









Climate Adaptation Plan

May 9, 2018

Hillside Discussion Agenda 6:30 pm

6:40 pm Introduction and Meeting Objectives Brief welcome and overview of the project

Snacks and Conversation

6:50 pm What does it mean for the Town of Corte Madera to be Resilient? Group discussion

7:10 pm Climate Adaptation Plan – Process and Hillside Risks

Brief presentation on the Adaptation Plan and current risks to hillside neighborhoods from wildfire, drought, and deluge.

7:25 pm Key Focus Areas and Concerns (Breakout Session)

- When does weather go from a nuisance to a problem in your neighborhood?
- What are the biggest climate change concerns for the Town in 20-years?
- Has your neighborhood already taken action to be better prepared for the future?
- What opportunities do you see to enhance that preparedness?
- How does action now help us achieve our vision of resilience?

8:15pm Wrap-up and Next Steps

The survey and other opportunities for input Help spread the word and stay involved

8:30 pm Adjourn



Introductions (1-2-4-All)



https://www.azcentral.com/story/news/nation/2018/11/23/paradise-california-town-rebuild-after-camp-fire-destruction/2088306002/

USA TODAY



The Mercury News N f 💆 🖄 share

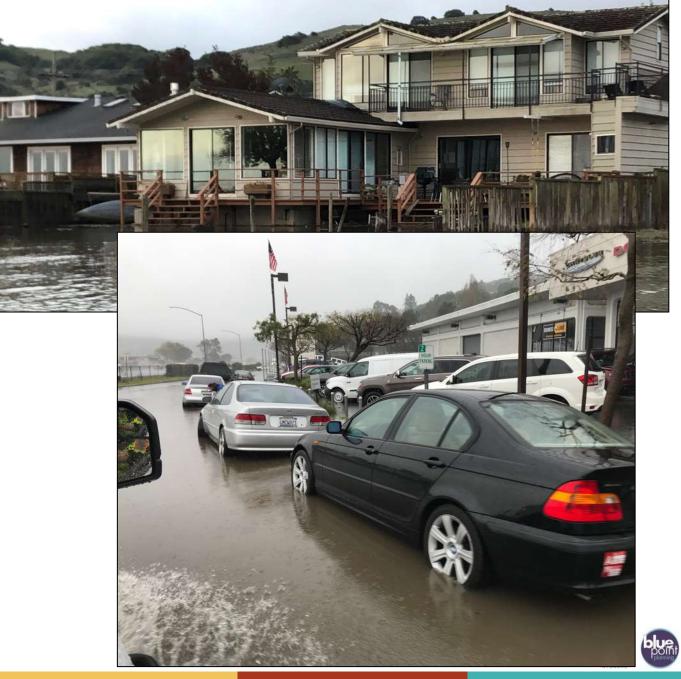
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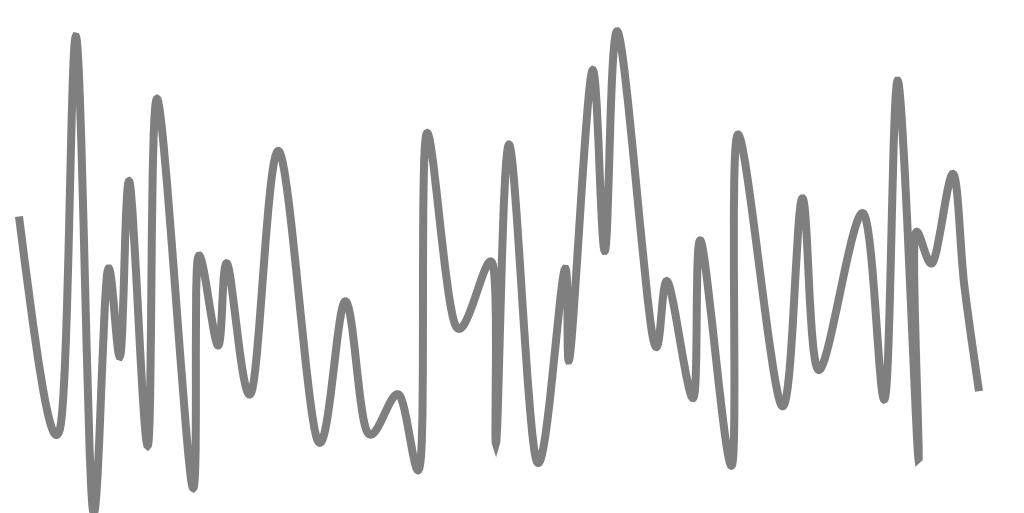
Photo by Justin Sullivan/Getty Images

By Adam Brinklow | Nov 15, 2018, 8:12am PST

Update: AQI now at purple with a score of 211—worse than this morning when the air was level red at 177.



