

# BRIDGING the CAP.

*From Climate Action Planning and  
Implementation to  
Healthy Communities in  
Santa Barbara and San Diego Counties*





# Panelists

## □ **Darin Neufeld, AICP - Moderator**

- CEQA Team Manager, County of San Diego Planning & Development Services
- San Diego AEP Secretary

## □ **Laurel G. Lees**

- Sustainability Team Manager, County of San Diego Planning & Development Services
- San Diego AEP Vice President of Membership

## □ **Poonam Boparai**

- Senior Air Quality and Climate Change Specialist, Ascent Environmental, Inc.

## □ **Mindy Fogg**

- Supervising Planner, County of Santa Barbara
- California AEP Director-at-large

## □ **Selena Evilsizor, AICP**

- Planner, County of Santa Barbara Planning and Development

## □ **Shelley Saitowitz, MPH**

- Community Health Program Specialist, County of San Diego Health and Human Services Agency



# Agenda



1. Developing the County of San Diego's Climate Action Plan
2. Integrating Health into Climate Action Plans
3. Implementing the County of Santa Barbara's Energy and Climate Action Plan
4. Understanding Climate Impacts on Public Health





# DEVELOPING THE COUNTY OF SAN DIEGO'S CLIMATE ACTION PLAN (CAP)

**AEP CONFERENCE**  
**MAY 20, 2017**



# Why is the County preparing a CAP?

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## REGULATORY FRAMEWORK

### GOAL:

Executive Order S-3-05 established statewide 2050 goal: **80% below 1990 levels by 2050**

### MANDATE:

AB 32 set statewide GHG reduction requirement: **1990 levels by 2020**

### GUIDELINE:

CARB 2020 Scoping Plan

### REVISED

### MANDATE:

SB 32 amended AB 32 statewide requirement: **40% below 1990 levels by 2030**

### GUIDELINE:

CARB Draft 2030 Scoping Plan

2005

2006

2007-  
2010

2011

2012

2013

2014

2015

2016

2017

2018

Board adopts General Plan Update and certifies EIR

Board adopts CAP and Addendum  
Sierra Club challenges in court

CAP litigation concludes; rescinds documents

**CAP project begins**

Board to consider CAP, Threshold and EIR by March 2018 as directed by the court

## CLIMATE ACTION PLAN



# How is it being developed?

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- **Public Outreach and Engagement Plan – AEP AWARD WINNER**
- **2014 Baseline Inventory (Production), Projections, Post-2020 Targets**
- **Existing Achievements, Potential GHG Reduction Measures, Adaptation**
- **Gap Analysis, Draft Reduction Measures, Local Benefits, Preliminary Cost Estimates**
- **Working Draft CAP and EIR**
- **CEQA Public Review** **July – August 2017**
- **Planning Commission Hearing** **Late 2017**
- **Board of Supervisors Hearing** **Early 2018**
- **Implementation** **Ongoing**
  - Annual monitoring and corrective actions
  - 2-year inventory updates – **SANDAG REGIONAL FRAMEWORK?**
  - 5-year plan updates



# Engage Early and Often

7

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## Sustainability Task Force (internal team)

- ▣ Agriculture, Weights and Measures
- ▣ Air Pollution Control District
- ▣ County Counsel
- ▣ Environmental Health
- ▣ General Services
- ▣ Health & Human Services Agency
- ▣ Human Resources
- ▣ Live Well San Diego Food Systems Initiative
- ▣ Office of Emergency Services
- ▣ Parks and Recreation
- ▣ Planning & Development Services
- ▣ Public Works

## Technical & Facilitation Consultants



100+ Community Events

60+ Stakeholder Groups

4 Visioning Sessions

2+ Public Workshops

2+ Planning Commission

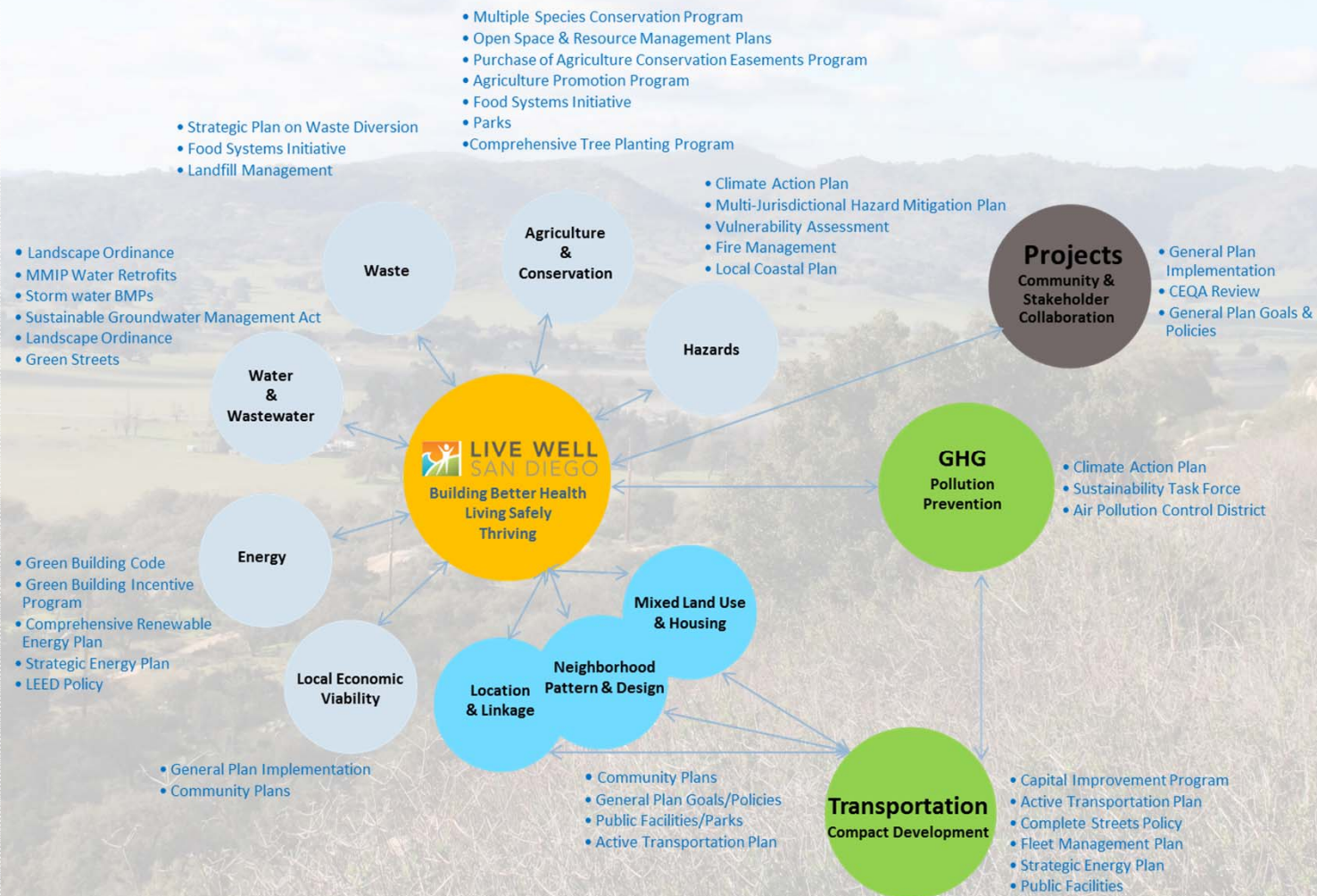
Informational Items



# Map the Accomplishments and Alignment

8

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# Identify “Achievables”





# Learn from Each Other

10

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- Remember the context and purpose
- Ensure “functional threading” with implementers
- Emphasize implementation by working backwards
- Capture existing plans, programs, policies, initiatives
- Build ROI into scope, schedule, budget – to focus on biggest impact
- Provide an outreach plan and leverage resources to implement it
- Acknowledge nuances and limitations
- Storyboard it with the “B.L.U.F.”
  - Enterprise/Fiscal Impact
  - Business Impact/Cost to Development
  - Local Benefits and Strategic Alignment with Initiatives, including Health
  - Triple Bottom Line Stakeholder Benefits and Concerns



# Thoughts – Thank You

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## ABSTRACT

## Two UC Berkeley Professors, 1973

The search for scientific bases for confronting problems of social policy is bound to fail, because of the nature of these problems. They are “wicked” problems, whereas science has developed to deal with “tame” problems. Policy problems cannot be definitively described. Moreover, in a pluralistic society there is nothing like the undisputable public good; there is no objective definition of equity; policies that respond to social problems cannot be meaningfully correct or false; and it makes no sense to talk about “optimal solutions” to social problems unless severe qualifications are imposed first. Even worse, there are no “solutions” in the sense of definitive and objective answers.

*If I were starting out today and looking for the same kind of opportunity to make a big impact in the world, I would consider three fields.*

*One is artificial intelligence. We have only begun to tap into all the ways it will make people's lives more productive and creative.*

*The second is energy, because making it clean, affordable, and reliable will be essential for fighting poverty and climate change.*

*The third is biosciences, which are ripe with opportunities to help people live longer, healthier lives.*

## Richest Person on Earth, 2017





# INTEGRATING HEALTH INTO CLIMATE ACTION PLANS

**AEP CONFERENCE**  
**MAY 20, 2017**



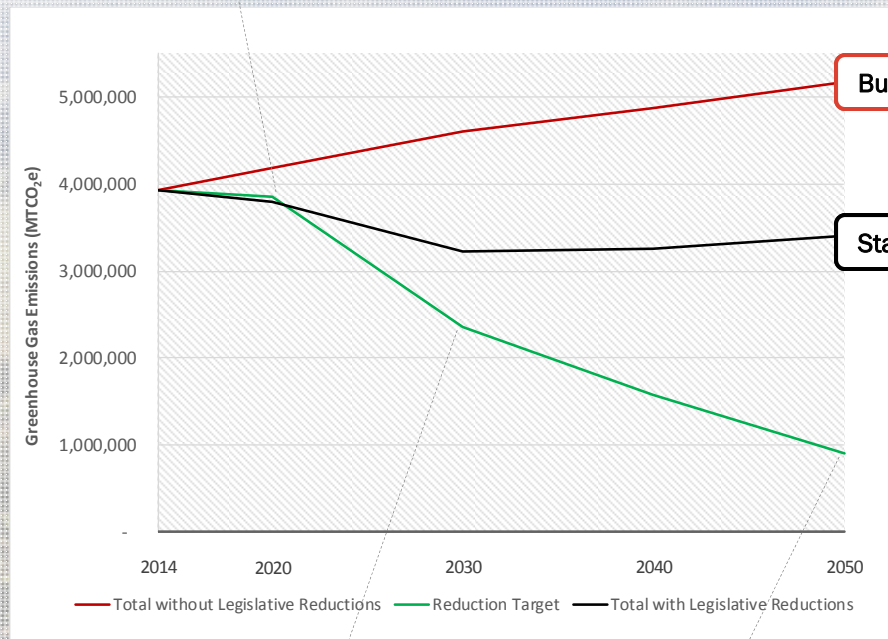
# California Health and Safety Code, Division 25.5

- Global warming poses a serious threat to the economic well-being, *public health*, natural resources, and the environment of California. (emphasis added)
- The state board shall evaluate the total potential costs and total potential economic and noneconomic benefits of the plan for reducing greenhouse gases to California's economy, environment, and *public health*, using the best available economic models, emission estimation techniques, and other scientific methods. (emphasis added)



# Baseline Emissions Inventory, Projections, and Targets

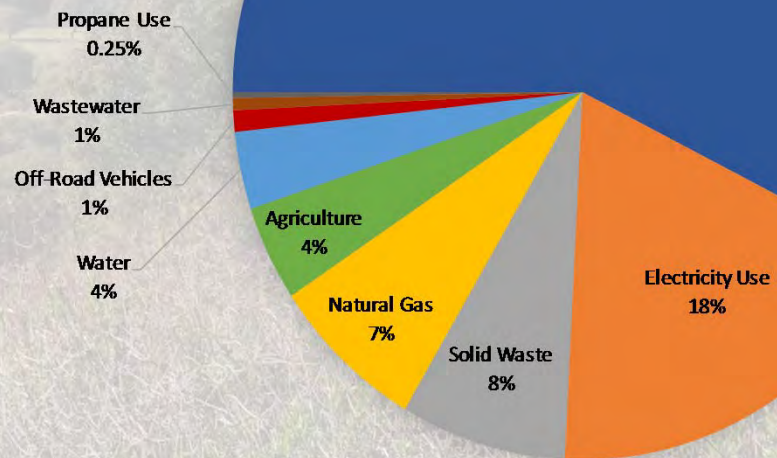
2014



**2020 Target:**  
2% below 2014 by 2020  
Exceeding Target by over  
56,000 MTCO<sub>2</sub>e

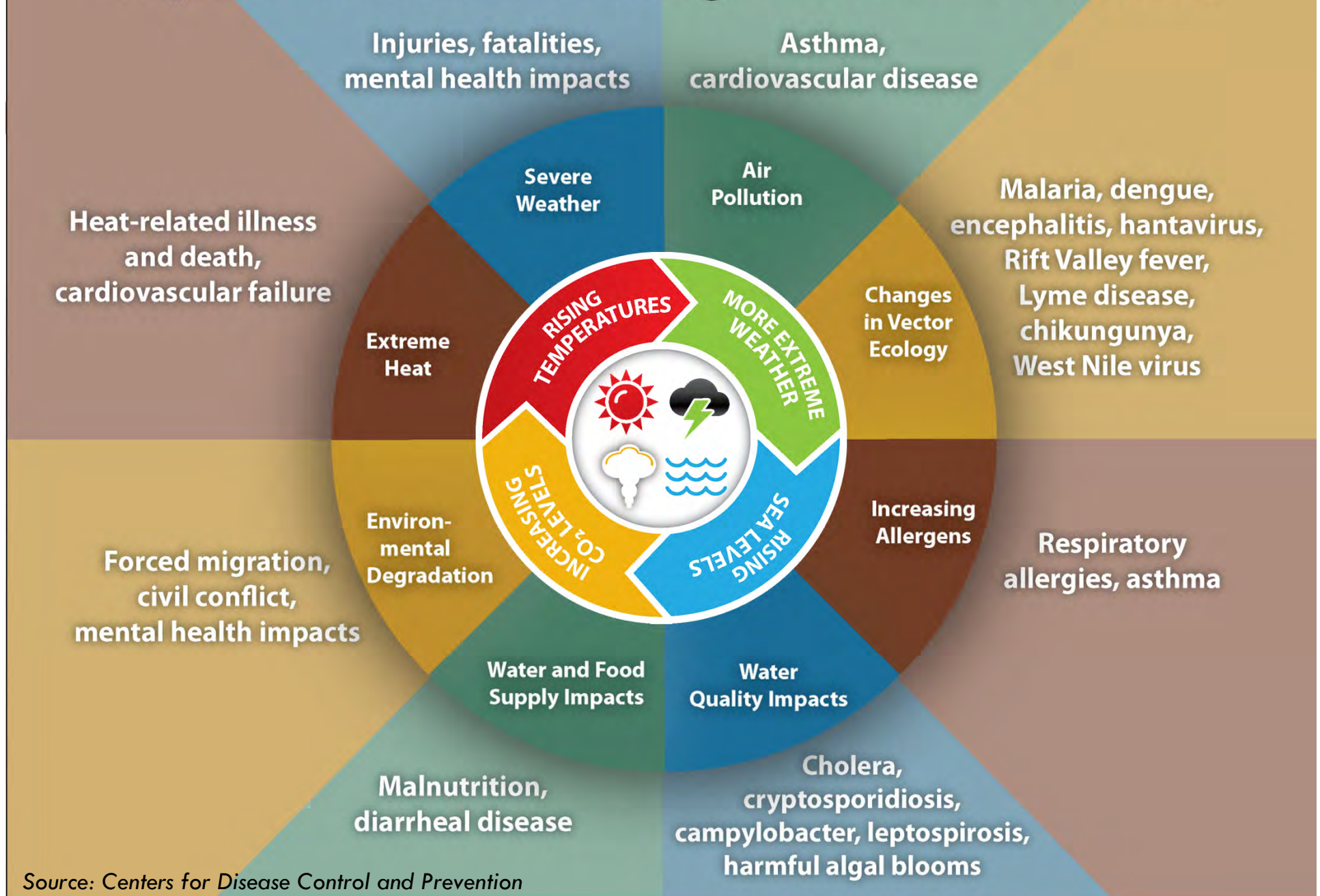
**2030 Target:**  
40% below 2014 by 2030

