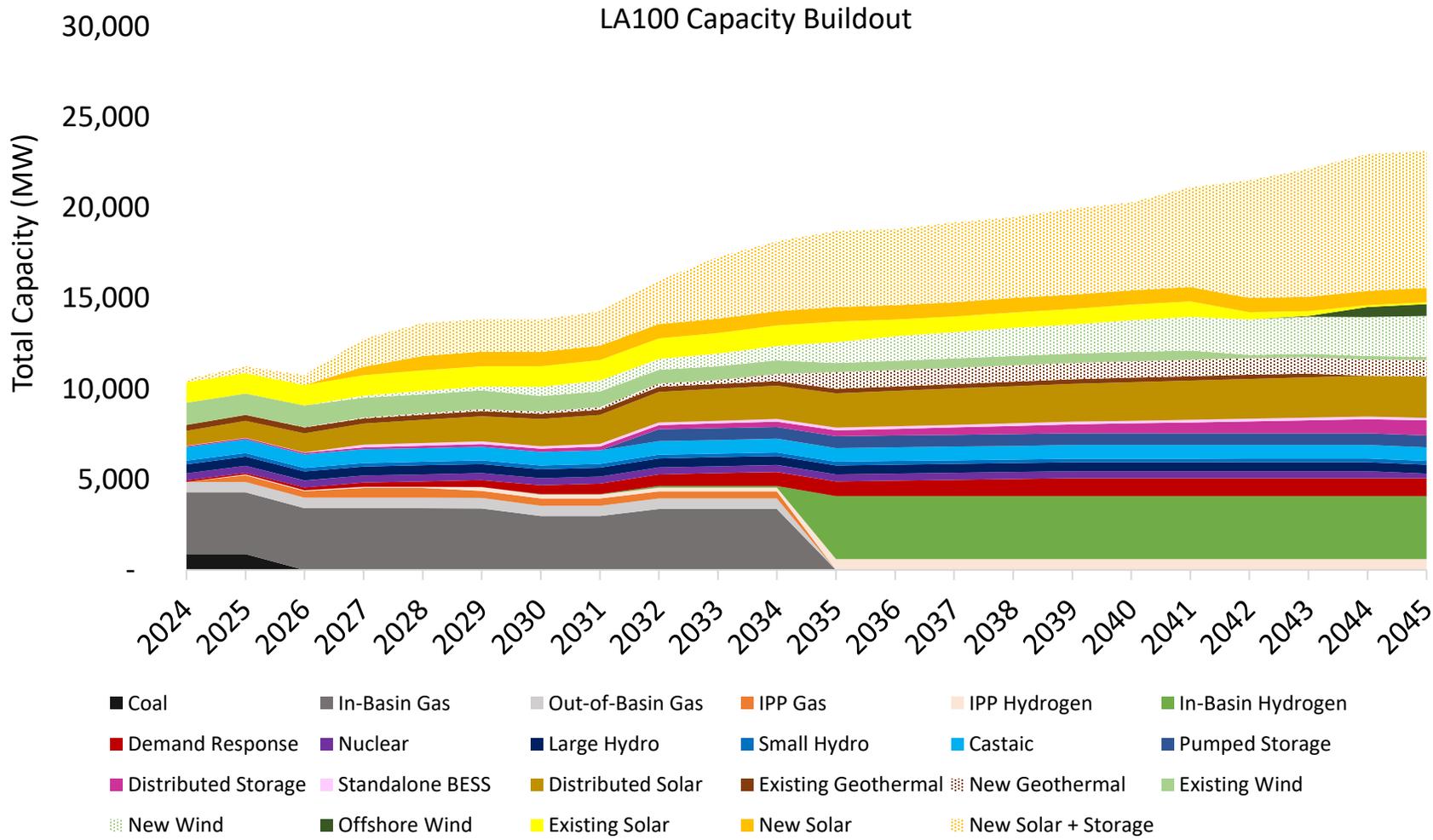
December 06, 2025

Background, Timeline, Framework

- **The LA100 Plan**, previously the Power Strategic Long-Term Resource Plan (SLTRP), is LADWP’s comprehensive and strategic integrated power system planning document; **L.A.’s roadmap for 100% carbon-free energy by 2035 and future energy planning through 2045**
- **Guiding principles** of balancing reliability, resiliency, equity, affordability, and sustainability
- **Two year-long process**, including modeling, stakeholder engagement, and report writing



