### GENERAL PLAN UPDATE: Climate Action Plan Follow-Up

Planning Commission Workshop #5

December 6, 2018



### Tonight's Topic

- Climate Action Plan Update
- Follow-up from Sept. 20 PC Workshop
  - Reviewed all public comments
  - Met with Governor's Office of Planning and Research (OPR) staff
  - Report Back





### Public Comments - Key Issues and Concerns

- CAP doesn't go far enough, should include more stringent GHG reduction measures
- CAP implementation details need to be more specific for each measure
- Specific comments on individual GHG reduction measures

# 1

### **Recommended Changes**

### 1. Revise Measure TACM-9 - EV Charging

- Adopt new minimum EV charging and parking standards:
  - EV-ready, EV-capable, and minimum charging stations installations
  - Aligned with existing reach codes and best practices
- Public charging in all City-owned municipal facilities
- Publicly-available charging for TNC drivers (e.g., Lyft, Uber)

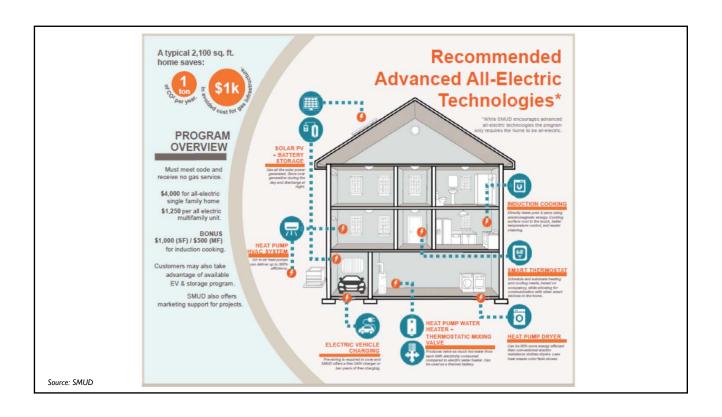
### Recommended Changes

- 2. Revise Measure BE-7: Phase in Solar PV Requirements and Solar- Ready Buildings
- Phase in requirements for solar PV for single-family and low-rise multifamily (consistent with recent State changes)
- Phase in non-residential requirement to be "solar-ready"
- 2019 Title 24, Part 6
- Trend = moving towards zero-net energy buildings, per statewide goals

# Recommended Changes

#### 3. Revise BE-6: Shift Focus to Electrification

- All-electric homes and electrification of existing homes/buildings.
- Support growing movement to decarbonize buildings
- Major program investments by SMUD, incentives available
- City can take action by:
  - Streamlining permitting of all-electric new construction or retrofit projects,
  - Reduce/waive fees, other incentives to match SMUD's commitment
- Explore phasing in new minimum standards prior to 2030
  - Need to address legal and institutional barriers first



	Baseline: Electric and Gas Home	All-Electric Home
Electricity Consumption	4,530 kWh/yr	7,670 kWh/yr
Natural Gas Consumption	370 Therm/yr	0 Therm/yr
GHG Emissions (source)	6700 lb CO <sub>2</sub> /yr	4100 lb CO <sub>2</sub> /yr
Total kTDV <sup>1</sup>	80 kTDV/yr	71 kTDV/yr
	21.000	
missions averaged over first 15 years. Inc	\$1,020/yr us plug loads. Based on energy modeling of a typicalividual energy use may vary based on individual life occupancy and behavior. TDV is the time dependent	tyle and behavior. Savings are
Does not include lighting or miscellaneo missions averaged over first 15 years. Inc stimates only and will vary depending on	us plug loads. Based on energy modeling of a typicalividual energy use may vary based on individual life occupancy and behavior. TDV is the time dependen	ol 2,100sf single-story home. GHG



### Recommended Changes

### 4. Additional State Legislative Actions

- SB 100
  - Changes in renewable electricity portfolio standard: 50% by 2026, 60% by 2030
  - New zero-carbon electricity standard for 2045
- Title 24 Energy Code triennial code update (2019)
  - 2019 changes go into effect on January 1, 2020
  - Full details were unknown until mid-2018 after draft CAP prepared



### Other Potential Changes

- Scale back GHG reductions achieved by 2020
- Form Citizens Climate Action Committee, following CAP adoption
- Specify timing of certain implementation procedures, including project-level review and developing CAP Checklist for 15183.5 streamlining.
- Add list/range of possible funding sources



### Other Potential Changes

- Identify equitable implementation opportunities (e.g., solar for low-income communities working with partners)
- Increase waste diversion targets to nearzero:
  - -75% by 2020
  - -80% by 2030
  - -90% by 2040
  - -95% by 2050

### **Recommended Action**

- Provide direction to incorporate the major changes described tonight into the draft CAP
- Bring back the final draft CAP as part of the General Plan Update

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