**2050 Goal:**  
77% below 2014 by 2050





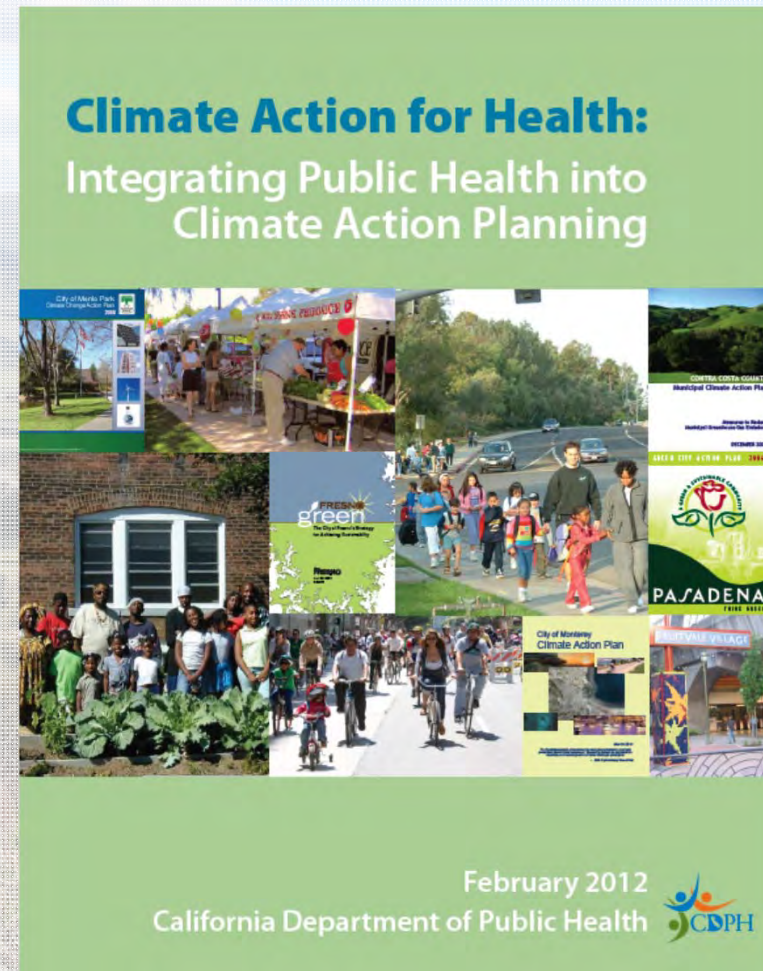
# Impact of Climate Change on Human Health





# Integrating Public Health into CAPs

- ❑ Health co-benefits
- ❑ Motivator for action
- ❑ Intersection with health and social equity
- ❑ Resource sharing
- ❑ Leverage local investments in community well-being





# Where to Include Health Content in CAPs?

**Mitigation**

H  
E  
A  
L  
T  
H

**Adaptation**





# IMPLEMENTING THE COUNTY OF SANTA BARBARA ENERGY AND CLIMATE ACTION PLAN (ECAP)

**Mindy Fogg**  
**Selena Evilsizor**

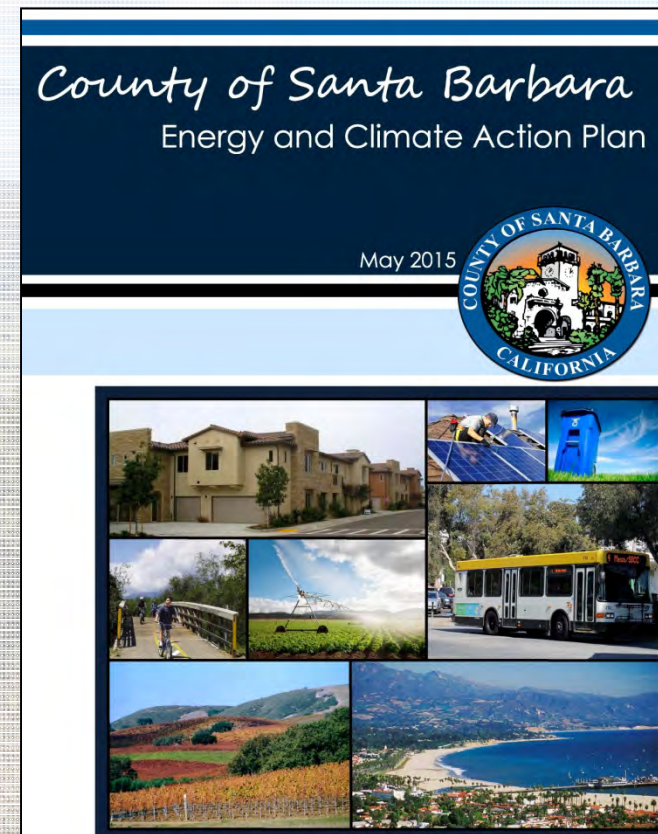
**AEP CONFERENCE**  
**MAY 20, 2017**



# ECAP Overview

19

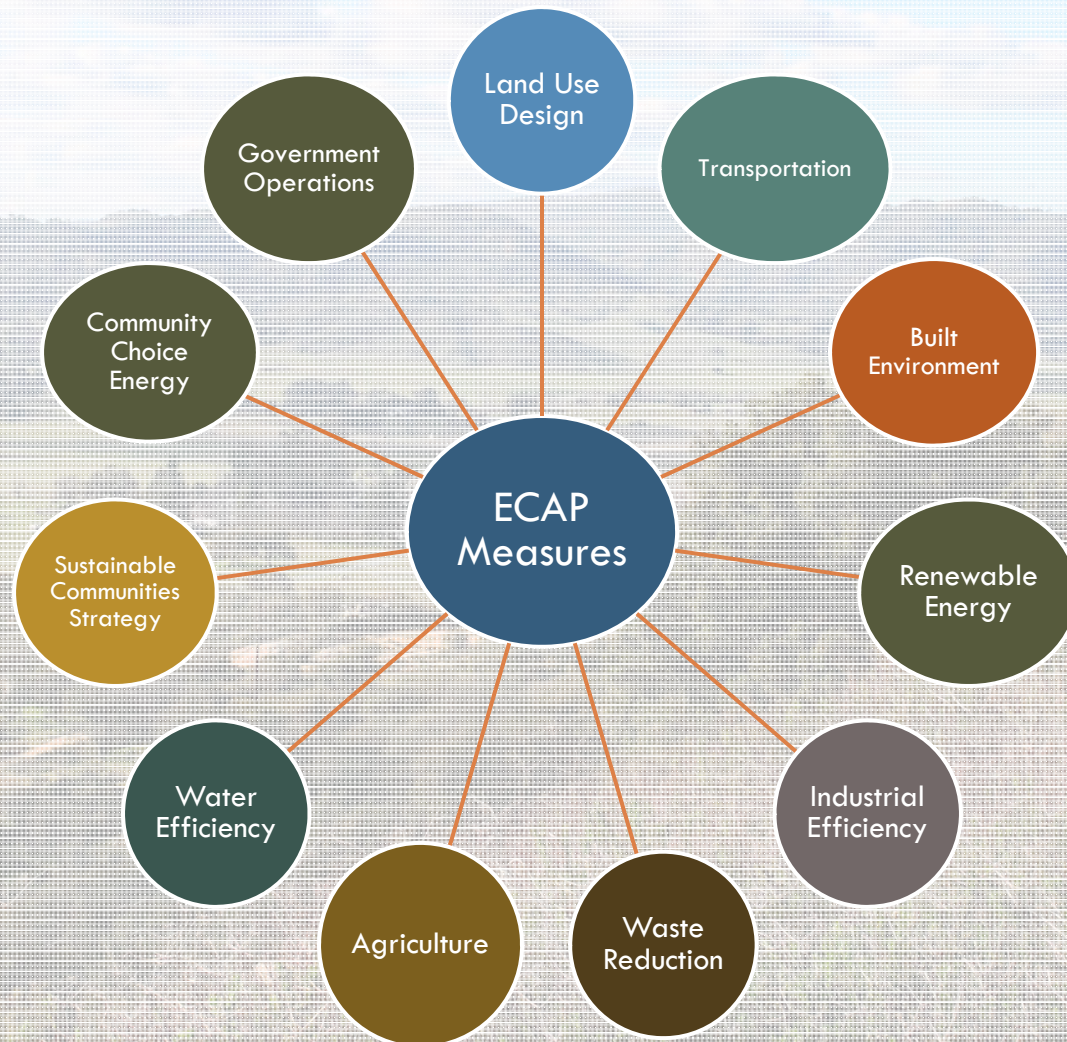
- ▶ Applies to Unincorporated County
- ▶ Does not include Stationary Industrial Sources
- ▶ Emission reduction measures
  - ▶ Combination of mandatory, phased, and voluntary
- ▶ 15% GHG reduction target by 2020





# Measure Topics

20





# Community Co-Benefits

21

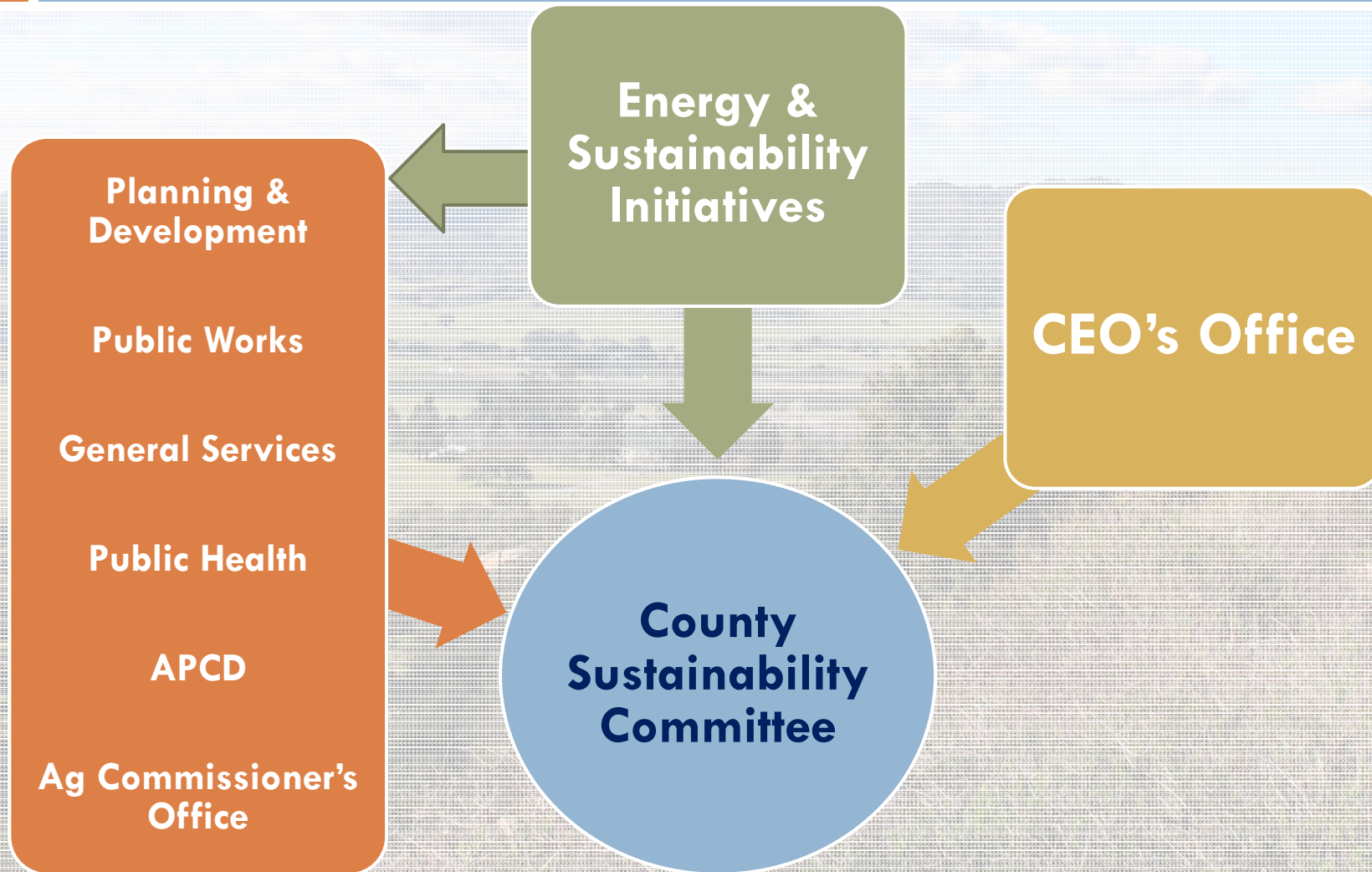
- Improves Public Health
- Increases Mobility
- Supports Local Economy/Jobs
- CEQA Tiering/Streamlining