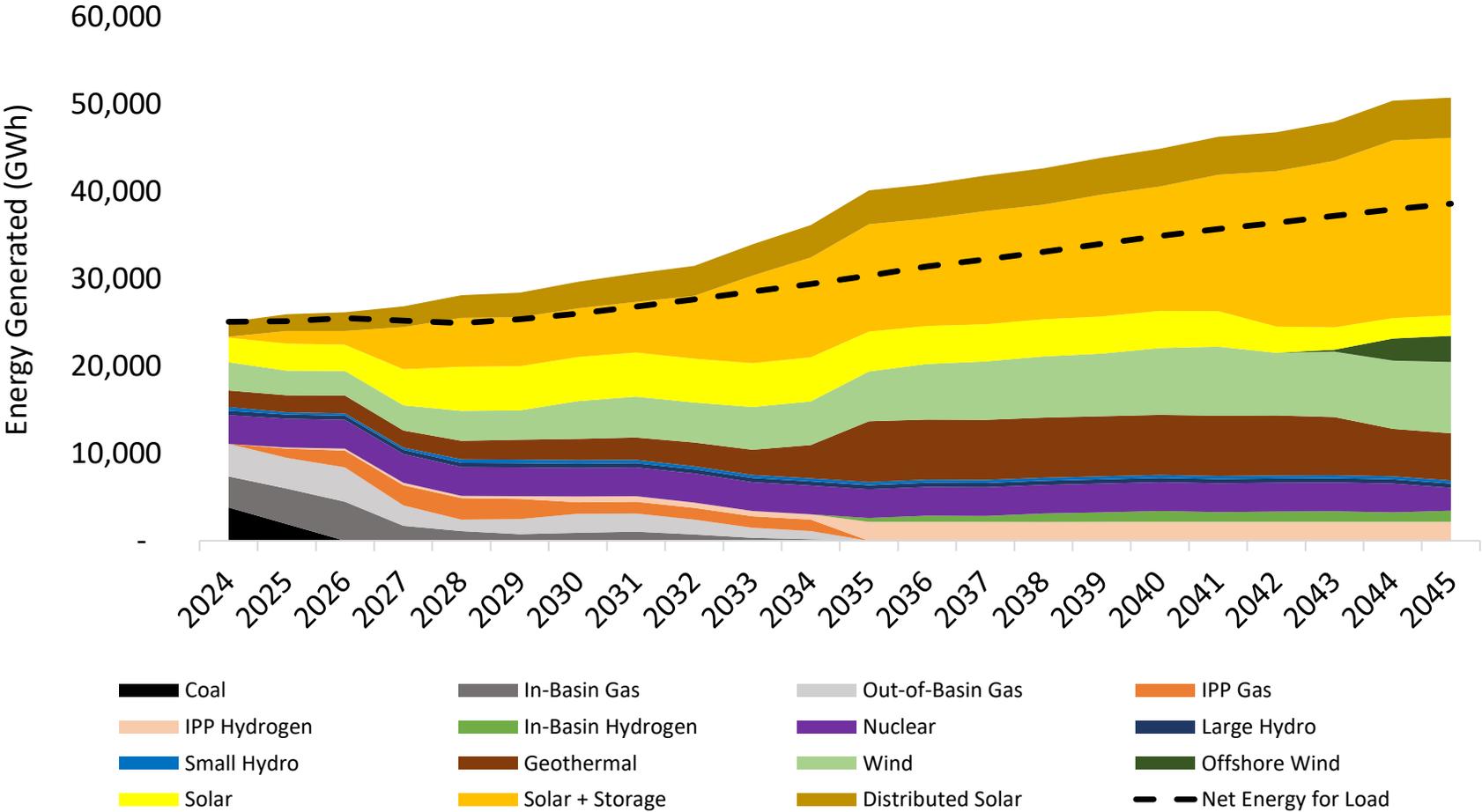
Power Capacity Resource Buildout



- **Modeling seeks to find the least cost, best fit resources** to meet our future load, while balancing decarbonization and reliability
- New resources are mainly renewable, with **fossil fuels retired by 2035** and replaced with carbon-free resources
- Total cumulative **nameplate capacity more than doubles** from present day through 2045
 - Low dependable capacity of renewables requires tremendous buildout to compensate
- **Balanced portfolio** informed by previous studies (i.e. NREL LA100 Study) **ensures reliability** even during low renewable output

