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CCA Panel Discussion

Economic Impacts of Local Renewable Energy Procurement via CCAs

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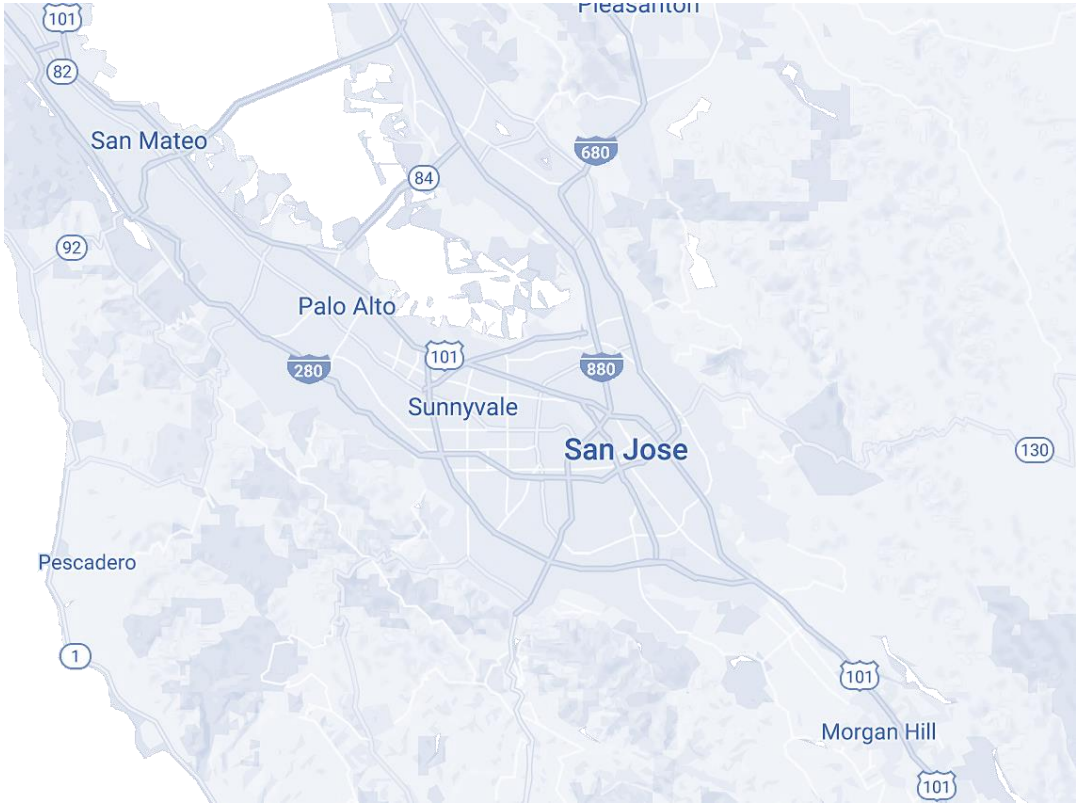
CCAs are Platforms for Energy Service Innovation

- Deliver cleaner energy and have community-focused programs
- Align local goals to electricity procurement decisions
- Example from potential new CCA:
  - San Jose CCA would have over $350M per year to spend for electricity supply
  - *Option A: direct purchasing power entirely to lowest cost, remote sources*
  - *Option B: include a defined portion of clean energy from local sources*

Economic Study to Determine Scale of Opportunity

- Calculate economic impact from local clean energy sources
  - Focused on renewables – specifically solar PV
  - Provided 3 scenarios (10%, 20%, 33%) for local procurement
  - Previous studies are not geo-specific
  - Addressable need for clean power
  - Locally sensitive assumptions
  - Did not include grid benefits or IOU actions