# ECAP Implementation

22





# Implementation Efforts

23

- Monitoring and Reporting
- Development Applications/Building Permits
- New/Updated Ordinances
- Education and Outreach
- Plan Updates



# Measures – T 3/ RE 1

24

- **T 3/RE 1** – Proposed ordinance to require **new** dwelling units to be solar and electric vehicle ready

## Measure T 3

2020 GHG Reduction  
1,670

2035 GHG Reduction  
3,650

Responsible Department(s)  
Planning and Development

### Co-Benefits



## Measure RE 1

2020 GHG Reduction  
1,660

2035 GHG Reduction  
4,790

Responsible Department(s)  
Community Services  
Planning and Development

### Co-Benefits





# Implemented Measures

25





# Future Measures

26

Land Use  
Design

## Measure LUD 1

2020 GHG Reduction  
460

2035 GHG Reduction  
1,050

Responsible Department(s)  
Planning and Development

### Co-Benefits



## Measure T 4

2020 GHG Reduction  
1,330

2035 GHG Reduction  
2,430

Responsible Department(s)  
Public Works  
Planning and Development

### Co-Benefits

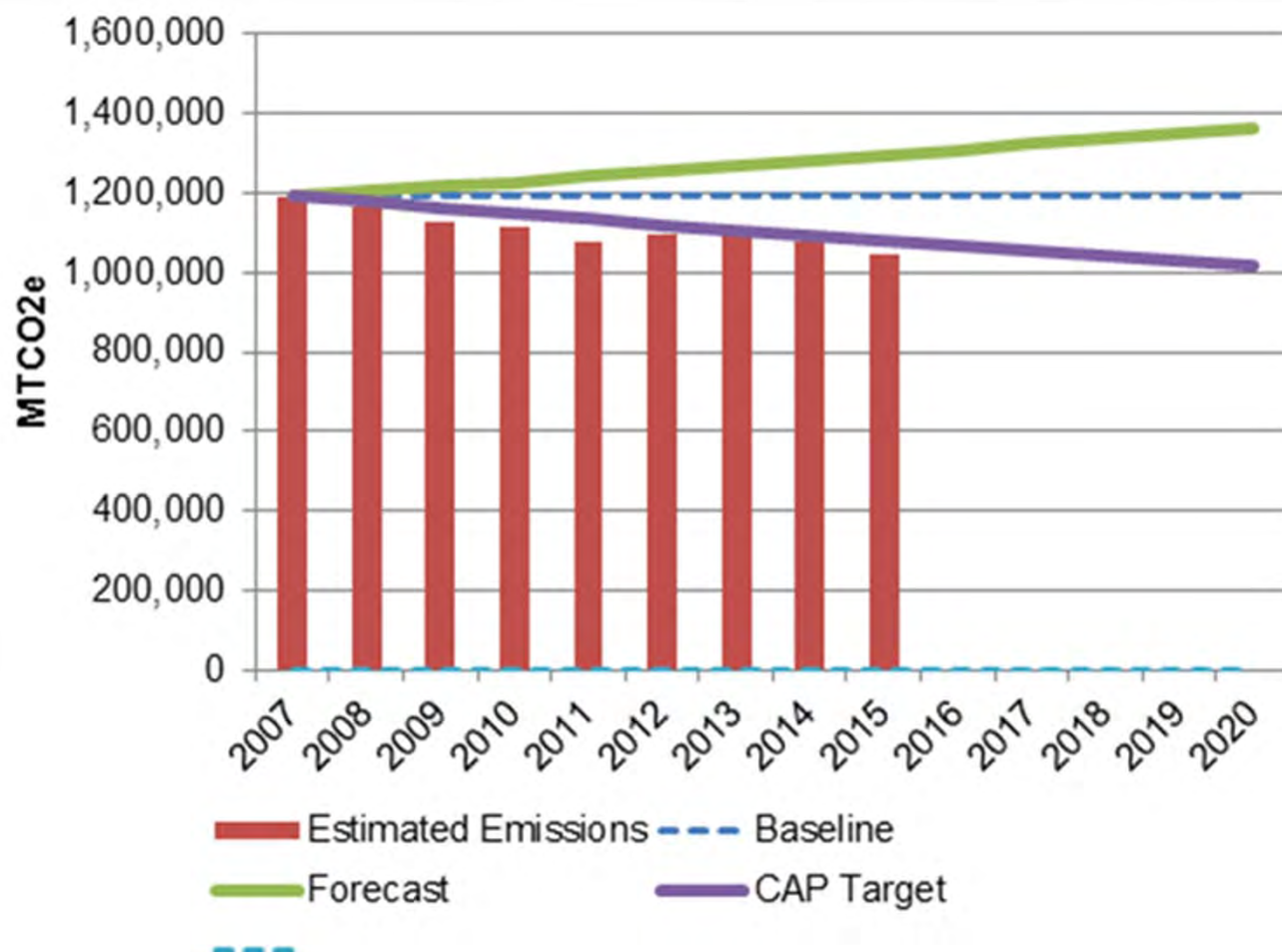


Transportation



# Progress

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# Benefits Since ECAP Adoption

28

- Energy-efficiency efforts more embedded in Government Operation decisions
- GHG emission goals will tie into future County planning efforts
- More frequent collaborations within County departments and between the County and outside agencies/organizations
- Increased availability and promotion of energy-efficiency programs and opportunities to the public
- Linkages between climate change and health are being made



# Lessons Learned

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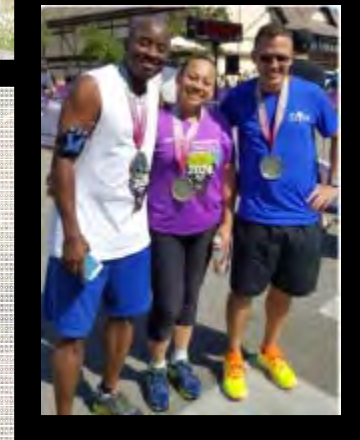
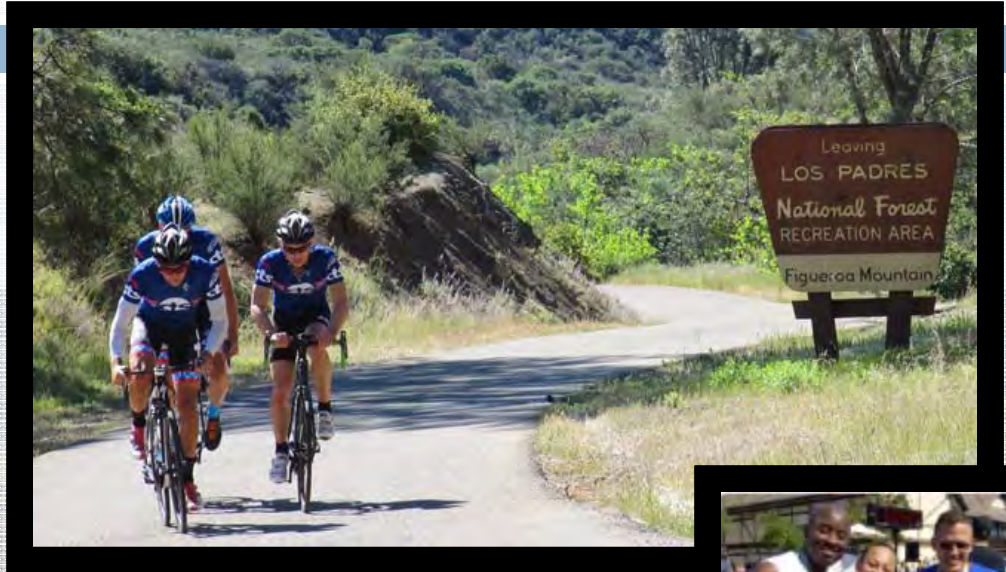
- ❑ Need buy-in from more than just department heads
- ❑ CEO commitment to monitor long-term
- ❑ Identify funding sources
- ❑ Test the monitoring tool and retain a contract with the developer
- ❑ Aspirational measures should be identified clearly
- ❑ Provide general time frames (e.g., near term vs long-term goals)
- ❑ Need to explicitly link to Community Health...





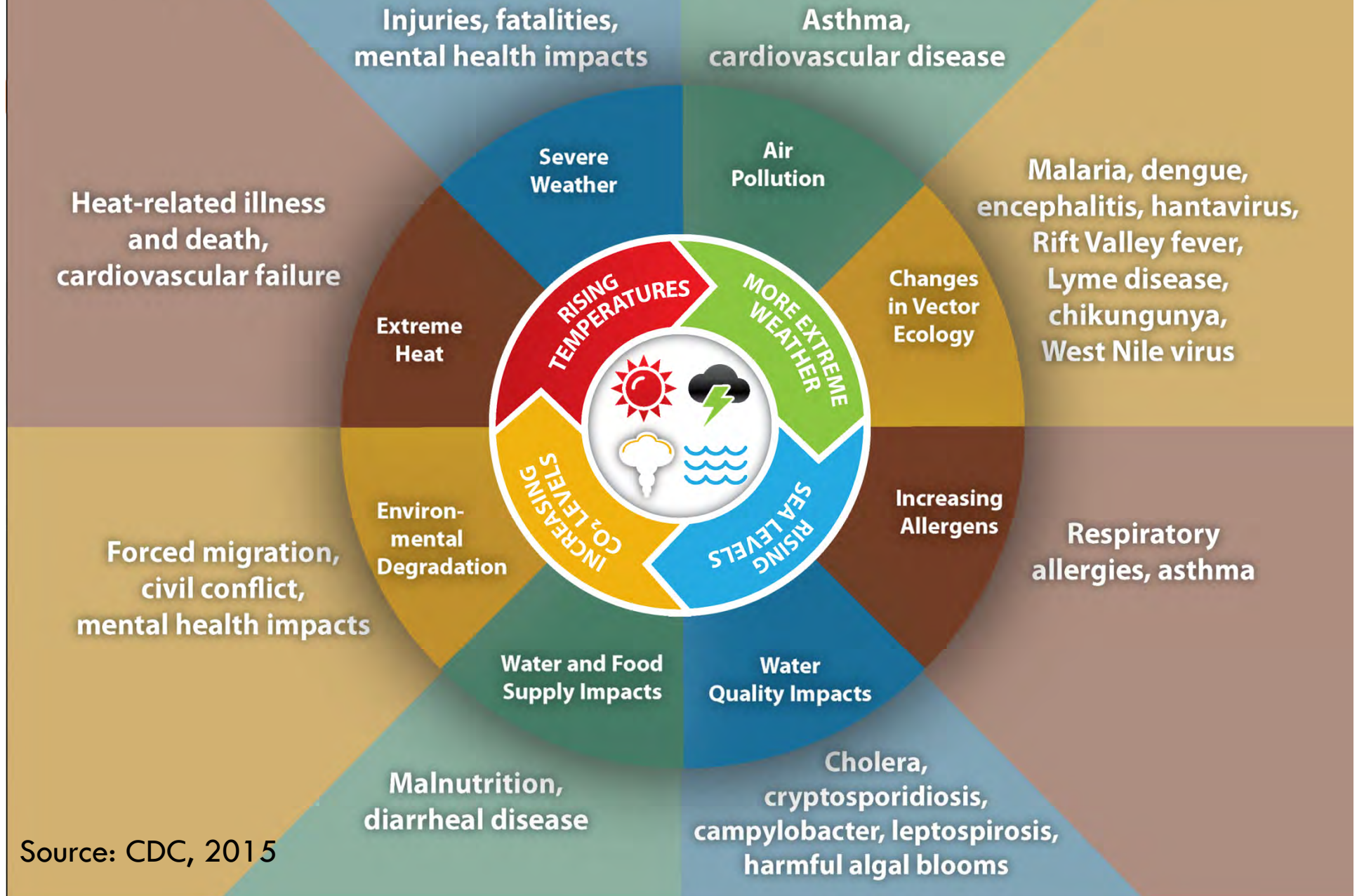
# Bridging the CAP / HiAP Gap

30





# Impact of Climate Change on Human Health





# SBC Community Health Assessment

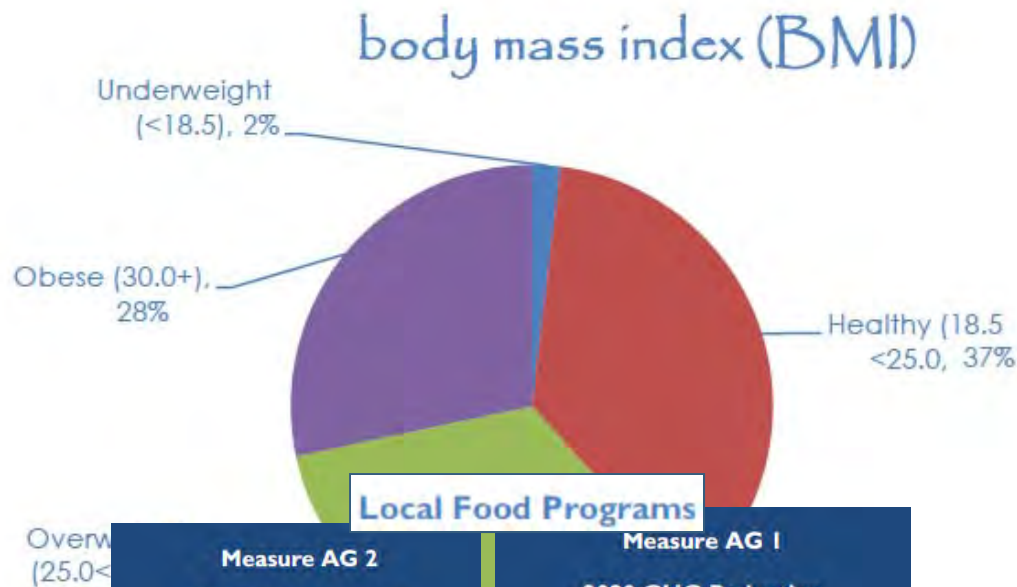
32





# Addressing Obesity

33



**Measure AG 2**

2020 GHG Reduction  
N/A

2035 GHG Reduction  
N/A

Responsible Department(s)  
Planning and Development  
UCCE/Agricultural Commissioner

Co-Benefits

**Measure AG 1**

2020 GHG Reduction  
N/A

2035 GHG Reduction  
N/A

Responsible Department(s)  
Planning and Development  
UCCE/Agricultural Commissioner