Energy Generation Dispatch

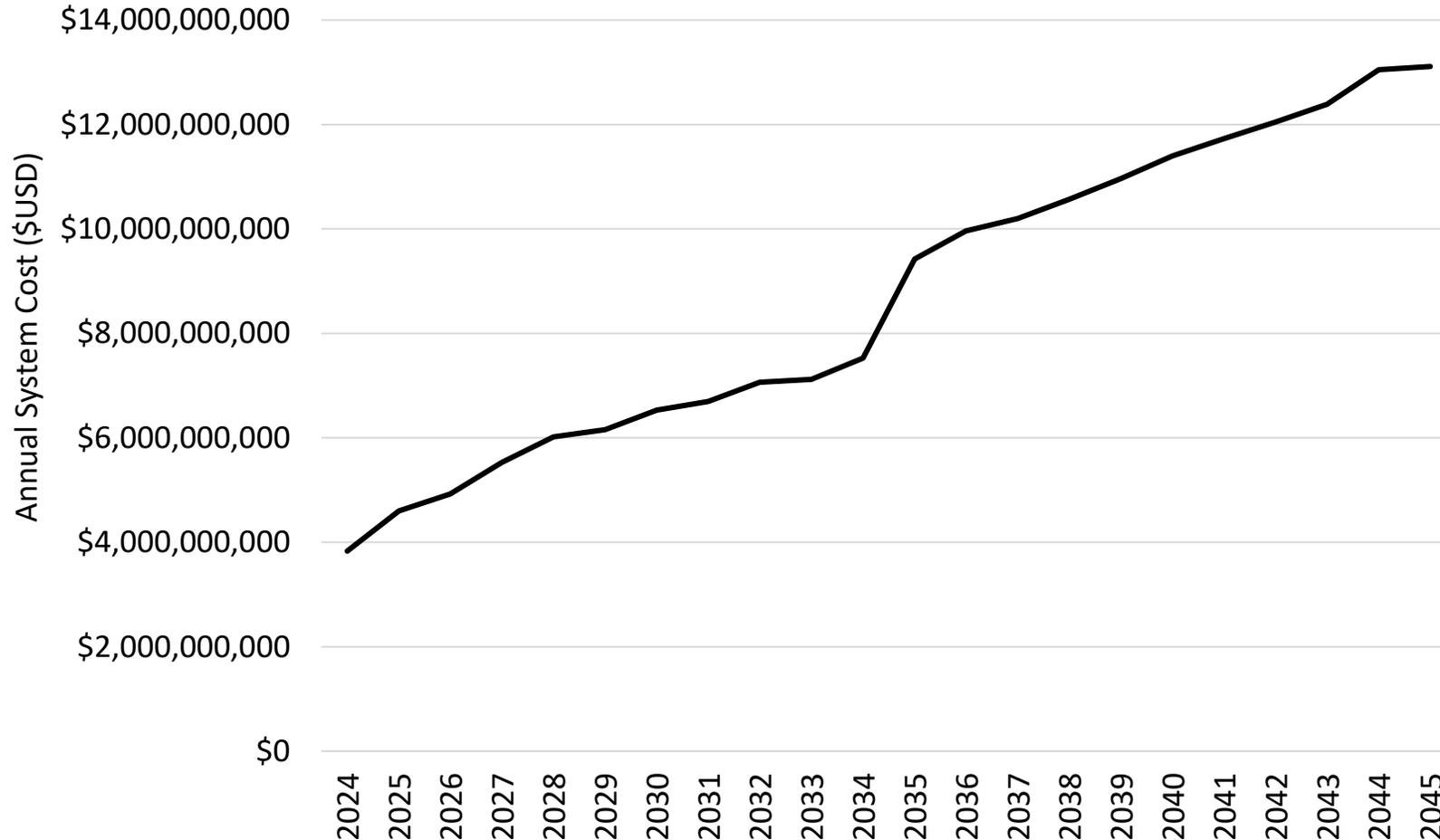
LA100 Energy Generated



- **Energy generated** to meet customer electric consumption **is mainly supplied by renewables**, with additional contributions from carbon-free resources
- **Green hydrogen-fueled generation is used sparingly**, mainly as **backup** for reliability and resilience during low renewable output or system contingencies
- **At times, generation exceeds net load**, which may lead to **curtailment** or exports, though LADWP seeks to minimize these due to financial and contractual constraints

