



- *Collaboration* -

The Key Ingredient to an Effective
Response to Climate Change





What is Adaptation Work?

- Everything.





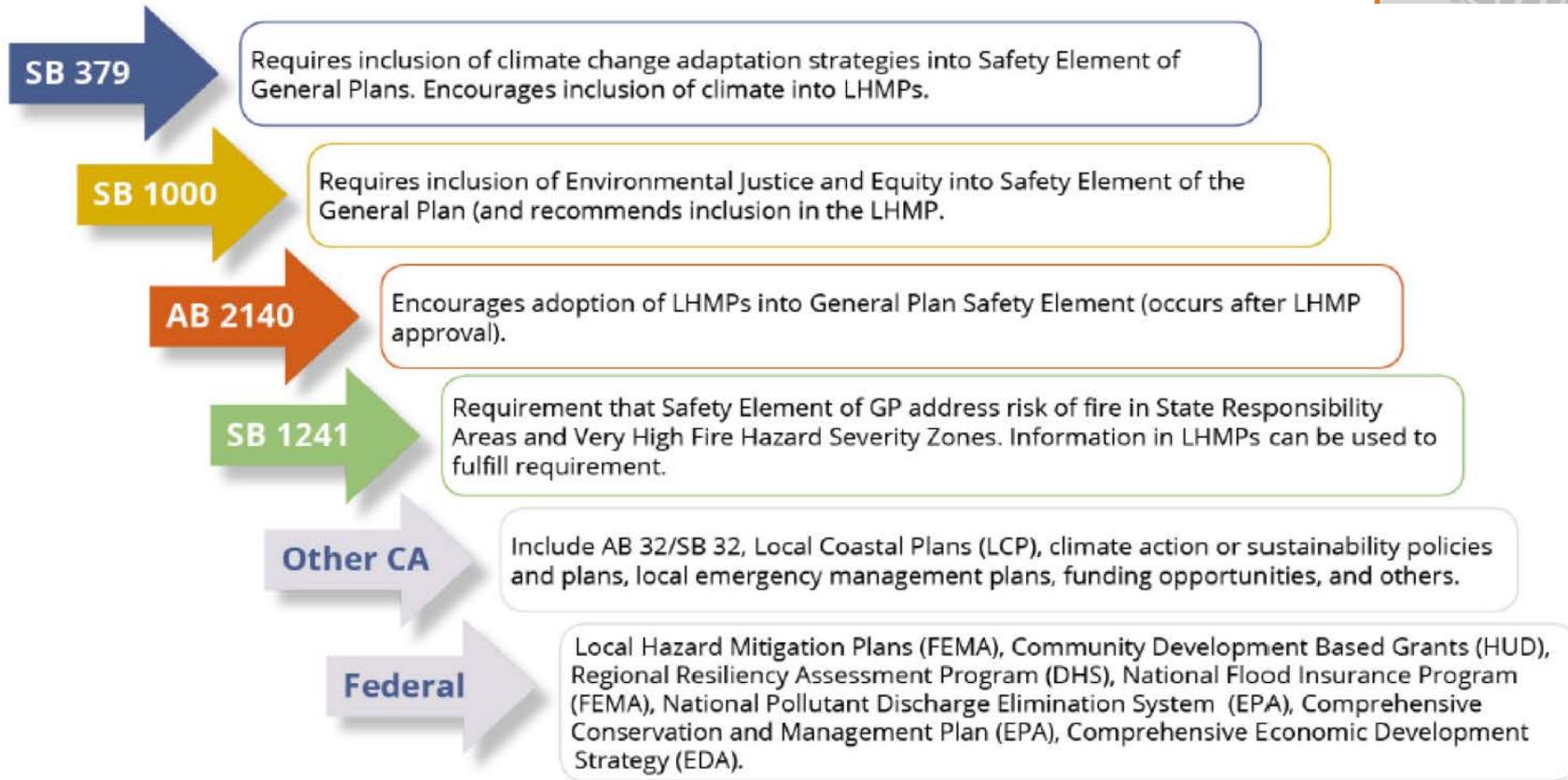
What is Adaptation Work?