Co-Benefits

**Measure T 4**

2020 GHG Reduction  
1,330

2035 GHG Reduction  
2,430

Responsible Department(s)  
Public Works  
Planning and Development

Co-Benefits

## Alternative and Active Transportation

**Measure T 5**

2020 GHG Reduction  
1,720

2035 GHG Reduction  
2,480

Responsible Department(s)  
Public Works

Co-Benefits



# Community Health Improvement Plan (CHIP)

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Santa Barbara County  
Public Health Department



# Community Health Improvement Plan

## Goals, Objectives and Activities

Objectives	Data Sources to Measure Objectives	Activities	Activity Partners
<b>GOAL #1:</b> Obesity Prevention – Increase the number of county residents who maintain a healthy weight and decrease the number of county residents in the obese category leading to better health outcomes and a healthier community.			
IA. By December 31, 2020, increase the percentage of adult residents with a healthy BMI (between 18.5 & 24.9) by 5% over 2016 rates. 	A. California Health Information Survey, Department of Education, Health Care Centers, Health Information Exchange data for Sansum, Cottage, Neighborhood Clinics	1. Review proposed Planning and Development projects for elements that promote health and physical activity (e.g. bike and walk paths). 2. Implement elements of the Food Action Plan and Healthy Eating Active Living (HEAL) resolutions that encourage full family participation in healthy eating and physical activity.	1. City and County Planning and Development Departments, Bike Coalition, Healthy Lompoc 2. Food Bank, Live Well Santa Barbara County, People Helping People, Healthy Lompoc, UC Cooperative Extension, Healthy People, Healthy Trails
IB. By December 31, 2020, reduce the number of children in the WIC program in the obese BMI range to the Healthy People 2020 goal of 9.4%.	B. Women, Infants and Children program 	3. Incentivize retailers to carry healthy snacks and fresh produce in their stores along with consideration of the placement of advertisement and unhealthy items. 4. Highlight successes with retailers and restaurants who serve healthy food by listing them on the PHD website.	3. Tobacco Program, cities in jurisdiction including Lompoc, and Santa Maria  4. Nutrition Education Obesity Prevention Program, Environmental Health Services
IC. By December 31, 2020, increase the number of miles of connected bike paths from baseline by 20%.	C. Bike Coalition, Planning and Development Department	5. Obtain and use tools to measure walkability and physical activity such as tools from the Safe Routes to Schools projects. 6. Outreach to organizations such as sports and recreation entities to focus on healthy food and drinks.	5. Healthy Lompoc, UC Cooperative Extension  6. Youth and adult athletic and sports leagues, Parent Teacher organizations



# Live Well Santa Barbara

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## OUR MISSION, PURPOSES AND STRUCTURE

The primary collaborative focus of Live Well Santa Barbara County is providing health education and advocating for health in all policies and programs. The coalition includes representation from organizations, agencies, and government officials with an interest in nutrition, physical activity, public health, the environment, and health care.



**LIVE WELL**  
SANTA BARBARA COUNTY

### HEALTH IN ALL POLICIES

*A Guide For State and Local Governments*



[livewellsbc.org](http://livewellsbc.org)



# Healthy Eating Active Living (HEAL)

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## Land Use

Access to everyday physical activity through sidewalks and bike paths, the availability of parks and open space for recreation, close proximity of housing to grocery stores, farmers markets and community gardens all depend on good land use policies. Cities' land use tools of planning, zoning and infrastructure investment can have a positive impact on community health.

## Healthy Foods

Cities have powerful planning, economic development, and public relations tools to attract healthy food to underserved neighborhoods. Cities are focusing these tools on establishing healthy corner stores, grocery stores, farmer's markets, community gardens and urban farms in the neighborhoods that most need them.



# Complete Parks



ChangeLab Solutions



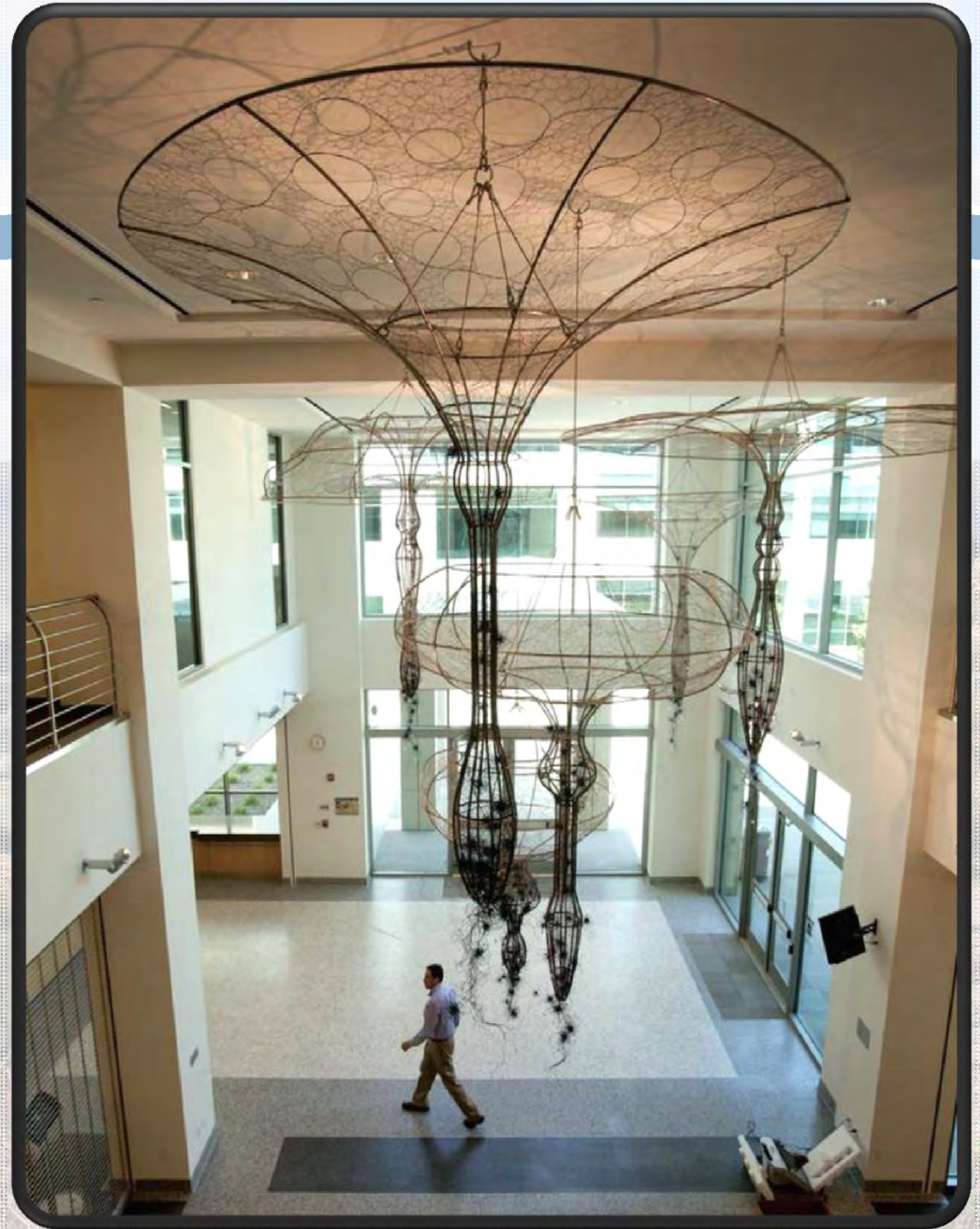
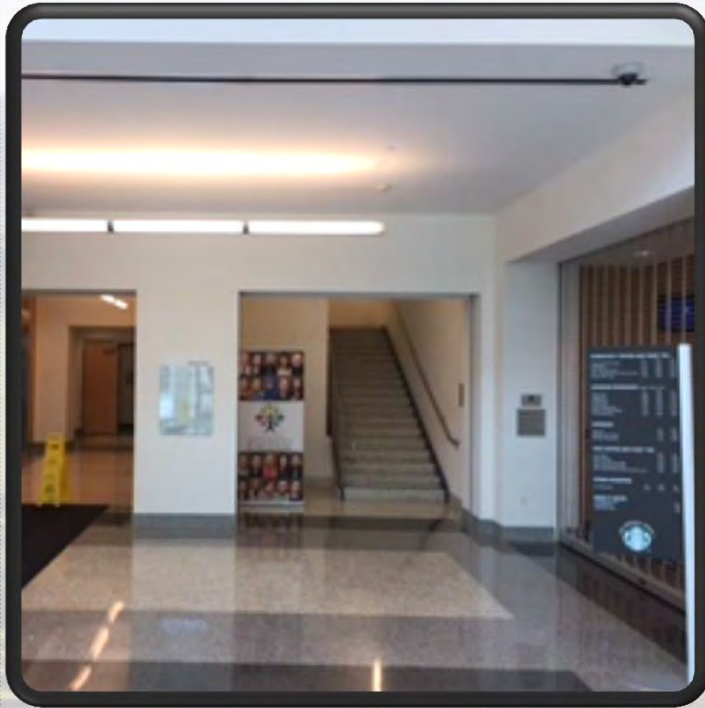


# SB County HEAL Resolution

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- **CIP** —————> **increase physical activity**
- **Land Use** —————> **walking & biking + TOD/MU**
- **Safe routes to schools**
- **Development** —————> **accessible to healthy food**
- **General Plan** —————> **Health in All Policies**









**Thank You**





# CLIMATE IMPACTS ON PUBLIC HEALTH: *SIGNIFICANT AND AVOIDABLE*

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*Shelley Saitowitz, MPH*

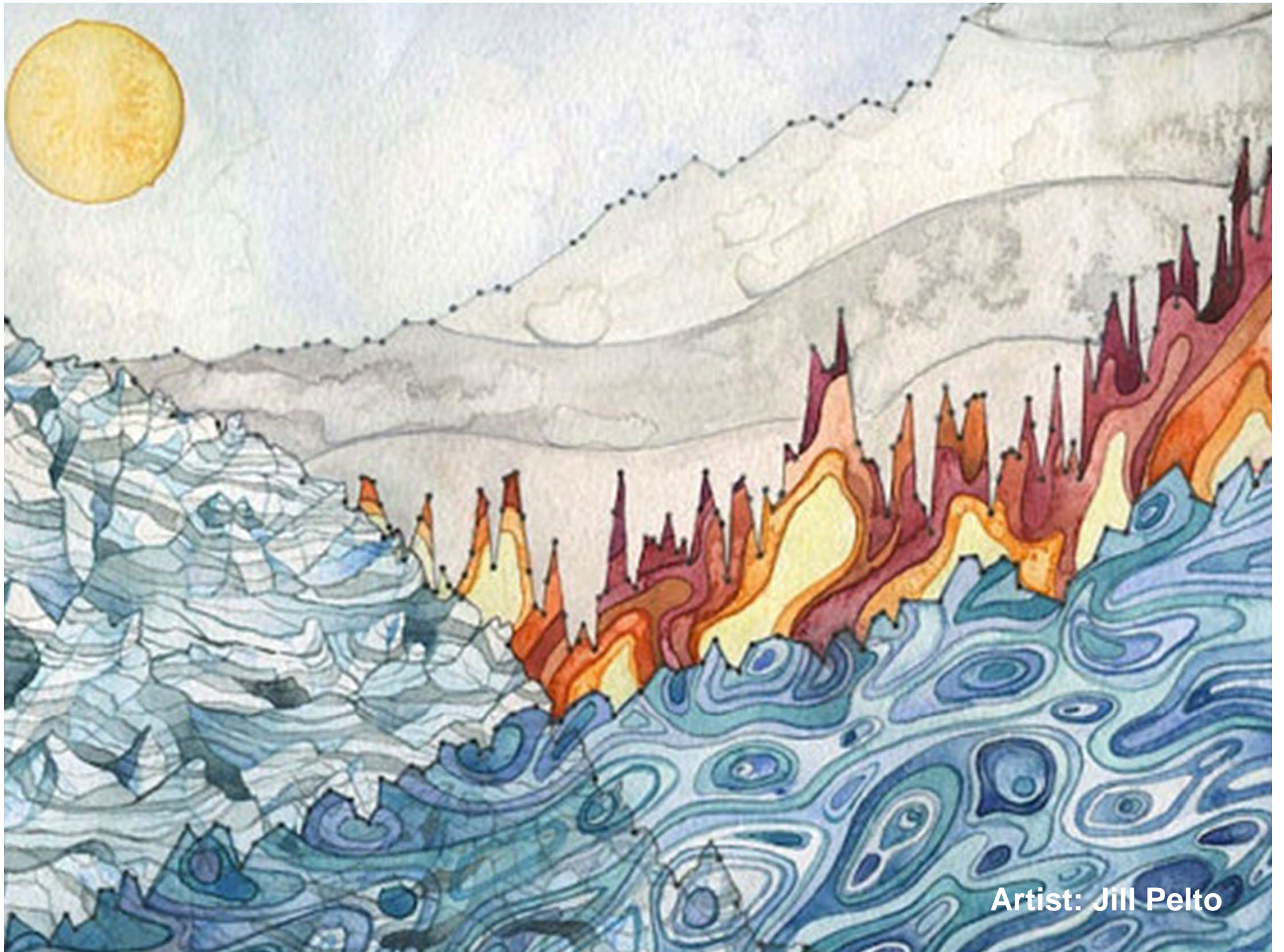
*May 20<sup>th</sup>, 2017*

*Association of Environmental Professionals Conference*

*San Francisco*







Artist: Jill Peltó





# WHAT DO OUR PUBLIC HEALTH LEADERS SAY?

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# CALL TO ACTION



LIVE WELL  
SAN DIEGO



American Academy  
of Pediatrics



DEDICATED TO THE HEALTH OF ALL CHILDREN™

**Medical and  
public health  
organizations  
call for action  
on climate  
change.**



AMERICAN PUBLIC HEALTH ASSOCIATION

*protect • prevent • live well*



# CLIMATE CHANGE IS BAD FOR PEOPLE



LIVE WELL  
SAN DIEGO



“We need to... convince the world that humanity really is the most important species endangered by climate change.”

—Margaret Chan, MD, Director-General, World Health Organization



“Climate change is one of the most serious public health threats facing our nation. Yet few Americans are aware of the very real consequences of climate change on the health of our communities, our families and our children.”