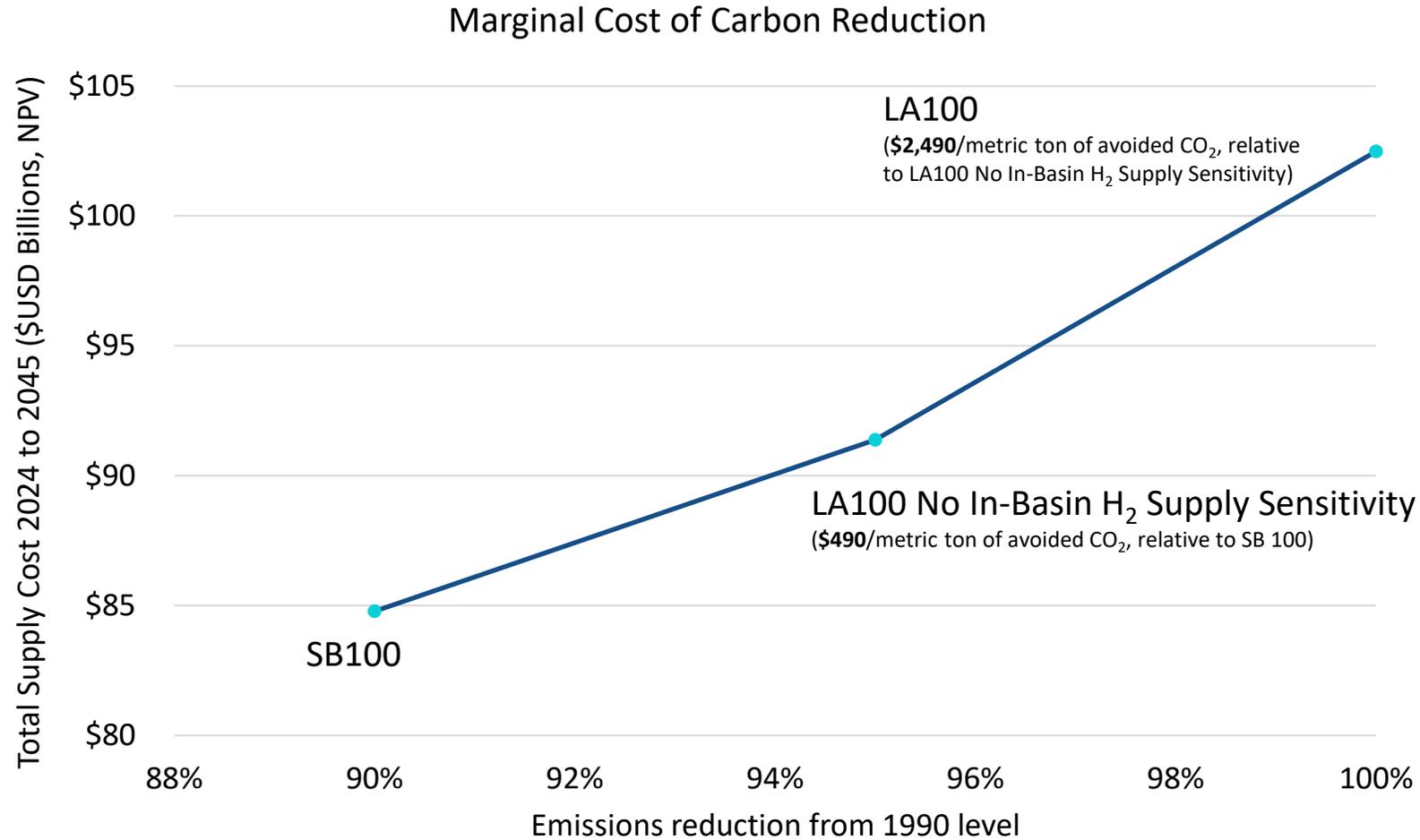
Cost

LA100 Annual System Cost



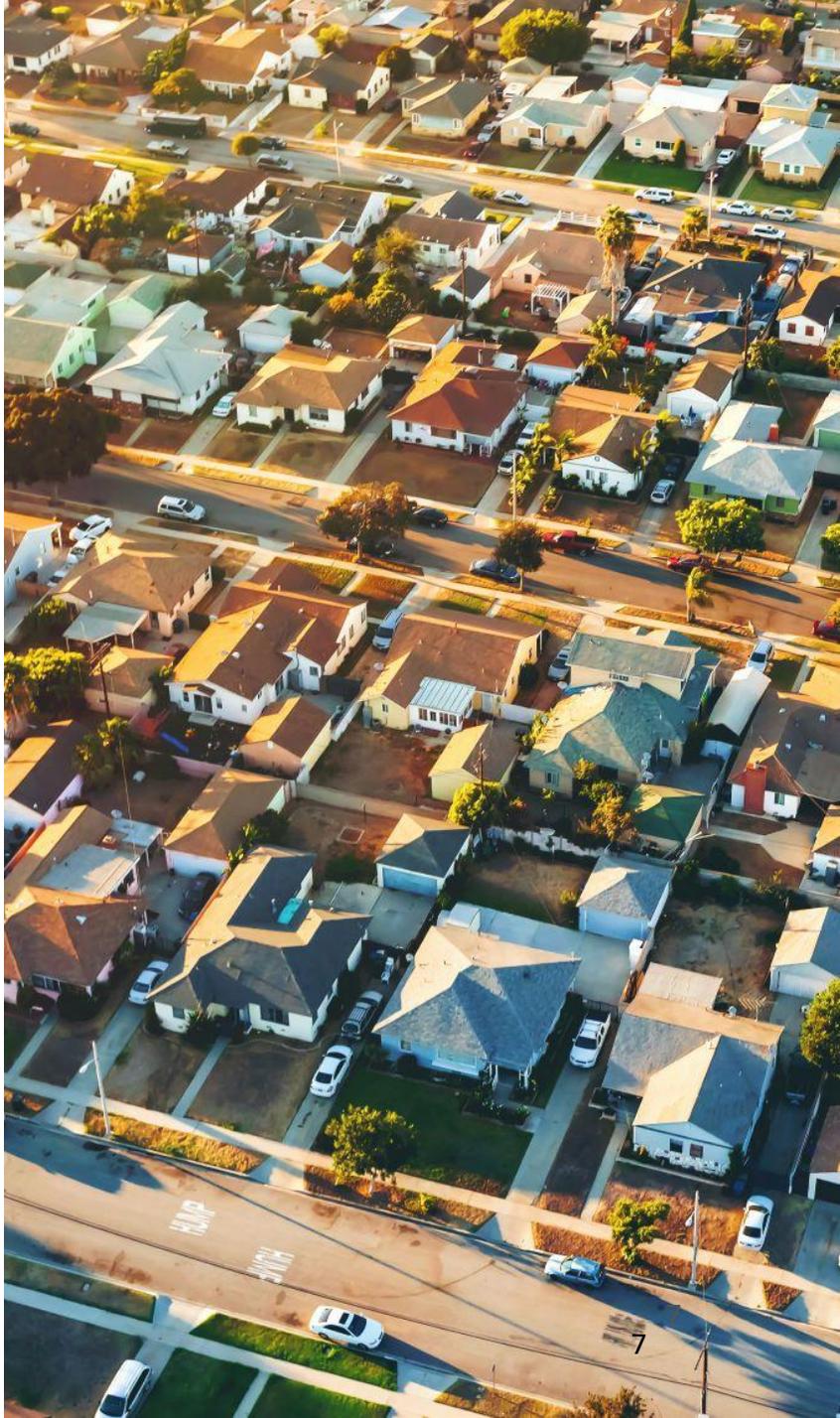
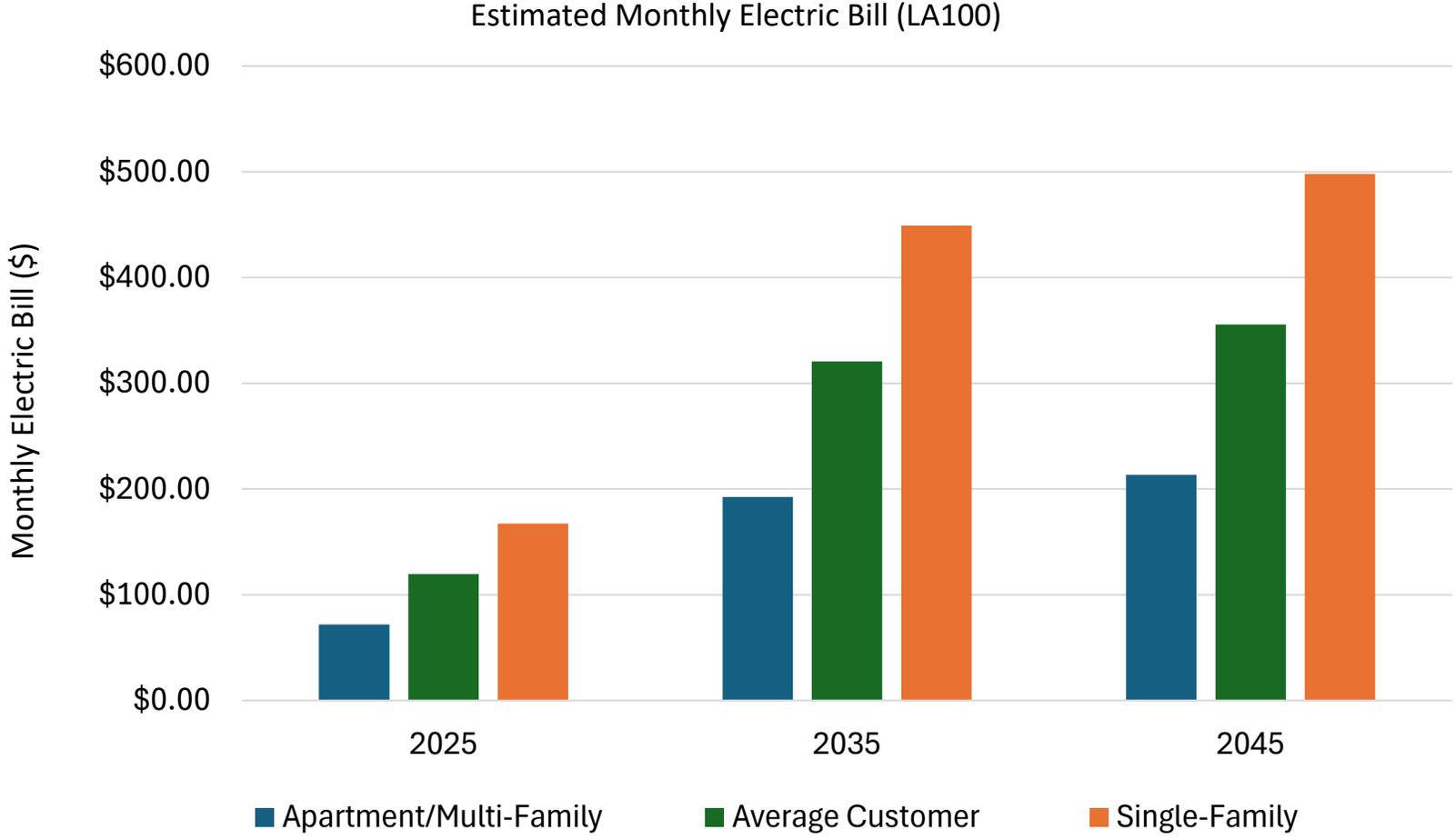
- **Annual system costs rise steadily through the 2020s** as LADWP invests in renewables, energy storage, and grid modernization,
- **Sharper increase around 2035** driven by major infrastructure to achieve 100% carbon-free energy, reliability upgrades, and transportation electrification charging infrastructure
- **Total net present value (NPV) cost of \$102.5 billion** from 2024 to 2045 (The SB 100 benchmark, following the State mandate of 100% clean energy by 2045, costs ~\$84.8B NPV)