- We used to think the future would look like the past
- We now know the future is *much more* variable
- Planning for dynamic environments is complicated, and requires ongoing monitoring, flexibility, and *collaboration!*
- Regulatory environment is also extremely complicated
 - Emergency Operations Plan, Hazard Mitigation Plan, Safety Element of the General Plan, Climate Action Plan, Adaptation Plan, IRWMP, etc.
- We can pay for it now, or pay *much more* for it later





CALIFORNIA CLIMATE LEADERSHIP

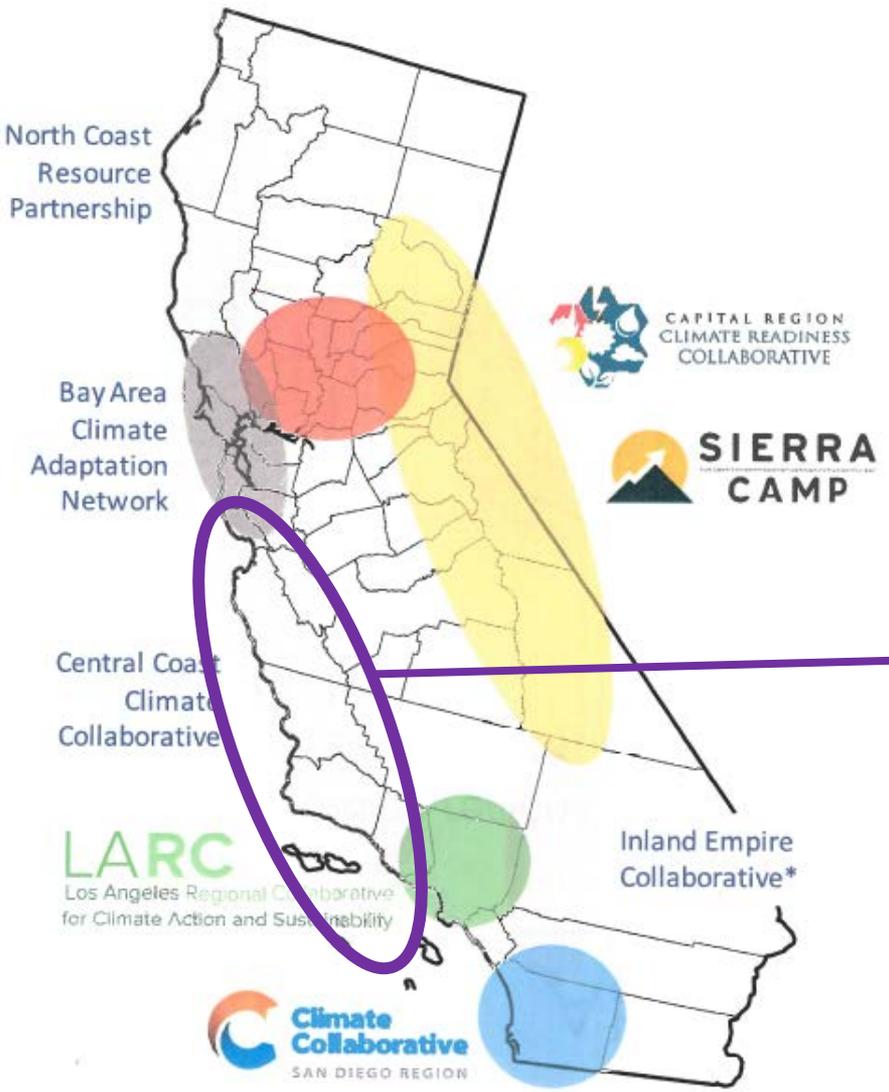


CENTRAL
COAST
CLIMATE
COLLABORATIVE



Mission:

