

The San Diego Foundation's *Climate Initiative*



Investing in a Resilient Region

National Association of Regional Councils Conference, June 2011
NARC –NOAA Climate Adaptation Workshop

*While climate change
is a global issue,
all solutions are
ultimately local*

The San Diego Foundation's *Climate Initiative*

Work with **government**, **business**, and the **community** at large to advance regional efforts to curb greenhouse gas emissions (*mitigation*) and reduce our vulnerability to some of the most harmful effects of climate change (*adaptation*)



Climate Initiative - Advisors

Scott Peters, *Climate Initiative Chair*

David Engel, *Climate Initiative Vice-Chair*

Scott Anders, *USD Energy Policy Initiatives Center*

Risa Baron, *San Diego Gas and Electric*

Lisa Bicker, *CleanTECH San Diego*

Lisa Briggs, *Sempre Energy*

Judy Forrester, *Bank of America*

Jason Foster, *SD County Water Authority*

Molly Gavin, *Qualcomm*

Jill Gravender, *SAIC*

Ben Haddad, *California Strategies, LLC*

Andy Hamilton, *Air Pollution Control District*

Brian Holland, *ICLEI-Local Governments for Sustainability*

Debra Kelley, *American Lung Association*

Bob Leiter, *Consultant to SANDAG*

Andrew Martin, *SANDAG*

Andrew McAllister, *Center for Sustainable Energy*

Patricia McCoy, *Imperial Beach City Council (formally)*

Michael Meacham, *City of Chula Vista*

Devon Muto, *County of San Diego*

Linda Pratt, *City of San Diego*

Cheryll Stewart, *SD County Water Authority*



Climate Initiative - Partners



TSX Group, Inc

Platt/Whitelaw Architects, Inc.