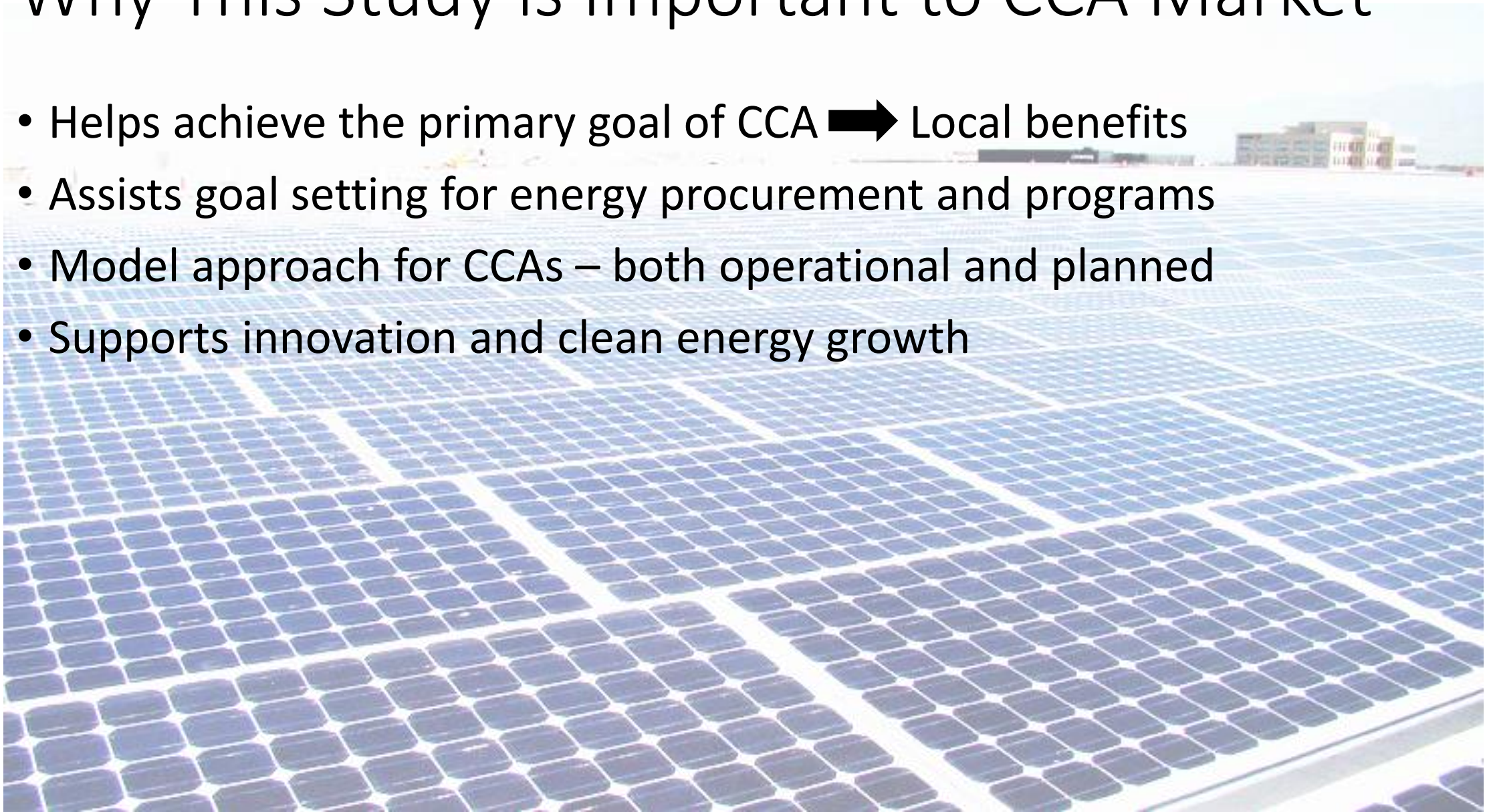


San Jose CCA Study – Scenario Highlights

San José Electricity Consumption (2015 PG&E GWh)	
Residential	1,807
Non-Residential	2,178
Total	**3,985**
2020 Estimated CCE Sales	**3,557**
(85% Retention)	

	Scenario 1 (10%)	Scenario 2 (20%)	Scenario 3 (33%)
Local Clean Power Purchases (GWh)	**356**	**711**	**1,174**
Shift to Local Energy Spending (annual)	$ 35,566,125	$ 71,132,250	$ 117,368,213
Equivalent Solar PV Capacity (MW)	220.2	440.4	726.7
Average Annual Solar Installations (MW)	36.7	73.4	121.1
Average Annual Economic Impact	$ 63,203,879	$ 126,407,758	$ 208,572,800
Average Annual Jobs	609	1,219	2,011

Why This Study is Important to CCA Market



- Helps achieve the primary goal of CCA ➡ Local benefits
- Assists goal setting for energy procurement and programs
- Model approach for CCAs – both operational and planned
- Supports innovation and clean energy growth