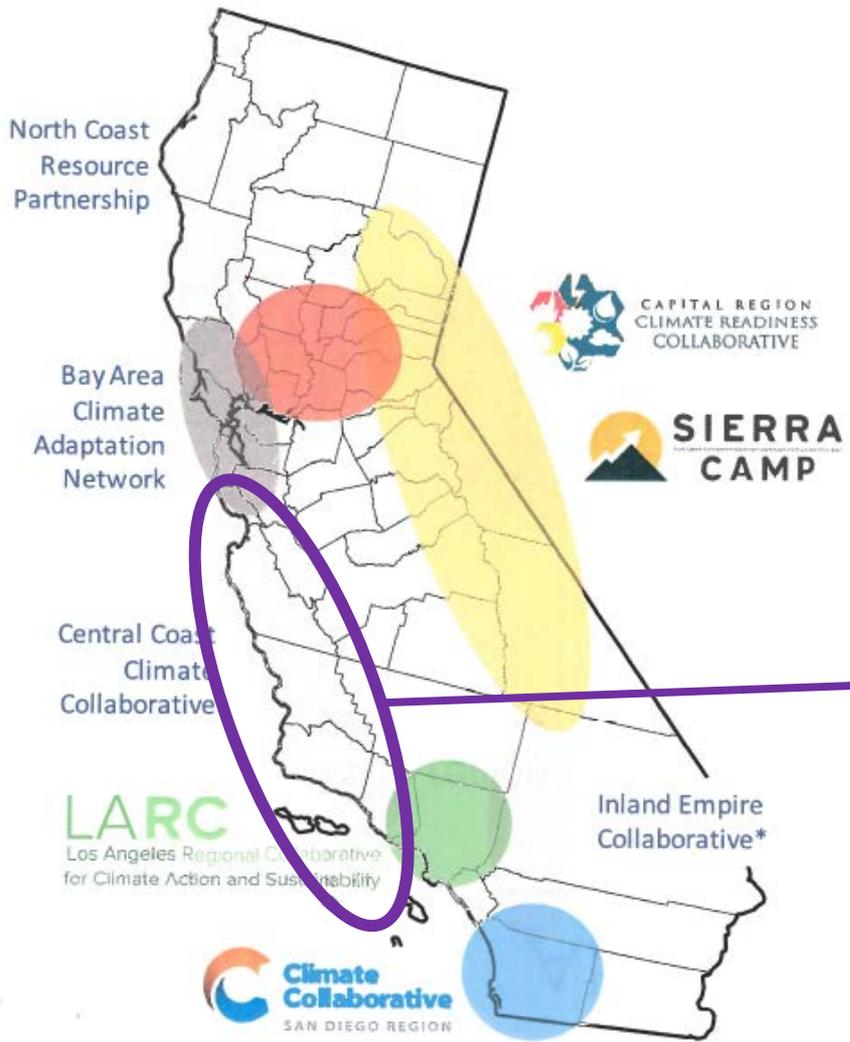
Engage all communities throughout the region to help ensure a **resilient and low-carbon Central Coast** prepared for the **impacts of climate change.**



CENTRAL COAST CLIMATE COLLABORATIVE

Santa Cruz
San Benito
Monterey
San Luis
Obispo
Santa Barbara
Ventura





Members:

- City of San Luis Obispo
- City of Santa Cruz
- City of Capitola
- Ventura County Air Pollution Control District
- Association of Monterey Bay Area Governments
- San Luis Obispo Air Pollution Control District
- CalPoly Facilities Management & Development
- Central Coast Wetlands Group
- Save our Shores
- California Environmental Council





Steering Committee Members:

- Lacey Raak, CSU Monterey Bay
- Rachel Couch, CA Coastal Conservancy
- Anna Olsen, Santa Barbara RCD
- Chris Read, City of San Luis Obispo
- Bryan Brennan, BEACON
- Maya Hayden, Point Blue Consulting
- Lexie Bell, Morro Bay National Estuary Program
- Tiffany Wise-West, City of Santa Cruz
- Jacques Bertrand, City of Capitola
- Adrienne Greve, CalPoly
- Dennis Elliot, CalPoly
- Ross Clark, Central Coast Wetlands Group
- Sigrid Wright, California Environmental Council
- Kristina Chavez Wyatt, San Benito Business Council
- Juliano Calil, Monterey Institute of Inat'l Studies



Central Coast Climate Collaborative History

2015
Idea
initiated

2016
Organizing
Committee
formed

Aug 2017
First
Annual
Summit
(SLO)

Nov 2017
EPA/FEMA
technical
assistance
grant
awarded

April 2018
4C
Regional
Resilience
Workshop

**Summer
2018**
fiscal
sponsor /
joined
ARCCA

Aug 2018
Involved in
4 sessions
at CAF



- Convenes network of climate leaders
- Knowledge sharing newsletter
- Prepare collaborative grant proposals
- Provide letters of support for initiatives
- Share state, regional goals, policies, etc
- Survey region on needs
- Provide tools and resources

What does 4C do?