Zell Family Foundation



Orca, Hervey Family, Beyster Family, Hattie Ettinger Conservation Funds



Climate Initiative – Policy Context

Mitigation

- AB32
- SB375

Adaptation

- CEQA
- Executive Order S-13-08

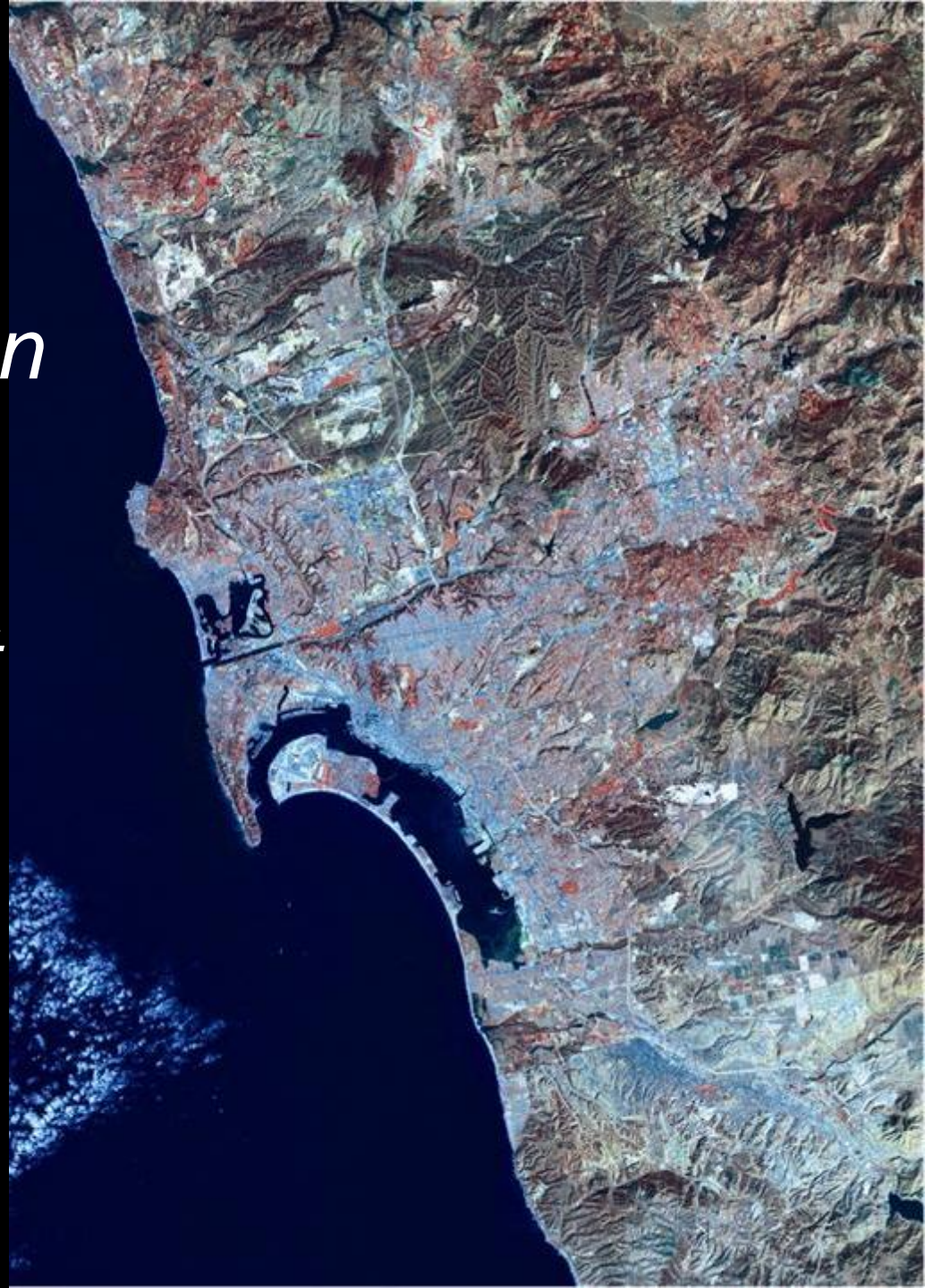


Climate Initiative - Approach

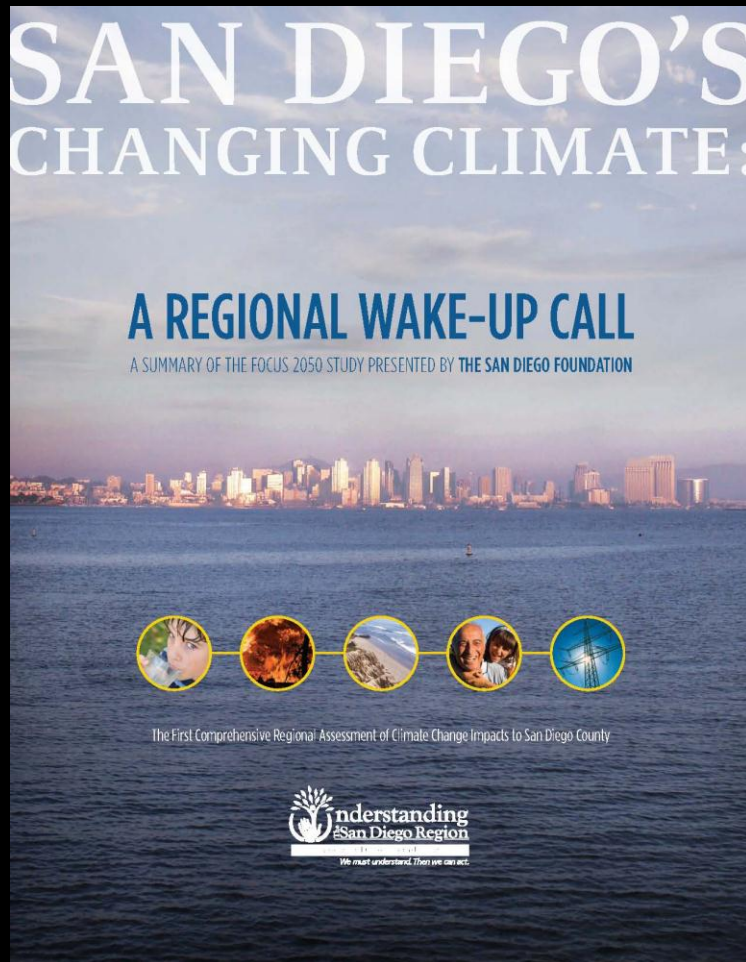
1. Research to Inform Public Policy
2. Technical Assistance
3. Build Public Awareness
4. Convening /Collaboration
5. Nonprofit and Community Engagement



*What will our region
look like in 2050
due to climate
change, if current
trends continue?*