—Georges Benjamin, MD,  
Executive Director  
American Public Health Association





# LINKING CLIMATE CHANGE TO HEALTH IMPACTS

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# THE IMPACTS OF CLIMATE CHANGE ON HUMAN HEALTH

## IN THE UNITED STATES: A SCIENTIFIC ASSESSMENT



U.S. Global Change  
Research Program

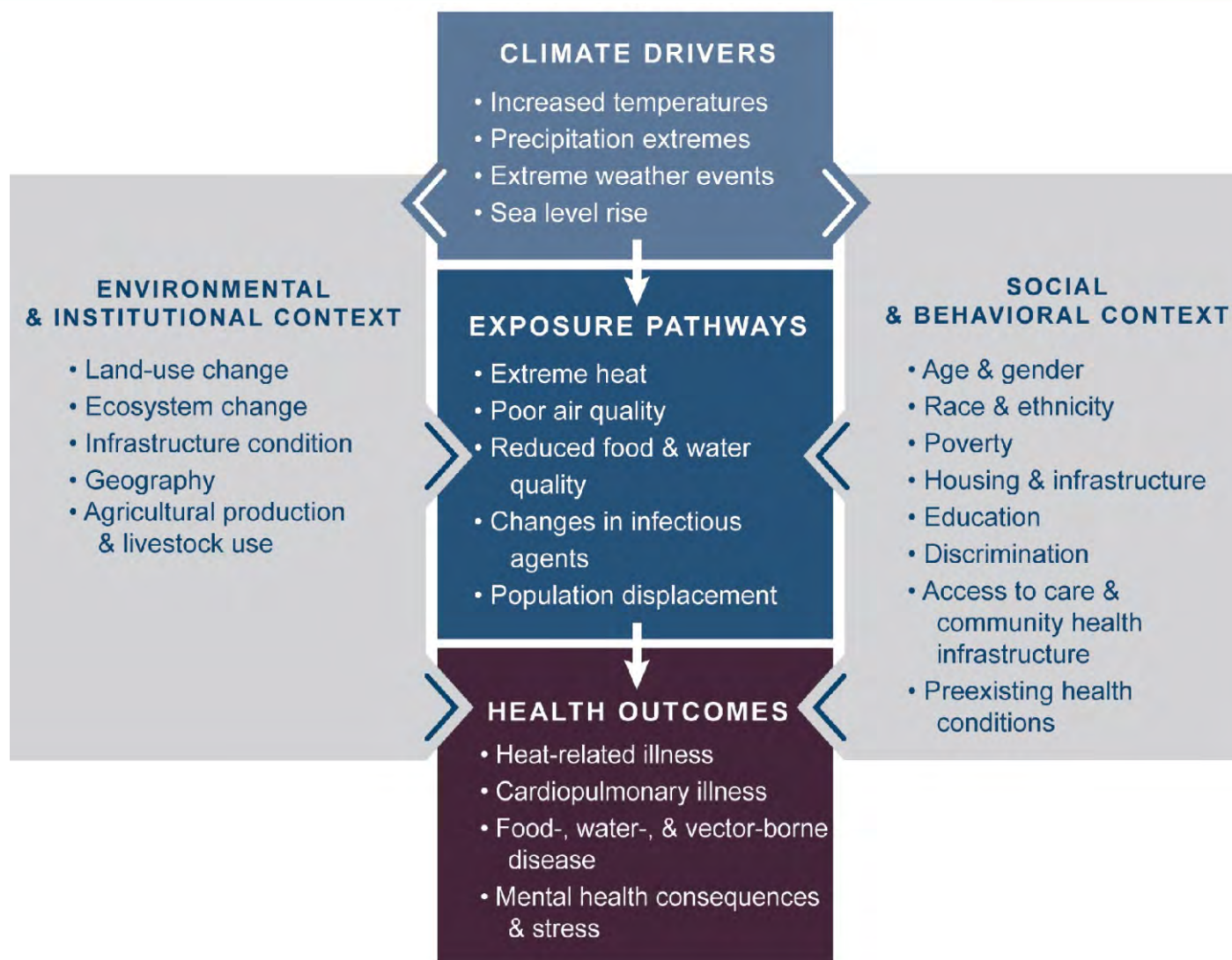
[Health2016.globalchange.gov](http://Health2016.globalchange.gov)



# CLIMATE CHANGES HEALTH



LIVE WELL  
SAN DIEGO



Source: U.S. Global Change Research Program (USGCRP) 2016





A photograph of two students walking outdoors. The student on the left is wearing a dark blue jacket and white shorts, carrying a purple backpack. The student on the right is wearing a red shirt and patterned pants, carrying a large, textured grey backpack with a circular patch on the front. They are walking on a paved surface.

## EXTREME HEAT IMPACTS

HAPPENING TODAY

**HEAT FORCES MINIMUM DAY AT  
ALL CORONADO UNIFIED SCHOOLS**

   NBCSanDiego

11:02 94

INLAND  
WEDNESDAY

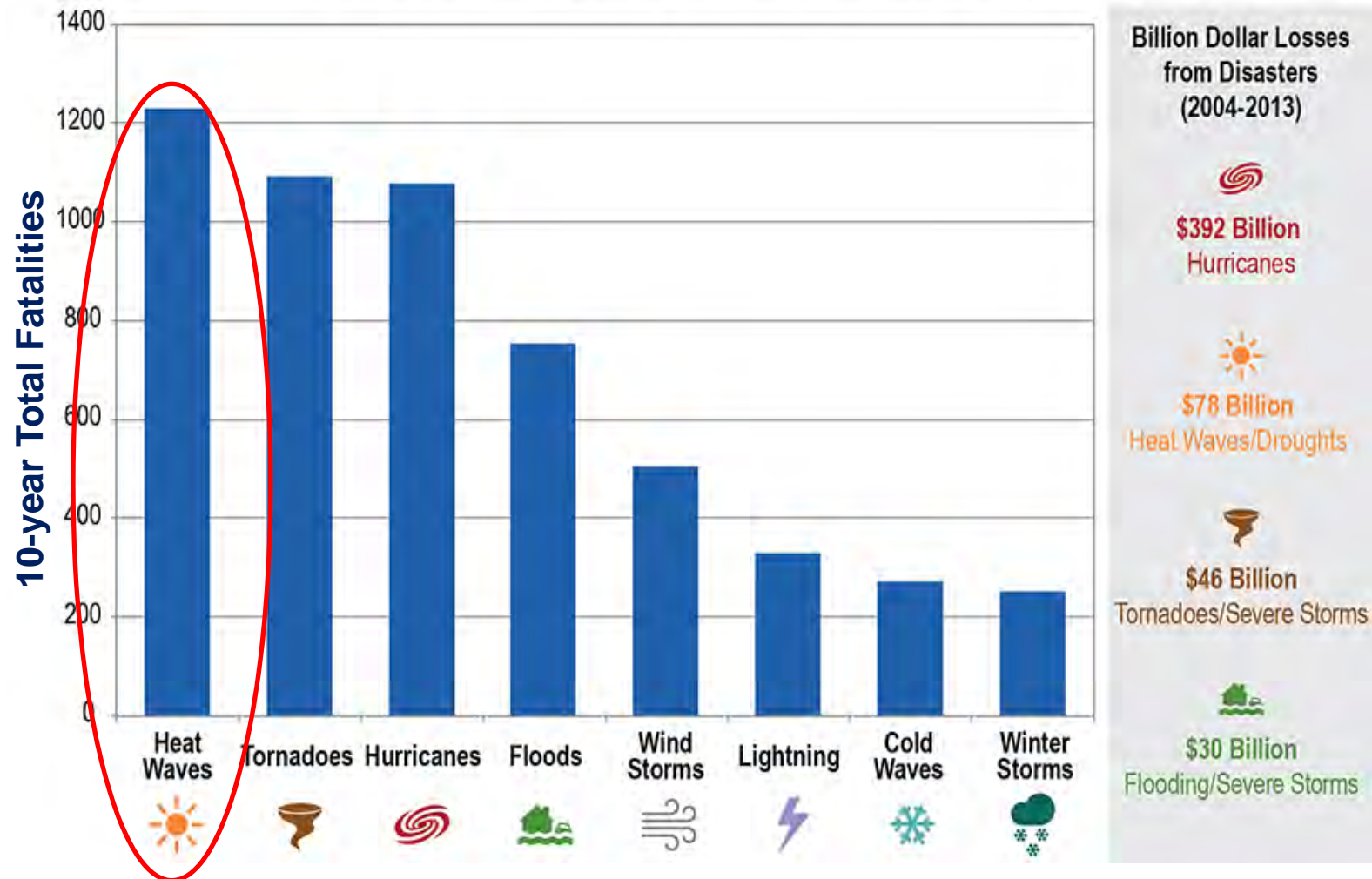
NBC 7's Elena Gomez reports on the Coronado Unified School District's decision to minimum day. (Published Monday, Sept. 26, 2016)



# COST OF CLIMATE CHANGE

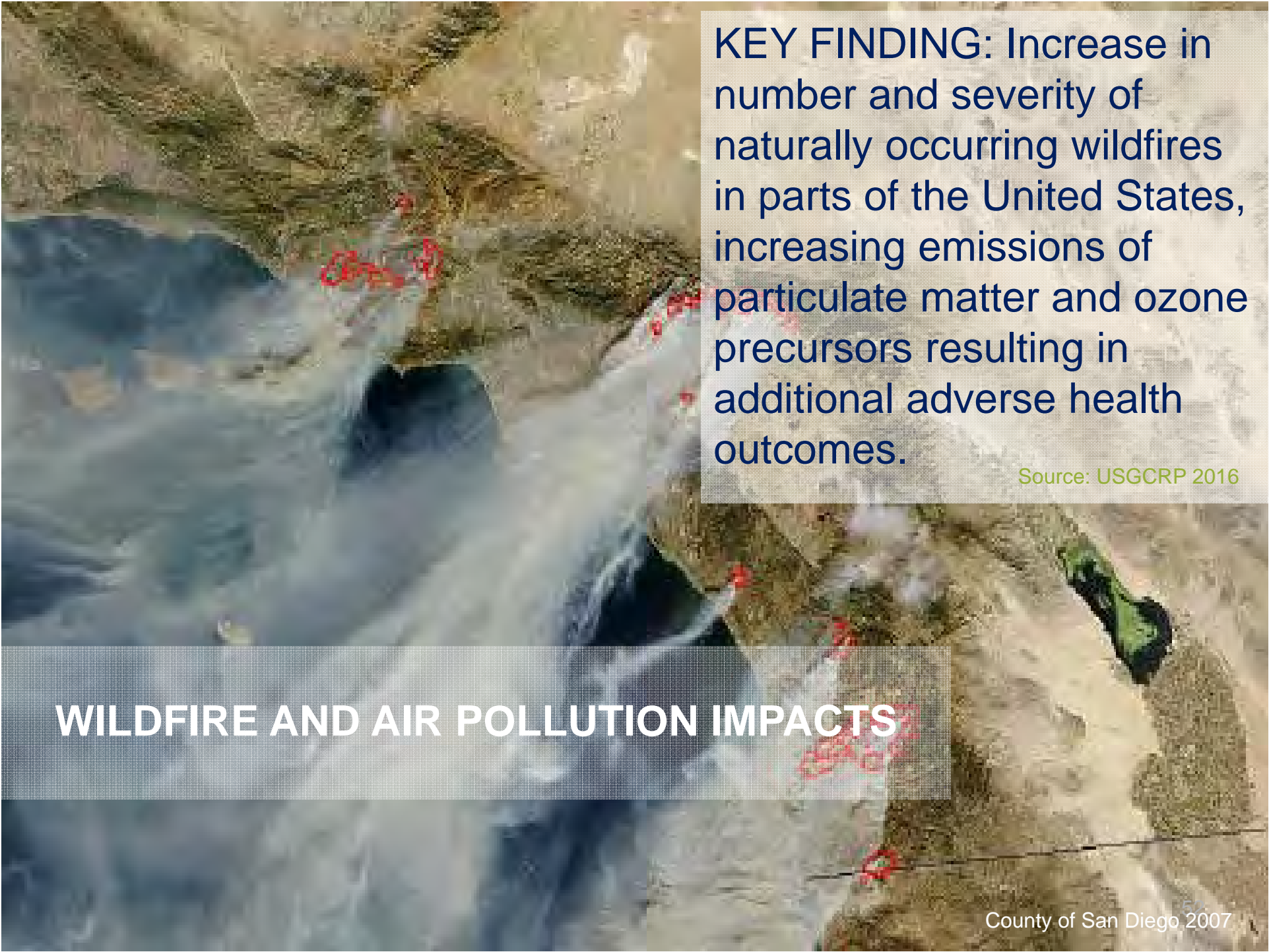


Estimated Deaths and Billion Dollar Losses  
from Extreme Events in the U.S., 2004–2013



Source: U.S. Global Change Research Program (USGCRP) 2016



An aerial photograph of the County of San Diego, California, with numerous red circles overlaid on the map to indicate the locations of wildfires. The map shows the coastline, major roads, and various land use patterns. The red circles are concentrated in several areas, particularly in the central and northern parts of the county.

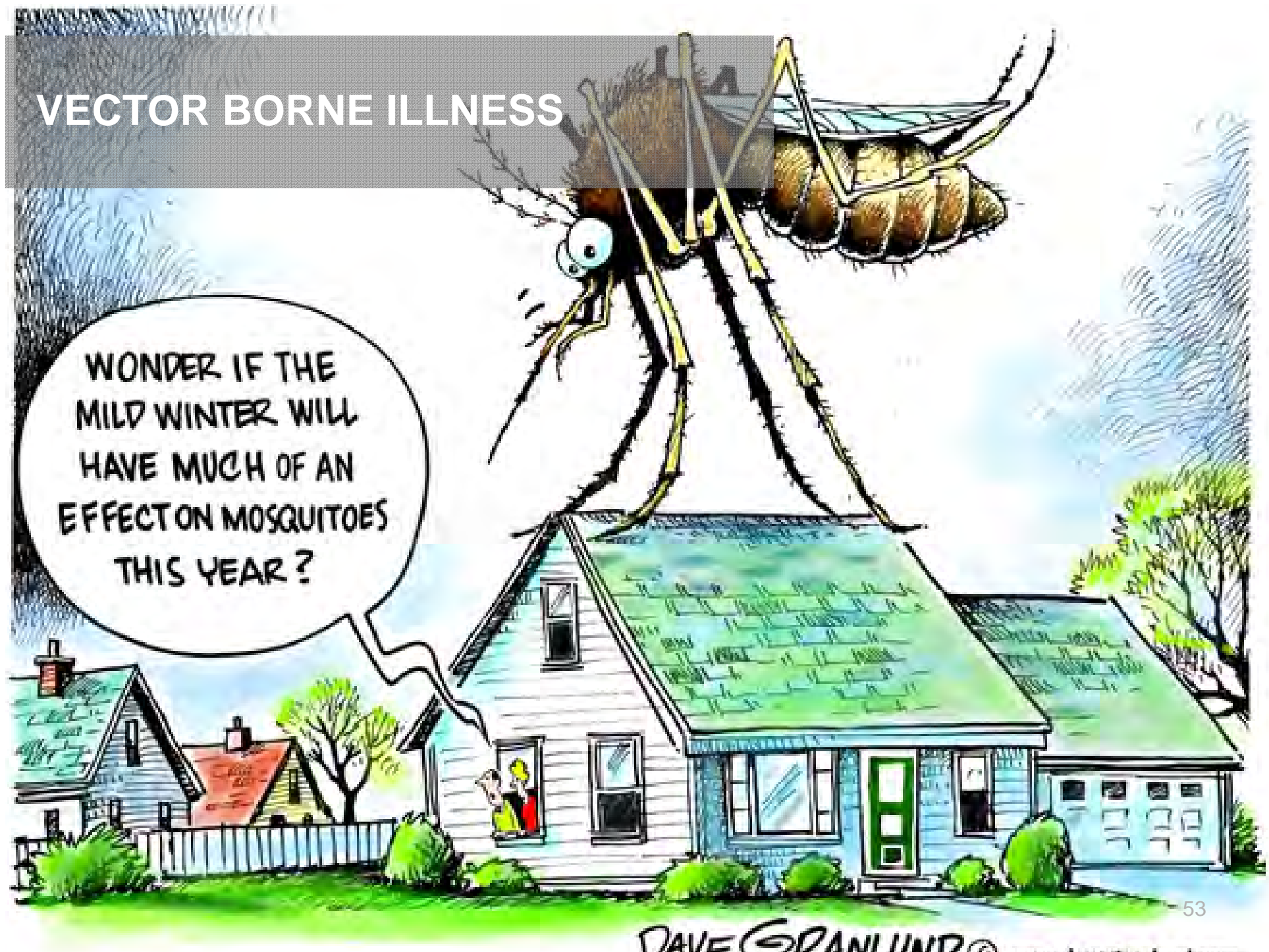
**KEY FINDING:** Increase in number and severity of naturally occurring wildfires in parts of the United States, increasing emissions of particulate matter and ozone precursors resulting in additional adverse health outcomes.

