

What opportunities does the Capital Region have in pursuing electrification (buildings, transportation, and other infrastructure)?

What challenges or barriers do you foresee in promoting or implementing electrification?

Tremendous opportunity to highlight building and transportation electrification because these issues are being discussed at state and federal level

Key mechanism to reducing GHGs in the built environment to meet CAP requirements

45 reach codes - appliances, technologies, decreasing use of natural gas  
SMUD goal - 2030; need to balance with conservation/efficiency goals; messaging is crucial



Lack of demonstrations of induction stoves and other electric appliances

Not addressing energy challenge of buildings will have repercussions for our communities; conservation is critical

Stress on electric grid and ability to reduce natural gas; key that we reduce the amount of energy being used in buildings

Building better is key

People aren't aware of the opportunities/programs and benefits of electrification (and challenges of natural gas)

State-baseline possibility (2026?)  
Opportunity to tie into EV infrastructure and transportation upgrades; what do we need to meet our EV/LEV goals?

Regionally, we could look at supportive requirements to prepare partners for state building codes

How do we message this? How do we discuss the benefits and communicate these benefits to residents? PSA; campaigns; local and bottom-up demand

# Built Environment and Electrification

Time of use is crucial for infrastructure, but specifically for buildings

Challenge: utilities serving both electric and gas

City of Sacramento - opposition from restaurant groups on electric appliances; equity/cultural concerns have arisen

Pre-existing target goal (from SMUD) and renewable portfolio; example that it can be done; demonstrates that it can be cost-effective

Energy and Innovation Center in San Diego - demonstrations and workshops

Lack of clear roadmap from fossil fuel market to renewable energy; need to understand more fully the issues facing our grids and what needs to be done to guarantee supply of electricity



Challenges - residents may not support all-electric homes; how do we build the bottom-up demand from residents?

What needs to be done - at either the organizational, local, or regional level - to successfully implement electrification?

What can CRC and our network of organizations do to support and collaborate on electrification efforts?

How do we look at retrofitting building and supporting, more equitably, EV participation and accessibility?

Structure and amount of rebate programs; re-structured and re-directed

Option: rebate for public buildings that transition from gas to electric (net zero or net positive)

Local government - support more effective messaging as it relates to electrification; outreach, education, and awareness

RFPs: public agencies requiring zero net energy (or net positive) buildings - opportunities for planners and designers to support the work; need public agencies to prioritize



More details about why buildings need to be electric; individuals need to understand reasoning and benefits

Support for CBOs to provide messaging because a lack of trust may exist among communities; peer-to-peer messaging

CRC - can support public agencies prioritizing work

Fear of PSPS; lack of information around shut-offs

Educational materials/PSAs

What opportunities does our region have in adapting to and preparing for extreme heat and drought?

What challenges or barriers do you foresee in adapting to and mitigating extreme heat and drought?

AB 841—classroom ventilation, energy efficiency by using cool and fresh air, opportunity for energy conservation

wastewater recycling, removing ammonia from water discharge to supply agriculture resources, water filtration, reduce groundwater pumping to preserve the water table

Cool pavements - 40% of city surface



Funding - for everything!

Addressing equity

EchoWater will remove ammonia from wastewater and transport water to agricultural uses in southern Sacramento County, recharging groundwater and reducing water pumping.

Replacing more pavements with permeable surfaces to allow for groundwater recharge - addresses both heat & drought

Turf replacement with pollinator habitat & native plants

## Extreme Heat & Drought

Tension b/t water conservation and tree planting

What needs to be done - at either the organizational, local, or regional level - to successfully adapt to and mitigate extreme heat?

What can CRC and our network of organizations do to support members and collaborate on extreme heat adaptation and mitigation efforts?

Cool roof adoption

Working with local governments & school districts to embed requirements into bidding processes for new constructions

resilience, and other built environment solutions to heat risk reduction and (2) the State's role in raising public awareness and supporting local service provision during extreme heat events. (March agenda -

Education presentations - city council members, school district boards, kids, stakeholders

Engage in the 2021 State Adaptation Strategy Update - <https://resources.ca.gov/Initiatives/Building-Climate-Resilience/2021-State-Adaptation-Strategy-Update>

Sharing specific bid languages, specification documents, guidance

Share engagement and funding opportunities across sectors and scales of governments

Host/convene educational workshops/presentations