Focus 2050 Study



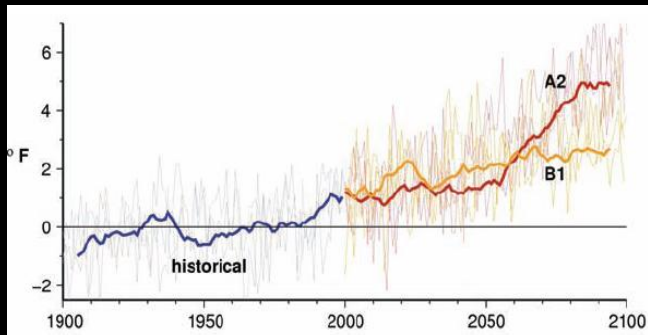
- Based on a study in King County, Washington
- 40+ scientists & technical experts
- Submitted to the California Climate Change Center

Available at: <http://www.sdfoundation.org/CivicLeadership/StudiesResearchReports.aspx>

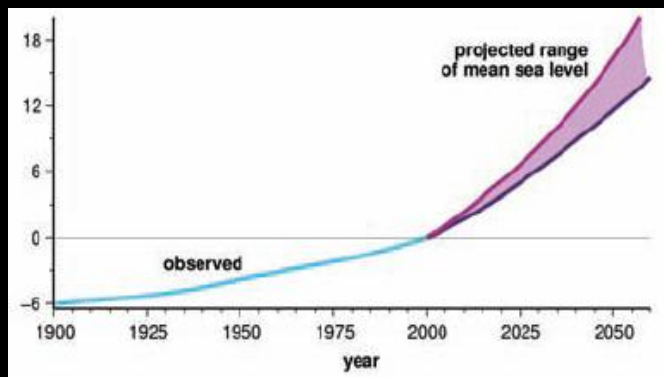
Focus 2050 Study Findings

If current trends continue, by 2050...

Projected Annual Temperatures for San Diego County until 2100

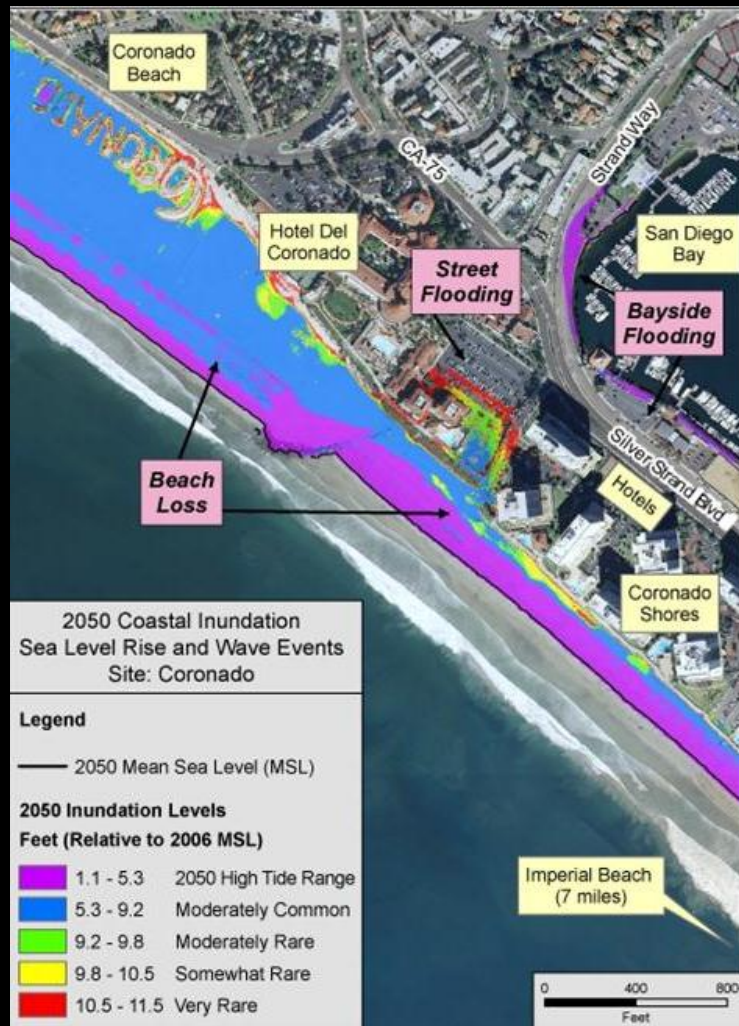


Projected Sea Level Rise for San Diego County until 2050



- Average annual temperatures will be 1.5 - 4.5°F hotter.
- Sea level will rise up 12 -18 in higher.
- We will face a severe water shortage.
- Wildfires will be more frequent & intense.
- Native plant & animal species will be lost.
- Public health will be at risk, especially among the elderly & children.