Marginal Emissions Costs Increase Along the Path to 100%



- **Assesses cost to reduce one additional metric ton of CO₂, for one scenario/sensitivity, relative to another**

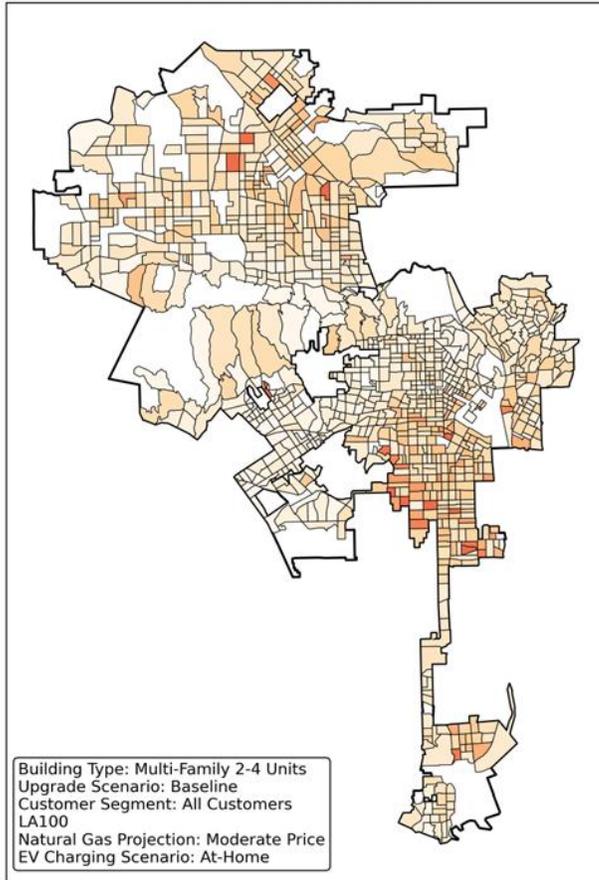
Estimated Monthly Electric Bill



Energy Burden

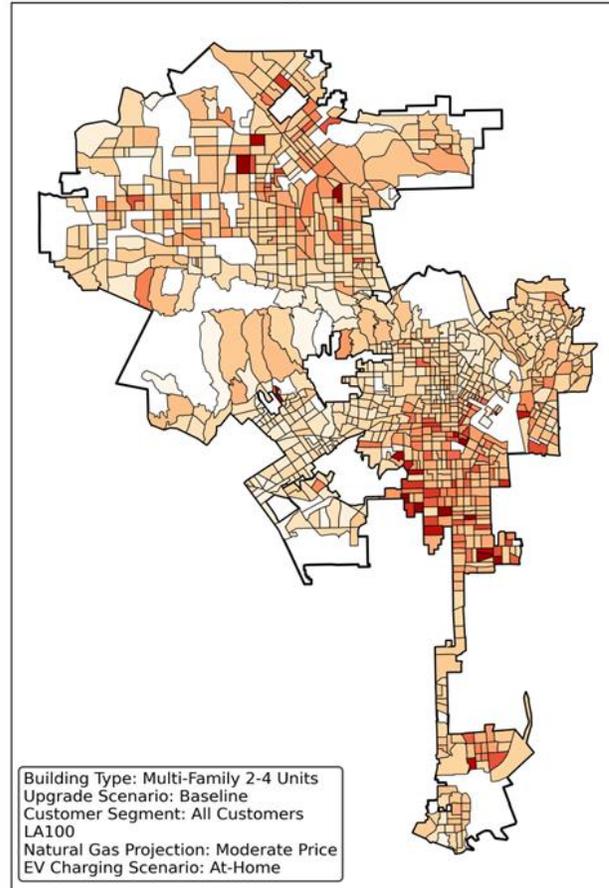
2025
LA100

Projected Energy Burden (Including Vehicle)
in 2025 by Census Tract



2035
LA100

Projected Energy Burden (Including Vehicle)
in 2035 by Census Tract



**Energy
Burden
(%)**

Total Annual Household
Spending on Energy Costs
(i.e. Electricity, Gasoline,
and Natural Gas)

=

Total Annual Gross
Household Income

- **LADWP partnered with UCLA** to develop a tool to evaluate customer energy burden under different building profiles
- **Energy burden $\geq 6\%$ is considered “High” and potentially unaffordable**
- **Insights can help inform customer programs to assist with affordability**



Questions/Discussion

www.ladwp.com/la100plan