Source: USGCRP 2016

## WILDFIRE AND AIR POLLUTION IMPACTS



## VECTOR BORNE ILLNESS





# CHANGING MOSQUITO-BORNE DYNAMICS



LIVE WELL  
SAN DIEGO

SAN DIEGO

## COUNTYNEWSCENTER DIRECT TO YOU

HOME VIDEO LATEST NEWS EVENTS BOARD MEETINGS COUNTY WEBSITE

### Mosquito Control Spraying Set For Areas of North Torrey Pines, South Del Mar



May 16, 2016 | 3:31pm



The County of San Diego's Vector Control Program is scheduled to conduct pesticide spraying in several neighborhoods around the Los Peñasquitos Lagoon after finding increasing numbers of adult mosquitoes carrying West Nile virus in the area.



Source: <http://www.thecoastnews.com/2013/06/07/officials-fighting-back-against-mosquito-problem/>





# UNDERSTANDING THE ROLE OF PUBLIC HEALTH

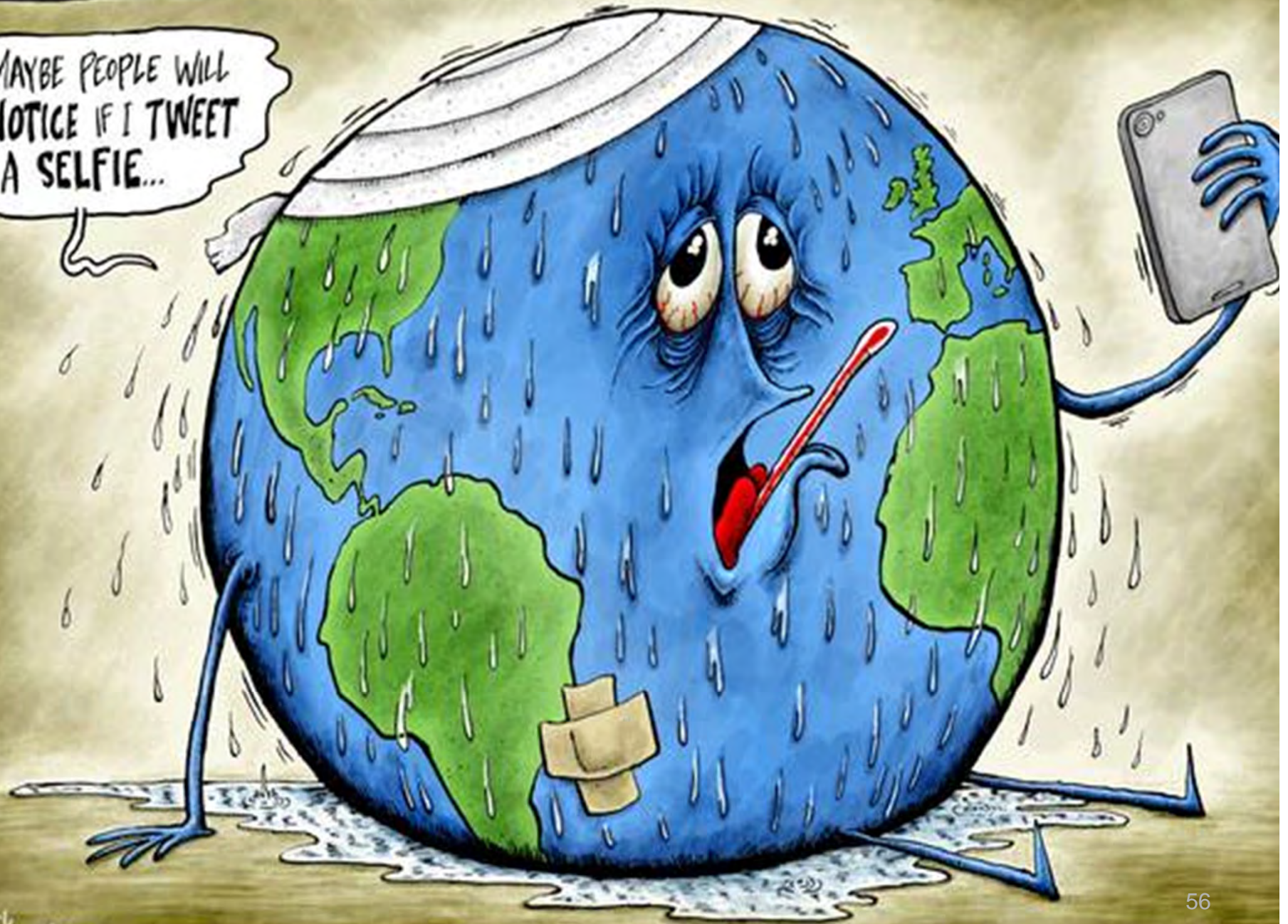
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CATASTROPHIC CLIMATE CHANGE WARNING FROM UN.....

MAYBE PEOPLE WILL  
NOTICE IF I TWEET  
A SELFIE...



Big Alak 18.02.14



# 10 ESSENTIAL SERVICES OF PUBLIC HEALTH & CLIMATE ACTION



Research health effects of climate change, e.g., techniques like modeling and research on optimal adaptation strategies

Tracking of diseases and trends related to climate change

Training public health staff and health care providers on health aspects of climate change

Investigation of infections water-, food-, and vector-borne disease outbreaks

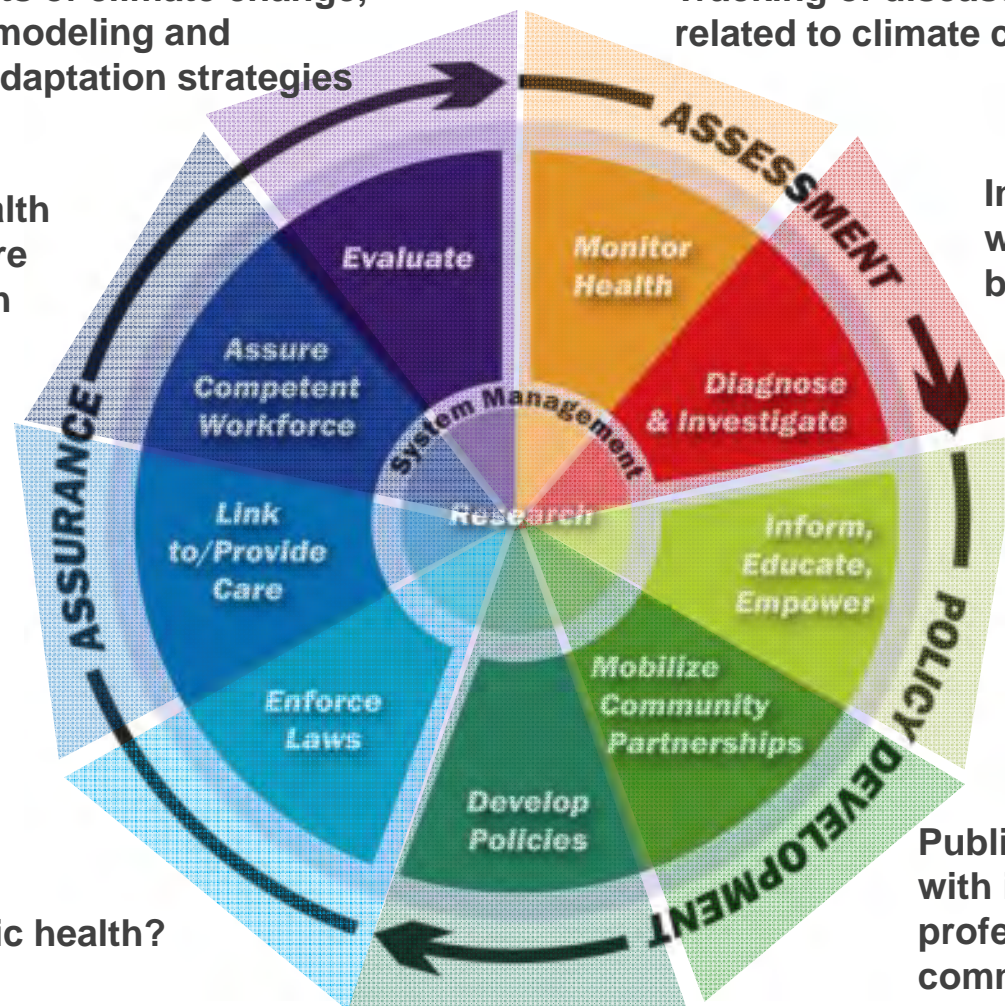
Health care service provision following disasters

Informing public and policymakers about health impacts of climate change

Role for public health?

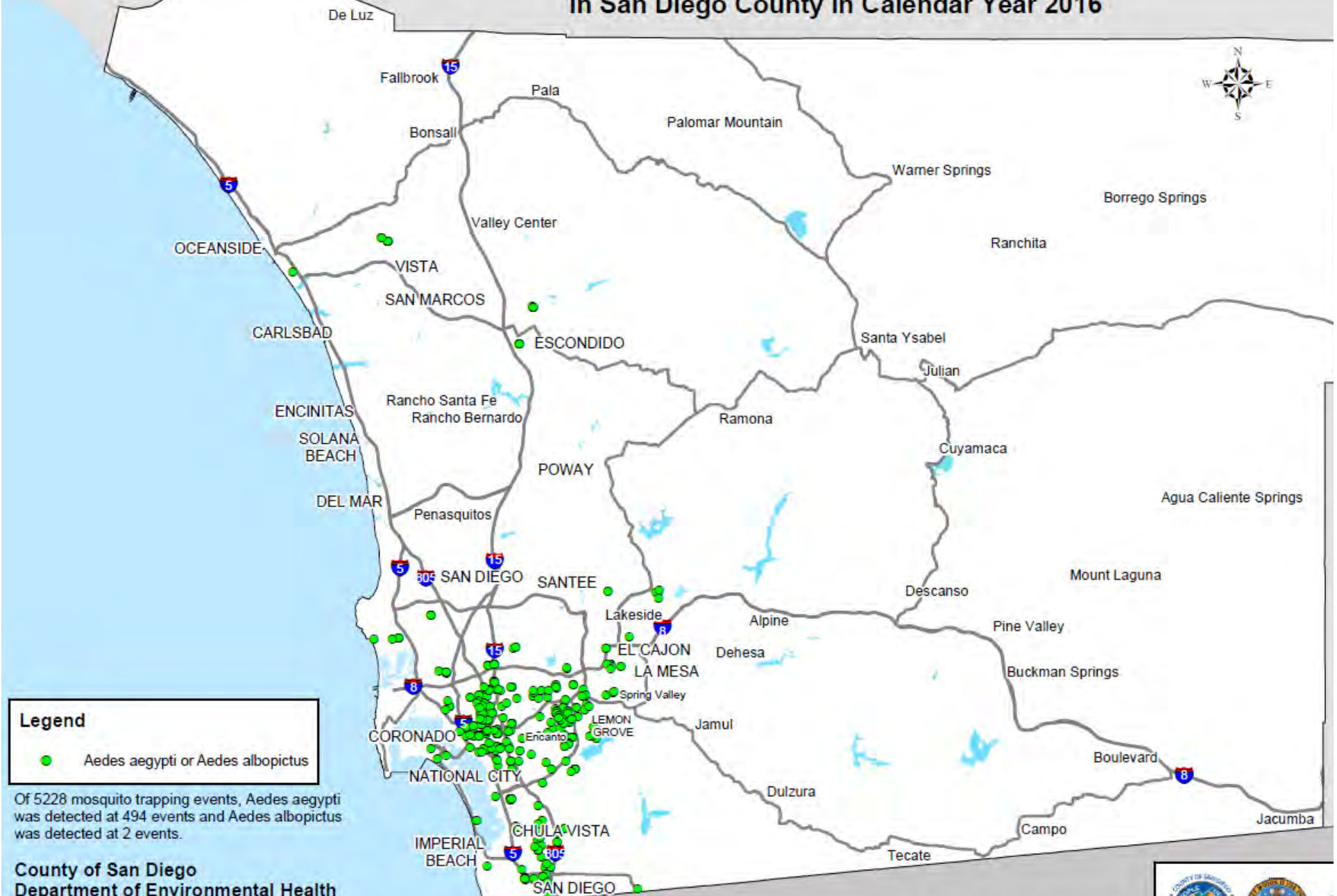
Public health partnership with industry, other professional groups, other community members to design and implement solutions

Municipal heat-wave Preparedness/Climate Action Plans





# Aedes aegypti and Aedes albopictus findings in San Diego County in Calendar Year 2016



## Legend

- Aedes aegypti or Aedes albopictus

Of 5228 mosquito trapping events, *Aedes aegypti* was detected at 494 events and *Aedes albopictus* was detected at 2 events.