Focus 2050: Coastal Flooding

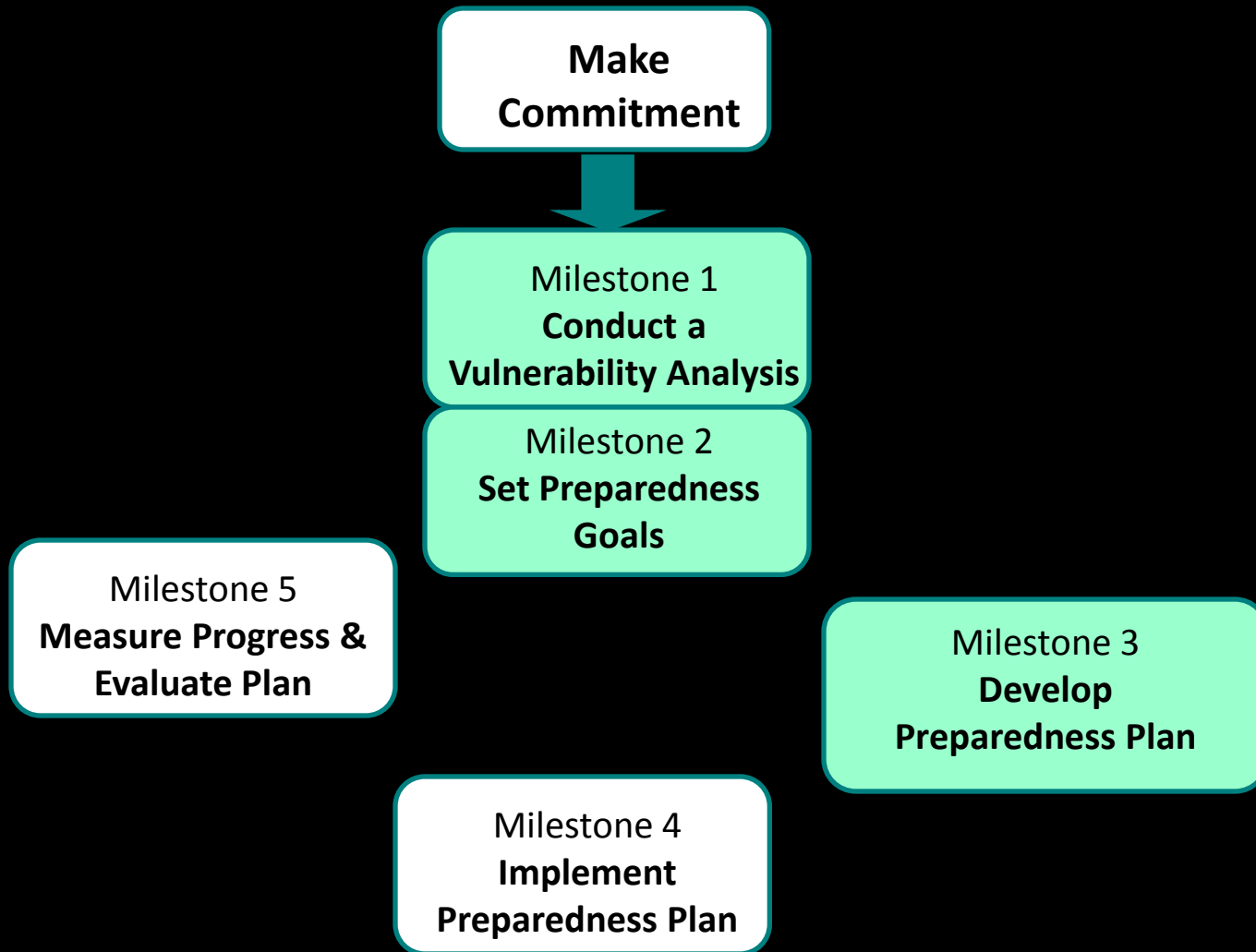


Coronado



Mission Beach

Pilot Project: ICLEI San Diego Bay Sea Level Rise Adaptation Strategy



Pilot Project: Stakeholders

- Metropolitan Planning Organization (SANDAG)
- Caltrans, District 11
- San Diego Airport Authority
- Metropolitan Transit System
- San Diego Gas & Electric
- US Navy
- City Center Development Corporation
- Urban Land Institute
- Building Industry Association
- Water Quality Control Board
- Port Tenants Association
- North County Cities
- Environmental Health Coalition