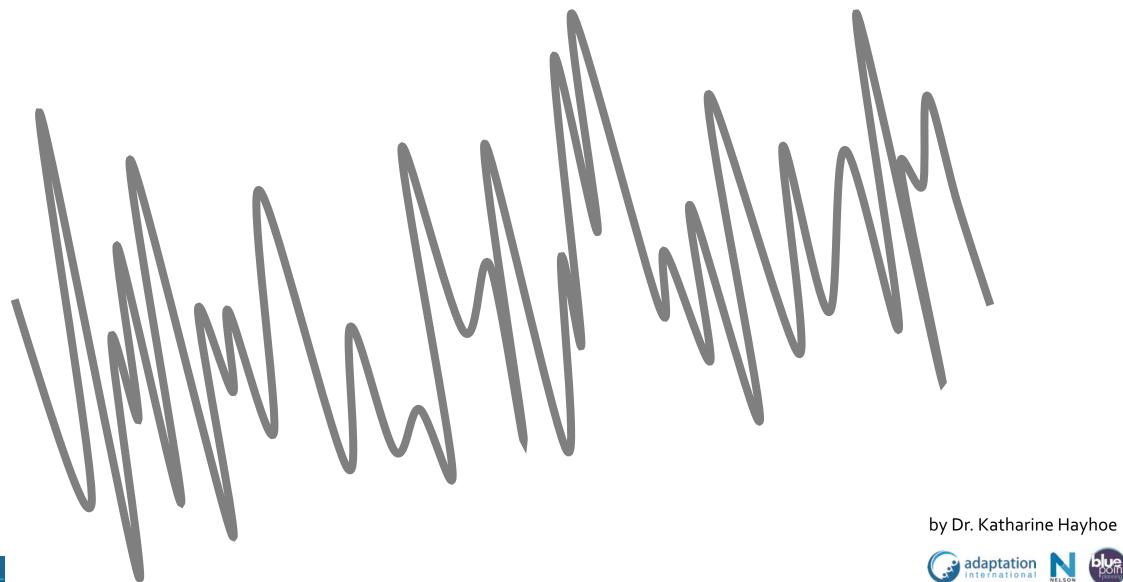
Climate and Weather



by Dr. Katharine Hayhoe

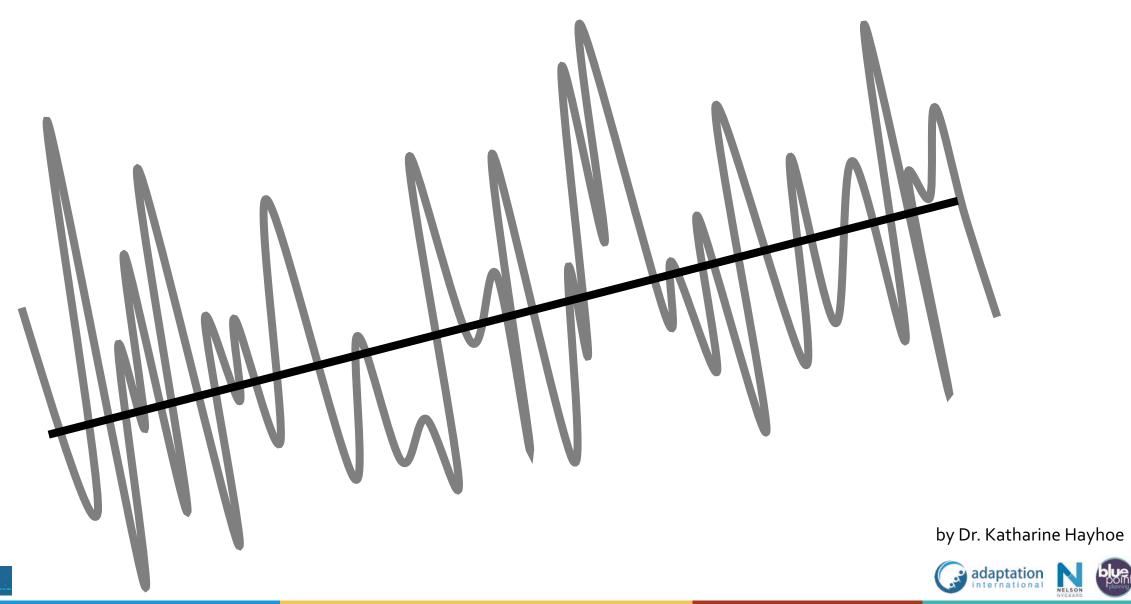




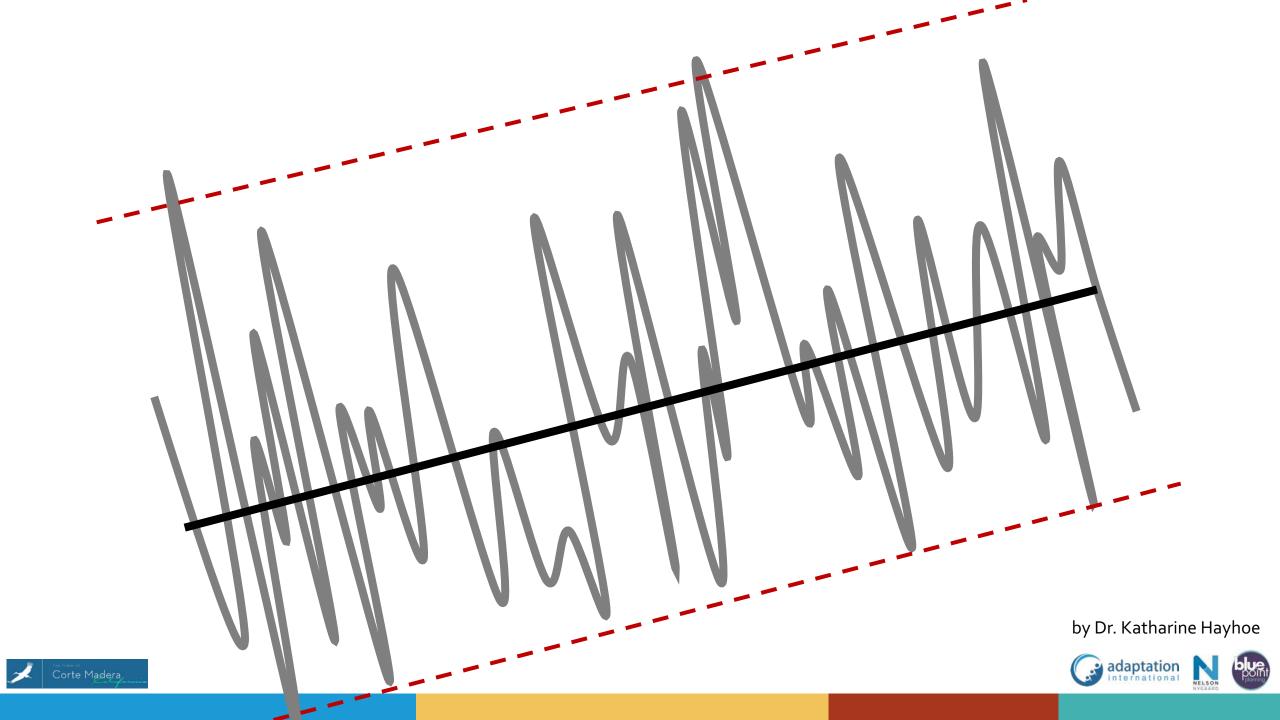