County of San Diego  
Department of Environmental Health  
Vector Control Program

January 1, 2016 - December 31, 2016

DISCLAIMER: THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information from the SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information reproduced with permission granted by RAND McNALLY & COMPANY'S to SanGIS. This map is copyrighted by RAND McNALLY & COMPANY'S. It is unlawful to copy or reproduce all or any part thereof without the written consent of RAND McNALLY & COMPANY'S.



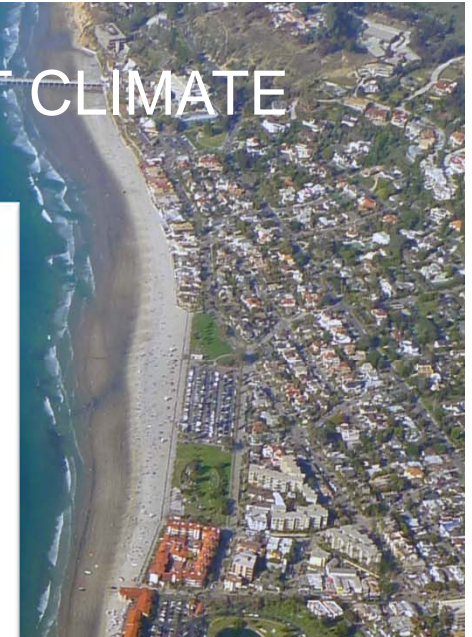


# CALBRACE (CA BUILDING RESILIENCE AGAINST CLIMATE EFFECTS)

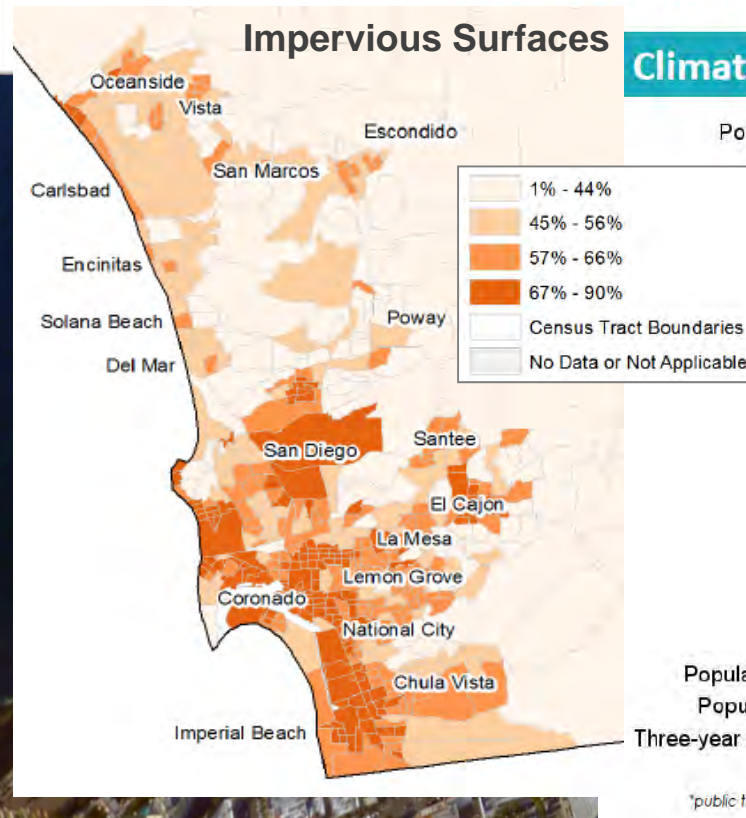
2016 CalBRACE

Public Health Planning for  
Climate Change Adaptation in California

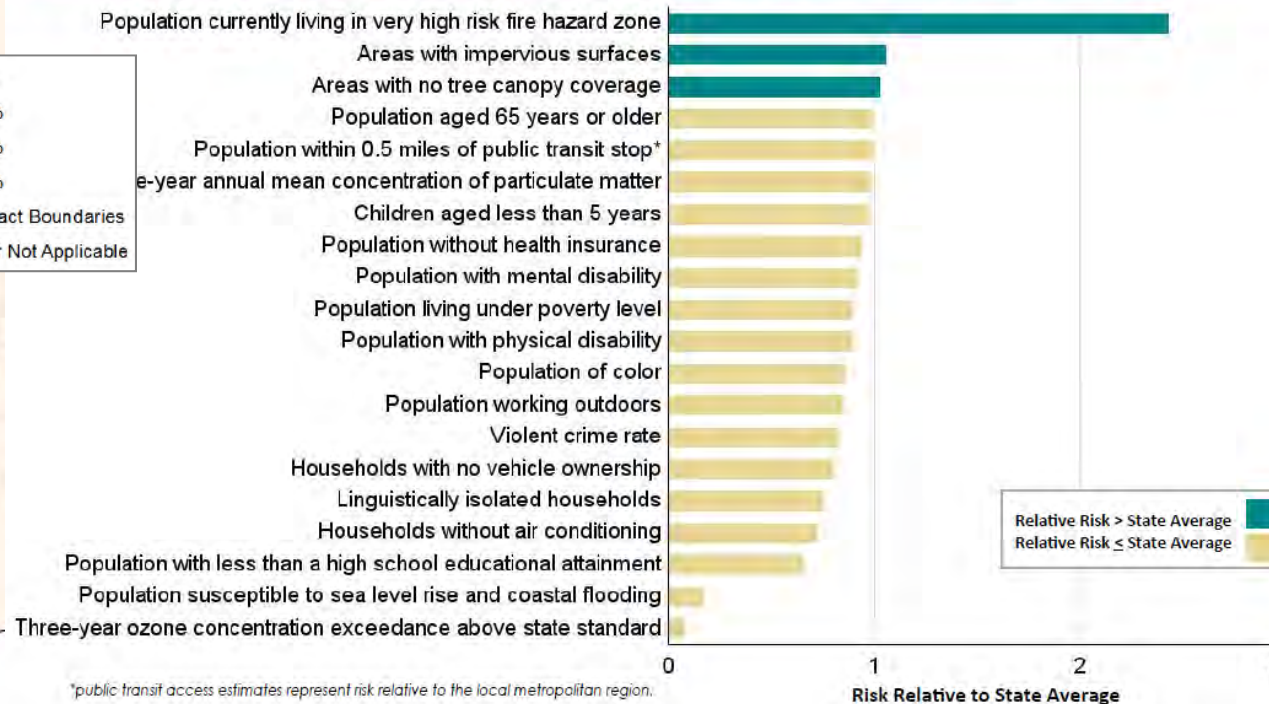
## Section 2: San Diego County Climate Change and Health Vulnerability Assessment



### Impervious Surfaces



### Climate Change and Health Vulnerability for San Diego County



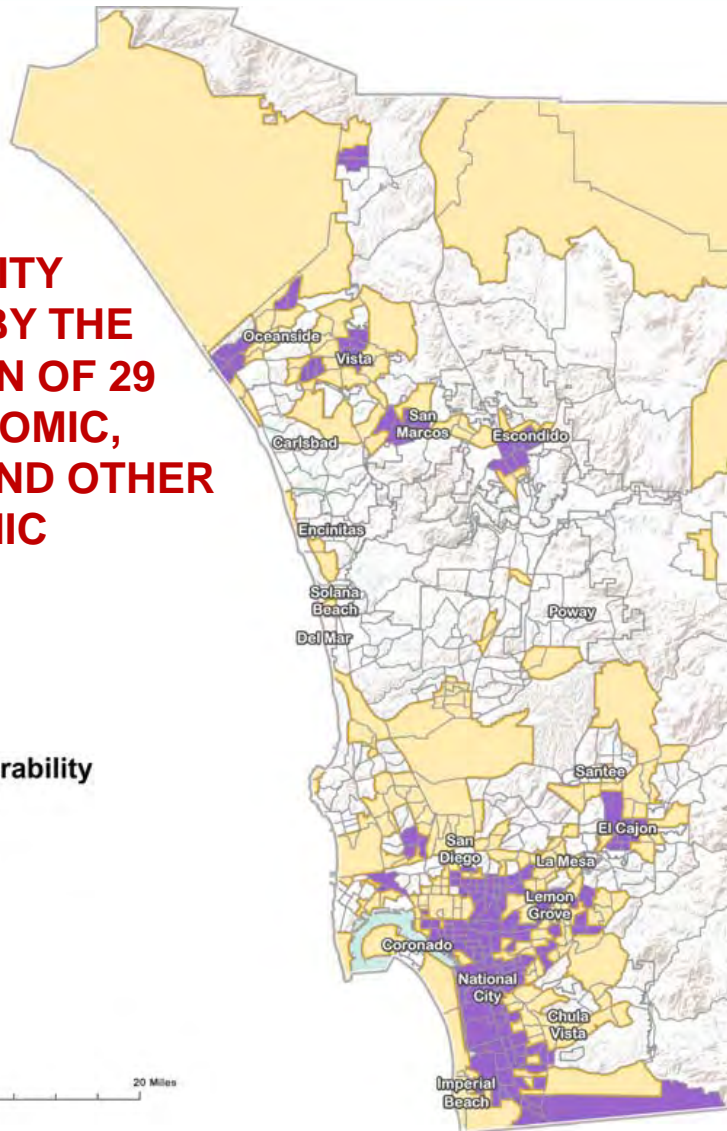
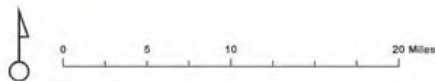


# CLIMATE EDUCATION PARTNERS LOCAL VULNERABILITY ASSESSMENT



**VULNERABILITY MEASURED BY THE COMBINATION OF 29 SOCIO-ECONOMIC, LAND USE, AND OTHER DEMOGRAPHIC VARIABLES**

**Population Vulnerability by Census Tract**



## Climate Resilience: Vulnerable Populations

HIGHER TEMPERATURES, HEALTH RISKS, AND NEW OPPORTUNITIES



San Diego County is a beautiful place to live where one can enjoy the outdoor environment year round. However, temperatures have been steadily rising and this poses a threat to the natural beauty of our region and the health of our residents. If temperatures continue to rise at the current rate, the quality of life San Diegans are accustomed to will not be available for future generations.

### Rising Temperatures in San Diego County

Global average temperature has been steadily rising. It is now 1.7°F hotter than it was in 1985, and it is expected to rise to 4.8°F by 2050. This changing climate brings with it new health risks which could be more problematic for our most vulnerable populations. This report identifies who our most vulnerable residents are and where they live in San Diego County, as well as summarizes the potential detrimental effects of rising temperatures on their health. We will also highlight solutions from local agencies and organizations that are working together to address these challenges.

ANNUAL AVERAGE TEMPERATURE IS INCREASING AND WILL CONTINUE TO INCREASE BETWEEN NOW AND 2050:



### Perspectives from Local Leaders:

"In 2015, San Diego saw a greater number of heat alerts than in any other past years. The impact of extreme heat has a significant risk to one's health, especially the most vulnerable populations. These incidents resulted in increased health-related illnesses for humans and animals, as well as damage to the environment by wildfires."

**Wilma Wooten, MD, MPH**  
Public Health Officer, Health and Human Services Agency, County of San Diego

Source: Climate Education Partners





## DROUGHT AND PUBLIC HEALTH IN A WARMING CA

- UCLA, UCSD/Scripps, UCB, UC Merced
- 4 years
- Local public health collaboration
- Areas of research include:
  - Drought and climate relation to West Nile Virus and Valley Fever
  - Drought, wild fires and health impacts of PM
  - Drought on mental health esp. among farm workers of Central Valley
  - Extreme precipitation, water quality and public health impacts of run-off contaminants
- Communication outreach to government, general community and middle/high school children

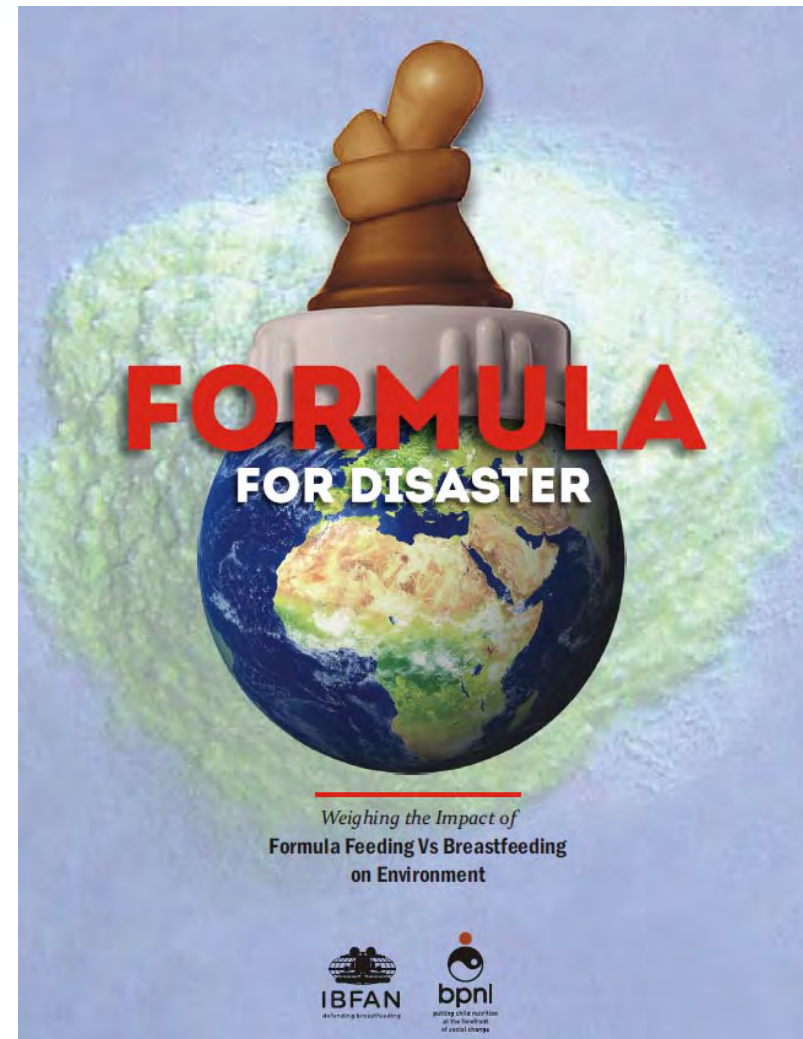


# BREASTFEEDING FIGHTS INFECTION AND CLIMATE CHANGE!



## BENEFITS TO THE ENVIRONMENT

- Renewable and natural resource
- Zero chemicals
- Zero energy use
- Zero waste in landfills
- Zero water footprint
- Zero deforestation
- Zero transport needed
- Provides food security in economic hardship and natural disasters