- Wildcoast
- Coastkeeper
- Surfrider Foundation
- Sierra Club
- CalCoast
- CA Coastal Commission
- Army Corps of Engineers
- California Fish and Game
- US Fish and Wildlife
- State Lands Commission

Other Adaptation Planning Efforts



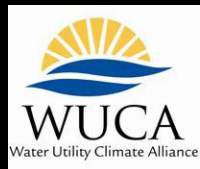
- City of Chula Vista- Climate Adaptation Strategy



- City of San Diego- Climate Action Plan Update



- Port of San Diego – Climate Action Plan



- San Diego County Water Authority – WUCA



- NAVY/SPAWAR Analysis of Vulnerabilities



- SANDAG – Regional Climate Action Plan

Other Funded Research

- 8 Follow up studies on impacts
- San Diego County Water Authority
- Public Opinion Research
- Clean Jobs Report

Mitigation:

- Inventories, Policy Analysis, Community Tools

Good News from Other Research

While we can't afford to wait to address climate change.....

There is public support regionally to do so

There is economic opportunity in doing so

Local governments and public agencies aren't alone in their efforts



Public Opinions on Climate Change

Change

Fairbanks, Maslin, Maullin, Metz & Associates – FM3, August 2010

72%
Agree

“San Diego County should take a statewide leadership position in setting goals for reducing greenhouse gas emissions”

77%
Agree

“We can have a clean environment and a strong economy at the same time without having to choose one over the other.”

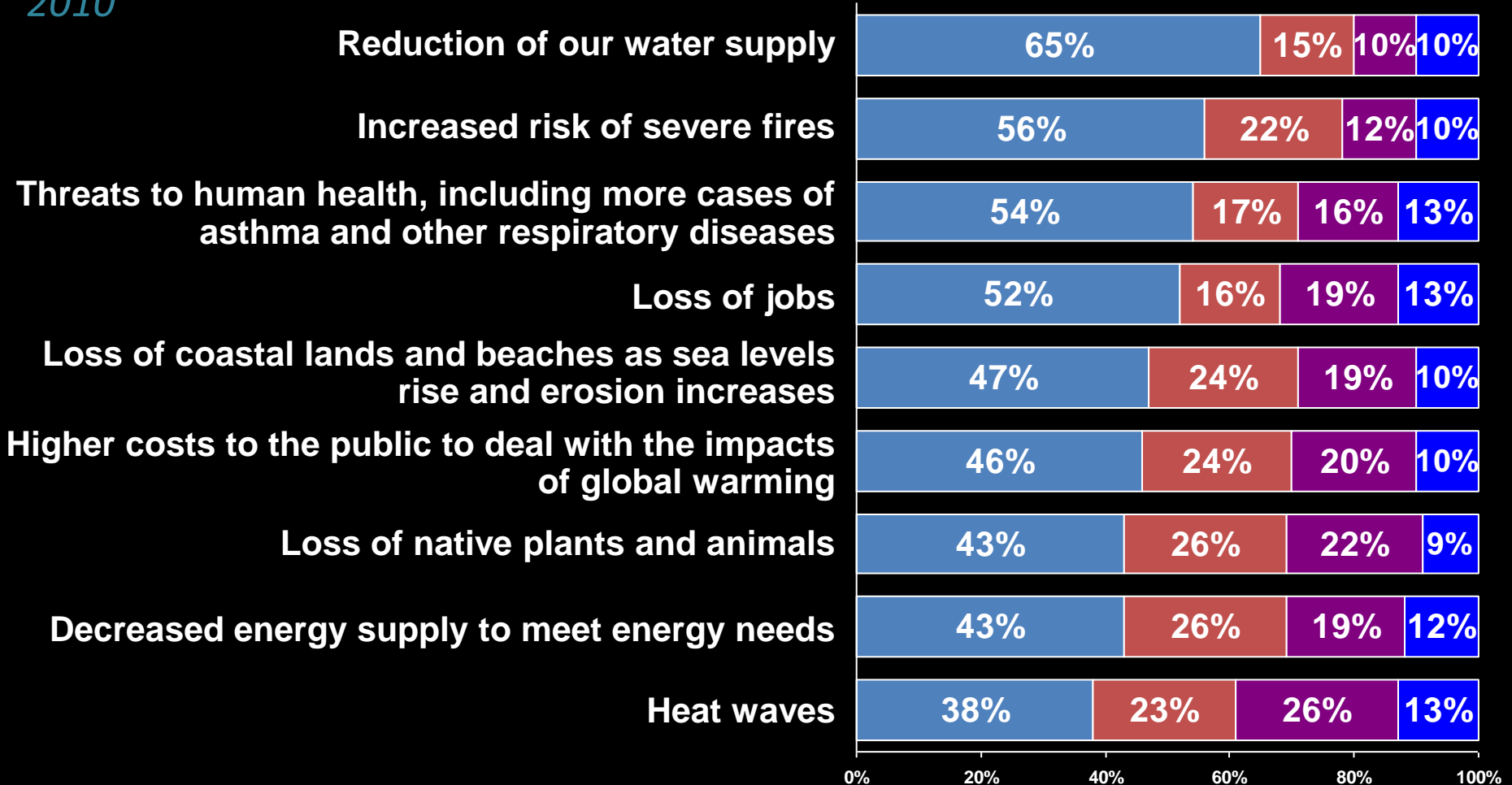
Methodology: From August 10-18, 2010, FM3 completed 1,205 telephone interviews with registered voters in San Diego County. The margin of error for the full sample is +/- 3.1%; margins of error for subgroups within the sample are higher.