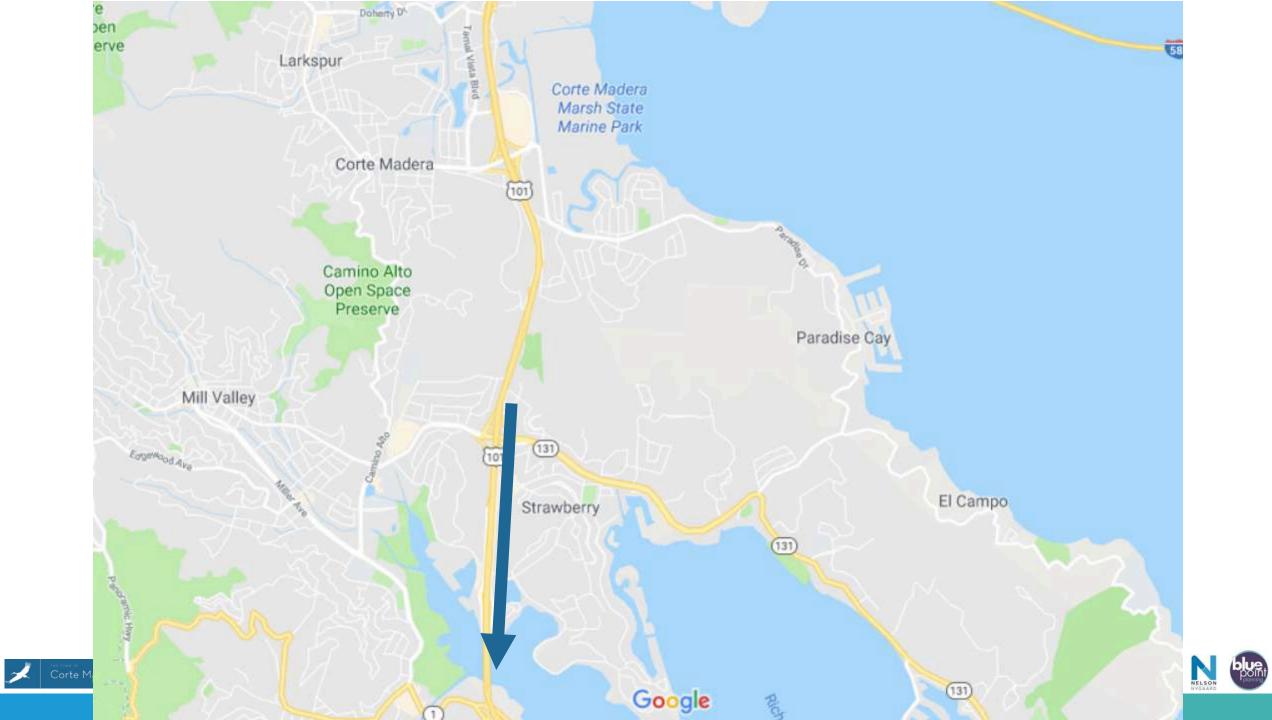


adaptation blue point NELSON

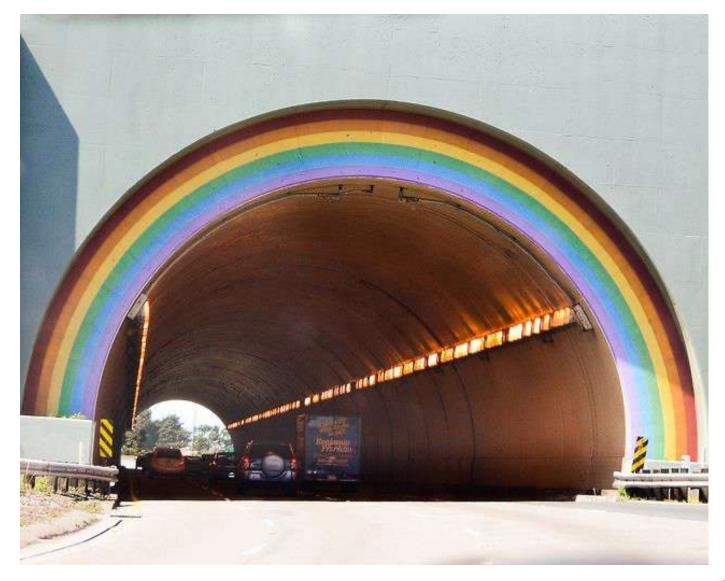


blue point



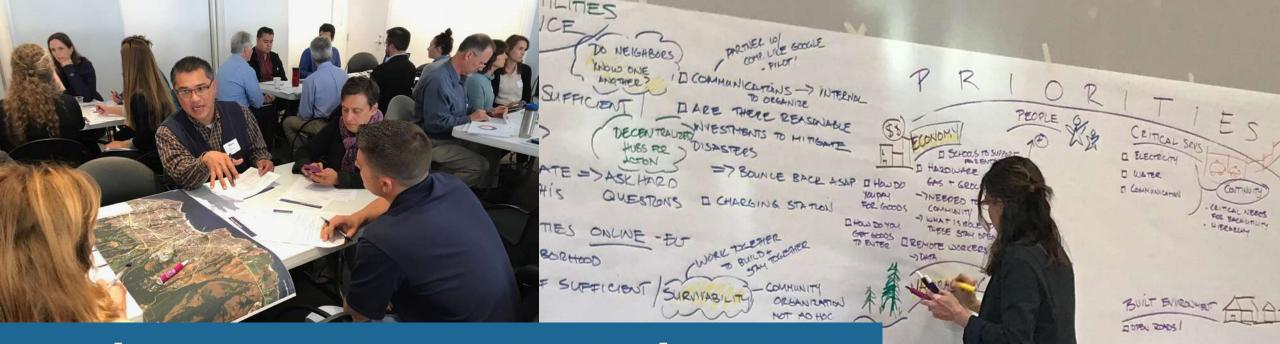


