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
- We can pay for it now, or pay *much more* for it later
CALIFORNIA CLIMATE LEADERSHIP

SB 379
Requires inclusion of climate change adaptation strategies into Safety Element of General Plans. Encourages inclusion of climate into LHMPs.

SB 1000
Requires inclusion of Environmental Justice and Equity into Safety Element of the General Plan (and recommends inclusion in the LHMP).

AB 2140
Encourages adoption of LHMPs into General Plan Safety Element (occurs after LHMP approval).

SB 1241
Requirement that Safety Element of GP address risk of fire in State Responsibility Areas and Very High Fire Hazard Severity Zones. Information in LHMPs can be used to fulfill requirement.

Other CA
Include AB 32/SB 32, Local Coastal Plans (LCP), climate action or sustainability policies and plans, local emergency management plans, funding opportunities, and others.

Federal
Local Hazard Mitigation Plans (FEMA), Community Development Based Grants (HUD), Regional Resiliency Assessment Program (DHS), National Flood Insurance Program (FEMA), National Pollutant Discharge Elimination System (EPA), Comprehensive Conservation and Management Plan (EPA), Comprehensive Economic Development Strategy (EDA).
Mission:
Engage all communities throughout the region to help ensure a resilient and low-carbon Central Coast prepared for the impacts of climate change.
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
What does 4C do?

- 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
Central Coast:
Population 2.3 million
The Central Coast comprises about 44% of California's coastline.
Agriculture is a key industry for all of the 6 Central Coast counties.
6 of the 15 largest wildfires in California have been in the Central Coast region.
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
SURVEY – TOP HAZARDS (n=40)

- Drought & declining water supplies: 31 respondents (5-10 years)
- Erosion, mudslides and debris flow: 28 respondents (1-2 years)
- Wildfire: 24 respondents (5-10 years)
SURVEY – TOP SOCIAL ISSUES (n=40)

- Other
- Aging Population
- Traffic, transportation and the future of transit
- Economic development and jobs
- Affordable housing
- Homelessness
- Poverty (including public health and food access)
- Inequality and social justice (displacement,...)
SURVEY – TOP ASSETS AT RISK

- Tourism
- Transportation
- Housing
- Wastewater Infrastructure
- Drinking Water Infrastructure
- Fishing, ports, marine transportation
SURVEY – PLANS IN PROGRESS (n=40)

- Local Coastal Plan: 15
- Emergency Operations Plan: 1
- Local Hazard Mitigation Plan: 9
- General Plan: 8
- IRWMP: 7
- Climate Mitigation Plan: 4
- Climate Adaptation Plan: 11
Assembling the right kind of cross-disciplinary team

Deciding on the correct scope for the assessment

Connecting hazard types

Going beyond exposure analysis

Knowing which information is important to collect on assets

Summarizing the assessment

Making decisions about implementing strategies based on the assessment

SURVEY – WHAT WOULD HELP? (n=40)
Climate Collaborative Resiliency Workshop
Grant Proposal

Partnerships

- 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)*
WHAT’S AHEAD?

- Grant engagement
- 4th CA Climate Change Assessment Central Coast Workshop (12/10)
- Membership Drive
- Planning next annual summit
NEAR TERM: Solidify the Collaborative

12 MONTHS: Expand & Build Collaborative

18 MONTHS: Go Bigger & Deeper

WHAT’S AHEAD?
Reflection

- What’s working?
- What isn’t working?
- What do we need?
Thank You!

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