Public Opinions on Climate Change

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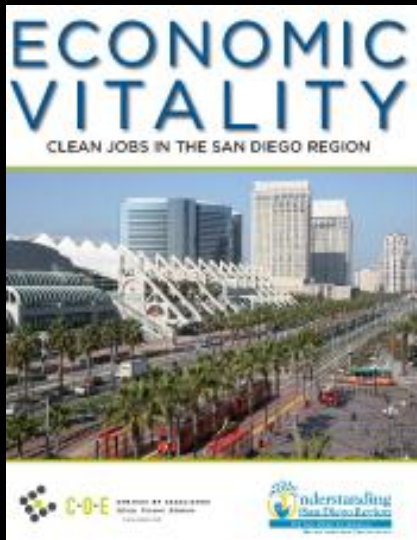
2010

■ Ext./Very Conc. ■ S.W. Conc. ■ Not Too Conc. ■ Don't Bel./DKNA



How concerned you are about each potential impact of global warming: extremely concerned, very concerned, somewhat concerned or not too concerned?

Our Region's Economic Bright Spot



- 1 in 10 jobs connected to clean tech now in the San Diego region
- \$445 M in investment in past 5yrs
- Future: \$1 billion and 27,000 jobs



Action on Climate Change: 2006

US Mayors/Climate
Action Registry

- Del Mar

Greenhouse Gas
Inventories

- Chula Vista and San Diego

Local Climate Action
Plans

- Chula Vista and San Diego

Other Regional Plans



Action on Climate Change: 2011

US Mayors/Climate Action Registry

- **13 Local Governments Committed**, including Carlsbad, Coronado, Chula Vista, Del Mar, El Cajon, Encinitas, Imperial Beach, La Mesa, National City, San Diego, Solana Beach, Vista, and the County.

Greenhouse Gas Inventories

- **All 19 Local Governments** (Seven cities' inventories will be finished by February 2011), as well as Port of San Diego and San Diego County Water Authority

Local Climate Action Plans

- **Chula Vista and San Diego.** Plans for the County of San Diego, Del Mar, Encinitas, Escondido, National City, Solana Beach, and Vista in development

Other Regional Plans

Port of San Diego: *Mitigation and Adaptation Plan*

ICLEI Pilot Project: San Diego Bay Adaptation Strategy

SANDAG: *SB375 Sustainable Communities Strategy; Regional Climate Action Strategy*

San Diego County Water Authority: *Master Plan*

US Navy Region Southwest



The San Diego Foundation's *Climate Initiative*



Thank you!

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