Driving using the rear view mirror won't work



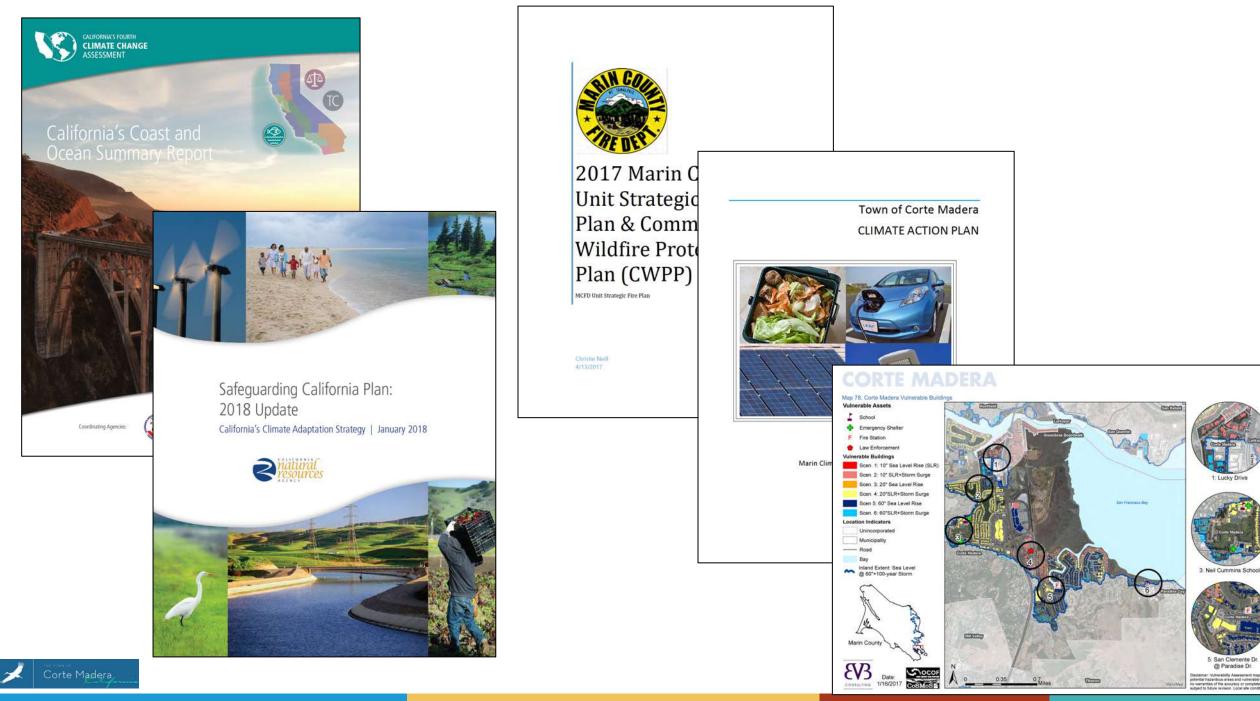






Values Driven and Science Based

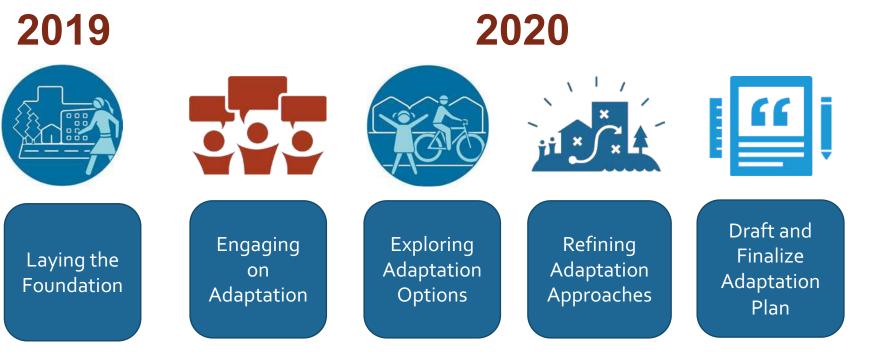