Central Coast:
Population 2.3 million





SEA LEVEL RISE

The Central
Coast
comprises
about **44%** of
California's
coastline





LONGER DROUGHTS



Agriculture is a key industry for all of the 6 Central Coast counties.



INCREASED FIRE DANGER

6 of the 15
largest
wildfires in
California
have been in
the Central
Coast region



ELECTRICITY GRID VULNERABILITY

By 2100, California will need an additional 17 Gigawatts of energy generation due to the impact of higher temps on energy demand and efficiency. **That's 38% more electrical capacity than we needed in 2012.**

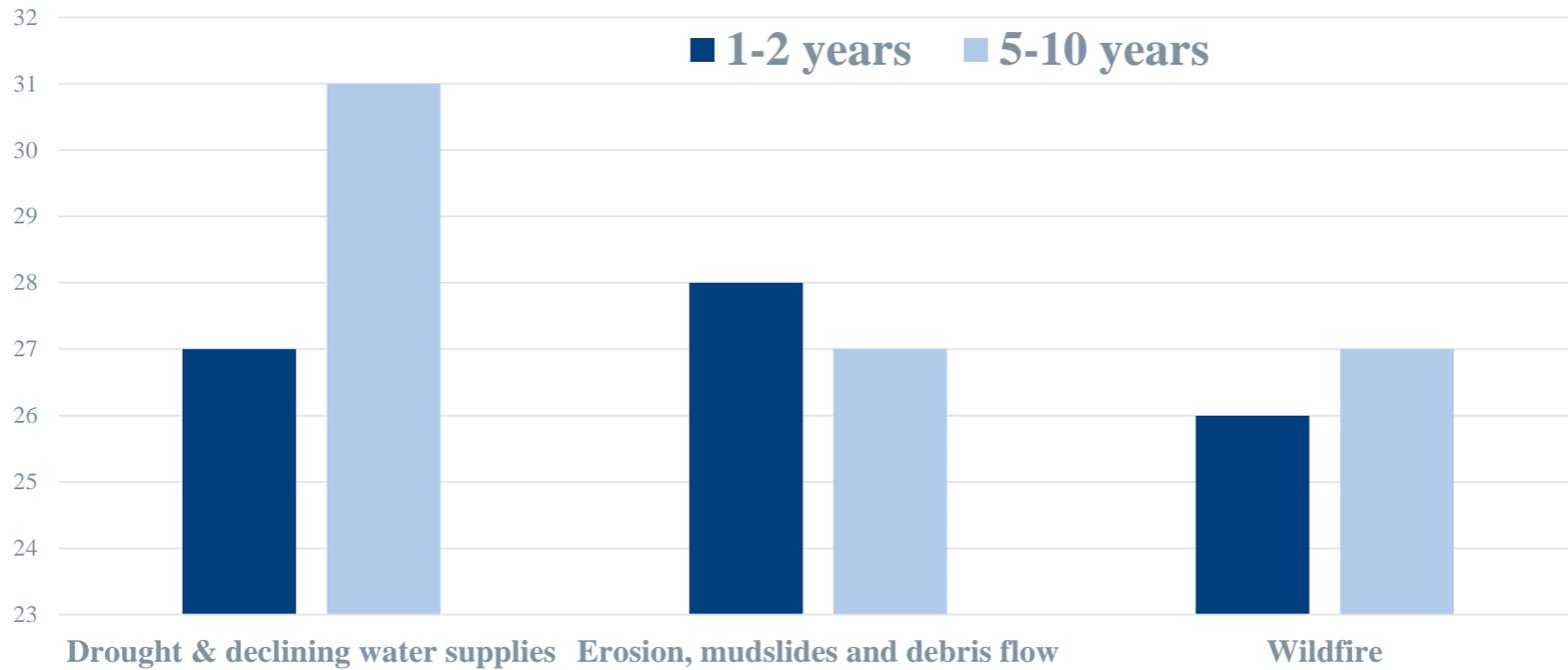


SHARED OPPORTUNITIES

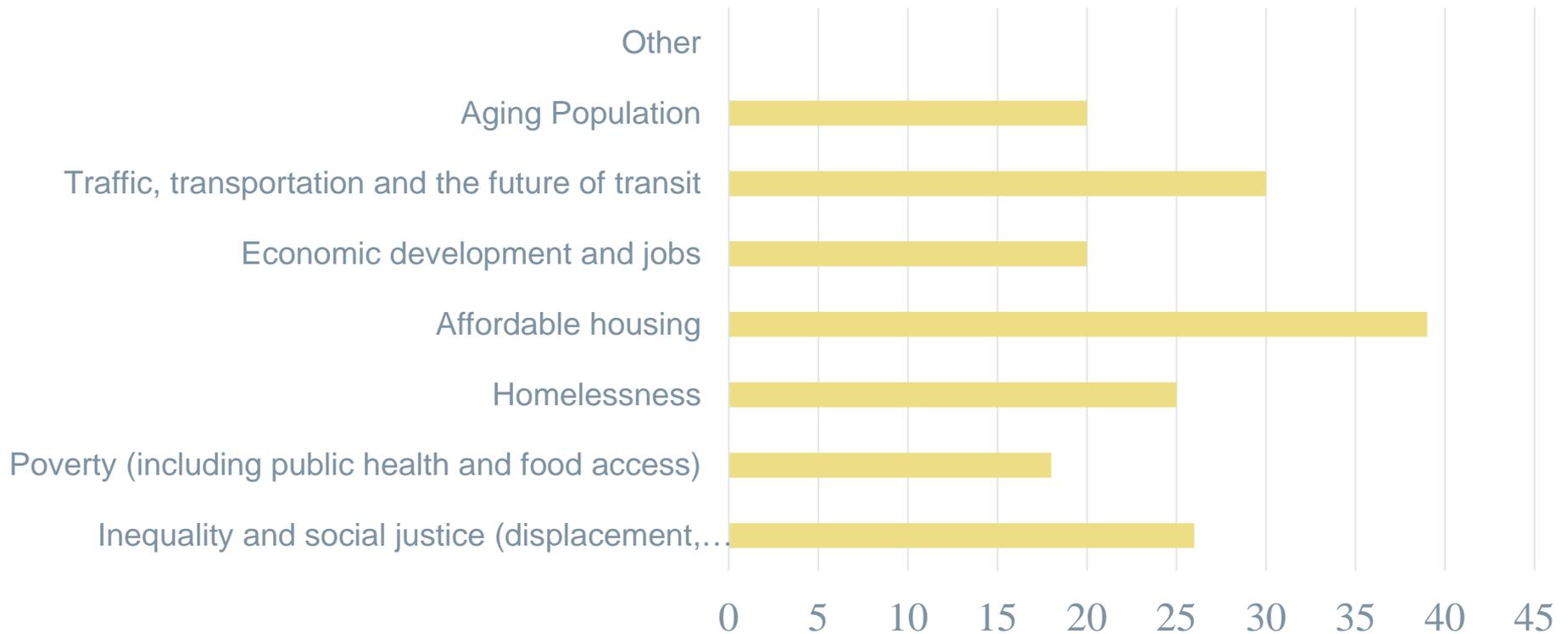


CITY OF SAN LUIS OBISPO

SURVEY – TOP HAZARDS (n=40)



SURVEY – TOP SOCIAL ISSUES (n=40)