# THE ROLE OF PUBLIC HEALTH



LIVE WELL  
SAN DIEGO

*“As public health professionals **charged with protecting and promoting the health of the population**, we have a responsibility and an obligation to **educate our communities** about the health impacts of climate change, to **support action** to reduce greenhouse gas emissions, and to enhance the ability of our communities to **be ready for and resilient** in the face of climate change.”*







# SELECTING THE BEST MITIGATION STRATEGIES FOR HEALTH

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## Health in the green economy

Co-benefits to health of climate change mitigation

### HOUSING SECTOR

#### Key messages

##### Health co-benefits

- The right mix of mitigation policies: reductions in noncommunicable
- Noncommunicable diseases: heat and cold; reduce mould and dampness; heating and appliances. There is
- Infectious diseases: vector-borne

## Health in the green economy

Co-benefits to health of climate change mitigation

### HEALTH CARE FACILITIES *Preliminary findings – initial review*

#### Key messages

##### Health gains/risks

- While hospitals and health clinics are not a specific focus of mitigation assessment by the Intergovernmental Panel on Climate Change, adoption of safe and sustainable building measures by health facilities will offer more health co-benefits than the same measures applied to other commercial buildings. This is partly due to health facilities' large demands for reliable energy, clean water and temperature/air flow control in treatment and infection prevention. Significant health gains also can be expected from



gaseous health care products, as well as emissions from infectious, chemical and radioactive agents, can reduce exposure to risks of hepatitis B/C and HIV infections



# CDPH CLIMATE AND HEALTH REPORTS



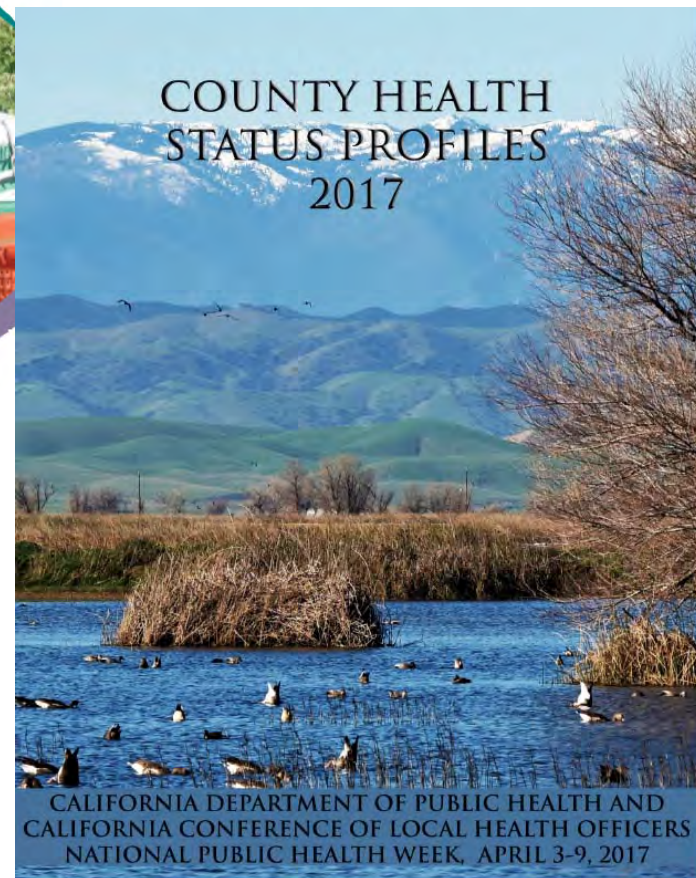
LIVE WELL  
SAN DIEGO

## Climate Change and Health Profile Report San Diego County



February 2017

## COUNTY HEALTH STATUS PROFILES 2017



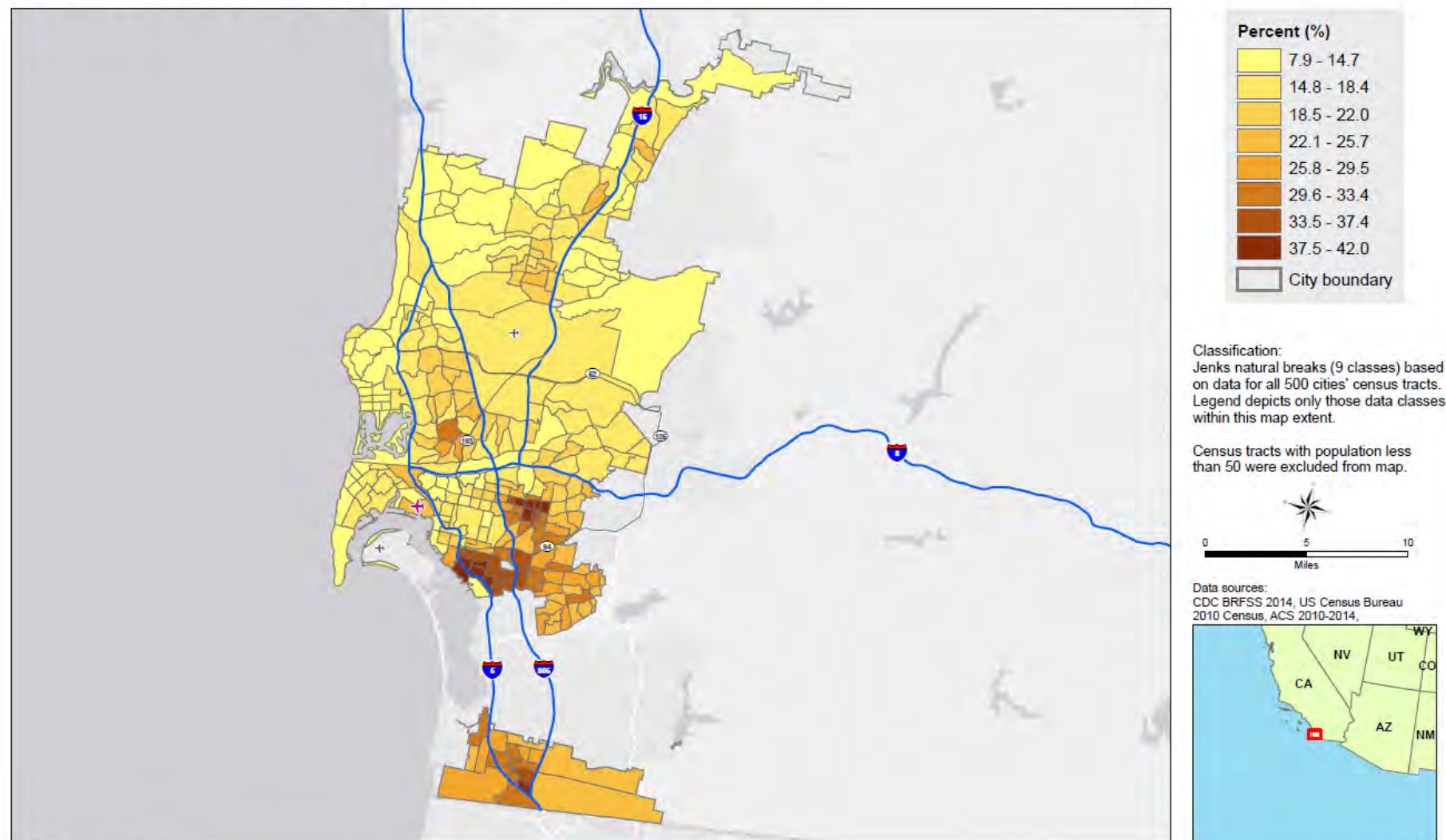
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH AND  
CALIFORNIA CONFERENCE OF LOCAL HEALTH OFFICERS  
NATIONAL PUBLIC HEALTH WEEK, APRIL 3-9, 2017



# HEALTH OUTCOMES DATA: 500 CITIES



## No leisure-time physical activity among adults aged $\geq 18$ years by census tract, San Diego, CA, 2014



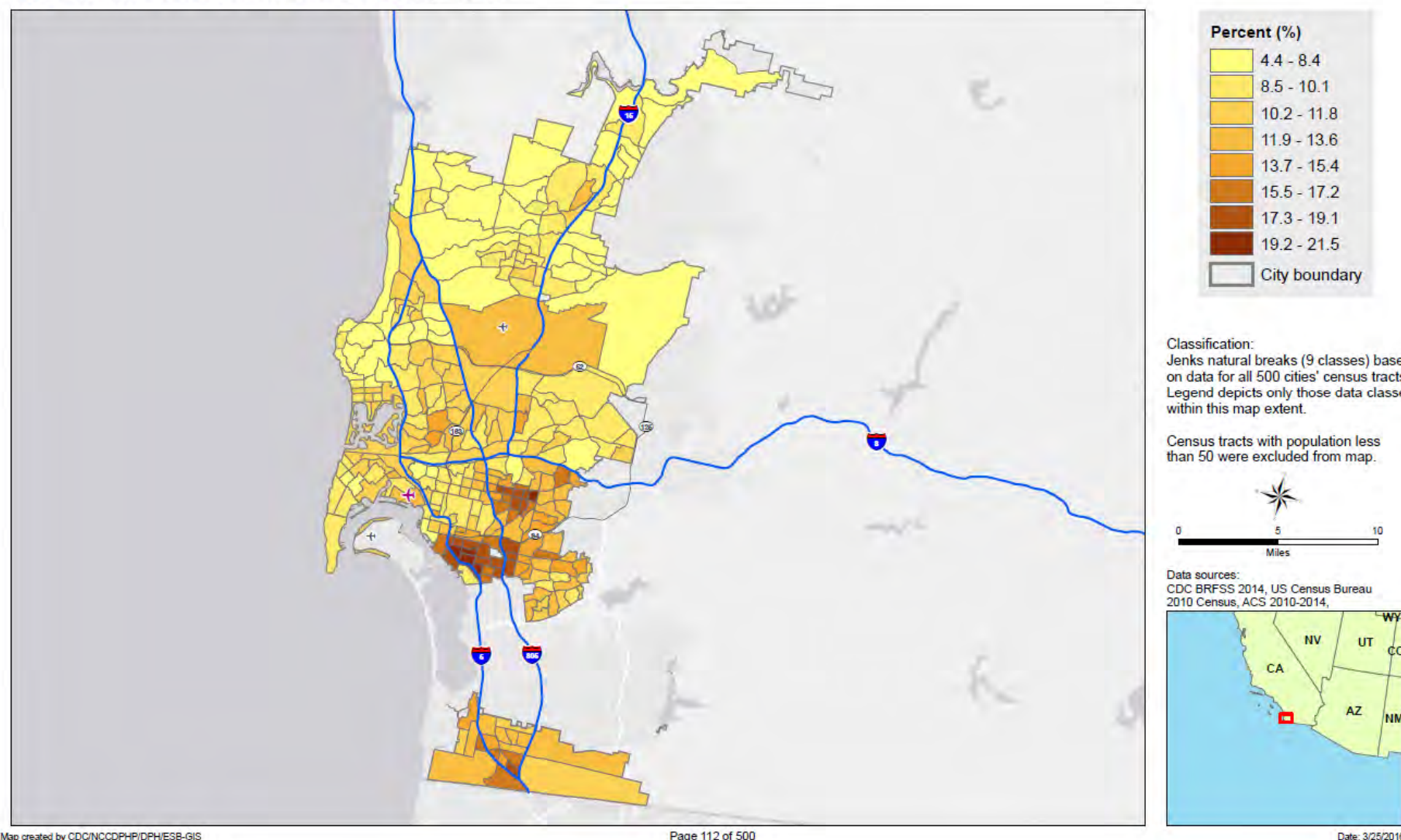


# HEALTH OUTCOMES DATA: 500 CITIES



LIVE WELL  
SAN DIEGO

**Mental health not good for  $\geq 14$  days among adults aged  $\geq 18$  years  
by census tract, San Diego, CA, 2014**





The image is a collage of three photographs. The left photo shows a man in a dark shirt holding a sign that says 'CLIMATE CHANGE IS A HEALTH CRISIS'. The right photo shows a person in a white lab coat holding a sign that says 'CLIMATE CHANGE IS A HEALTH CRISIS'. The bottom photo shows a young boy in a blue jersey and white shorts sitting on a grassy field, blowing a large white bubble. A blue rectangular box is overlaid on the right side of the collage, containing the title and logo.

# MEDICAL ALERT!

## Climate Change Is Harming Our Health



The Medical  
Society Consortium  
ON CLIMATE & HEALTH



# MITIGATION CO-BENEFITS



LIVE WELL  
SAN DIEGO

Source: adapted from CDPH's Climate Action for Health 2012

Strategy to Reduce GHG Emissions	Chronic Disease and Health Equity Unit Funding	Health Co-Benefits
Reduce VMT/Increase active transportation (e.g. biking, walking)	Caltrans EJ, CPPW, CTG, Prevention 1422, LUEG AT grants, Support for SANDAG for Caltrans Sustainable Communities Planning grant	Increase PA Reduce CD Improve mental health Reduce air pollution
Reduce emissions via land use changes (e.g. transit-oriented development, infill development, Smart Growth, open space and ag land conservation)	CPPW, CTG, Prevention 1422, CDHE support for City of SD Sustainable Communities Strategy grant	Increase PA Reduce CD Increase access to essential services Enhance safety
Reduce energy intensity in local food systems	CPPW, CTG, NEOP, Prevention 1422, CDHE/City of SD Zero Waste HIA, Supporting County Zero Waste Initiative	Increase access to healthy, fresh foods Reduce CVD due to saturated fats Increase local social cohesion
Urban greening	CPPW, NEOP, Prevention 1422, PICH (unfunded), Support for City of SD Urban Greening Grant	Reduce temperature and urban heat island health effects Reduce air pollution Reduce noise Enhance safety
Reduce building energy use (e.g. active design standards, energy efficiency, weatherization)	CPPW, Prevention 1422	Reduce energy costs Promote healthy homes Create local green jobs Promote cooler communities



**“At the present time...  
Beijing is not a livable city”**

**Beijing Mayor Wang Anshun**

January 23, 2015



# CITY OF SD CLIMATE ACTION



LIVE WELL  
SAN DIEGO

## San Diego Signs Climate Action Plan to Use 100 Percent Renewable Energy By 2035



By Jessica F

May 05, 2016 01:21 PM EDT



## San Diego adopts urban forestry plan to boost tree canopy, slow climate change



Increasing a city's **tree canopy** has also been shown to reduce storm water runoff, lower crime rates, boost public health and strengthen communities, city officials said.

While San Diego's streets are lined with approximately 200,000 trees and 48,000 palms, previous studies estimated that they could accommodate more than four times that amount with the new plan.







Artist: Jill Peltó









# THANK YOU

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