Project Timeline

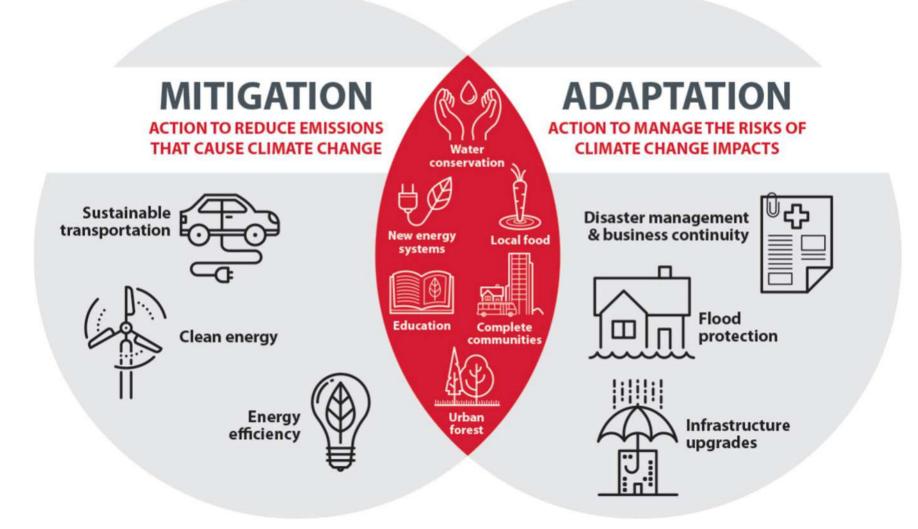
Corte Madera

- Purpose: enhance the resilience of our community
- ✤ Scope: all sectors, Town-wide, long range
- Likely Outcomes: Framework for investment and change



adaptation N

Building Climate Resilience









Changing Conditions (History as a Prelude to the Future)