SURVEY – TOP ASSETS AT RISK

Tourism

Transportation

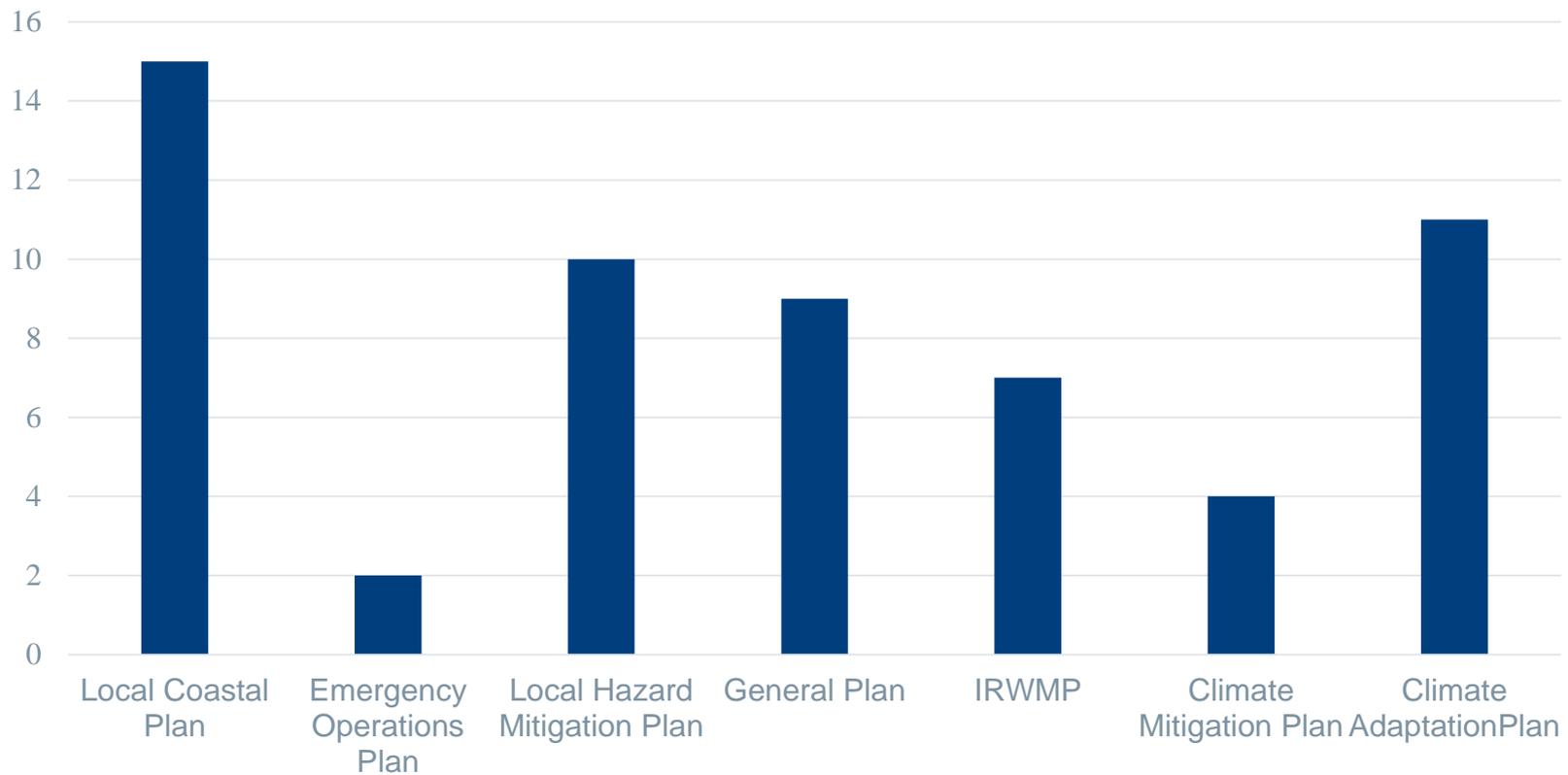
Housing

Wastewater
Infrastructure

Drinking Water
Infrastructure

Fishing, ports,
marine
transportation

SURVEY – PLANS IN PROGRESS (n=40)



SURVEY – WHAT WOULD HELP? (n=40)





Climate Collaborative Resiliency Workshop





- FEMA/EPA Resilience Workshop & Toolkit (**awarded**)
- UCSC / 4C Strategic Growth Council for Climate Justice Center (not awarded)
- UCSC / 4C Integrating land use and climate change to Strategic Growth Council (**awarded**)
- ARCCA's urban/rural interface resilience to Wildlife Conservation Board (pending)
- RAND/4C Extreme heat planning to PG&E (**awarded**)

Grant Proposal Partnerships



WHAT'S AHEAD?

Grant engagement

4th CA Climate
Change Assessment
Central Coast
Workshop (12/10)

Membership Drive

Planning next
annual summit



WHAT'S AHEAD?

NEAR TERM:
Solidify the
Collaborative

12 MONTHS:
Expand & Build
Collaborative

18 MONTHS: Go
Bigger & Deeper



Reflection

- What's working?
- What isn't working?
- What do we need?





Thank You!

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