Historic Wildfire Perimeters

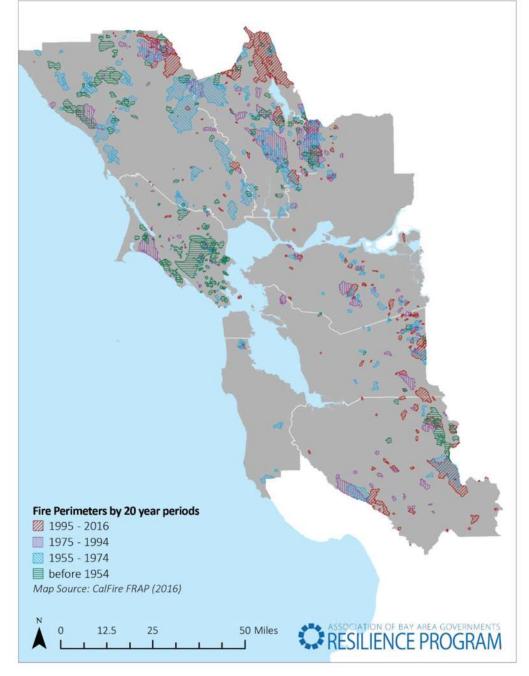






Figure 2 Historic Bay Area Fire Perimeters 1955 – 2016

Historic Wildfire Perimeters

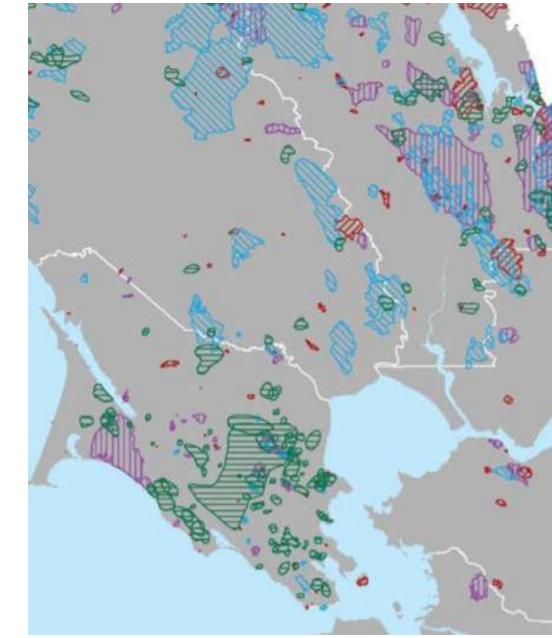
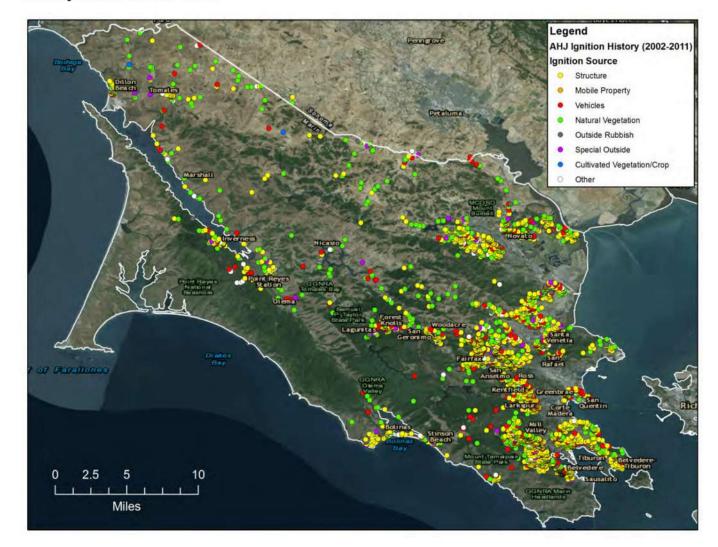






Figure 3-10. Map of ignition history data for all authorities having jurisdiction in Marin County from 2002 to 2011.



Fires by Ignition Sources





Wildfires Affect Air Quality

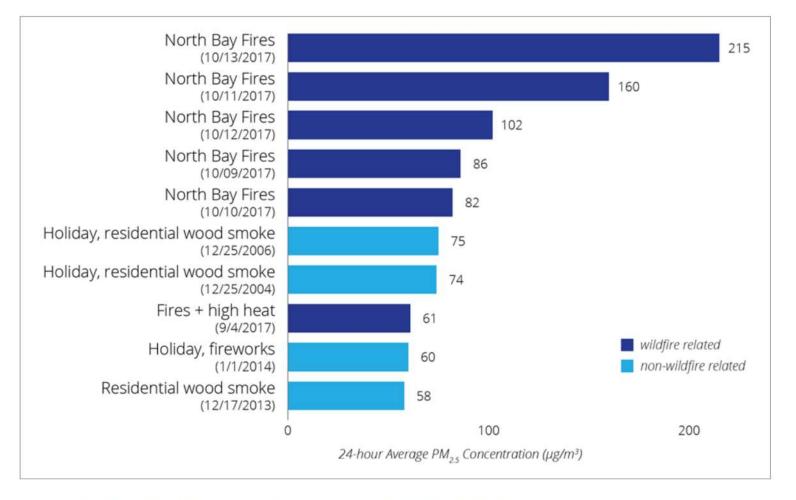
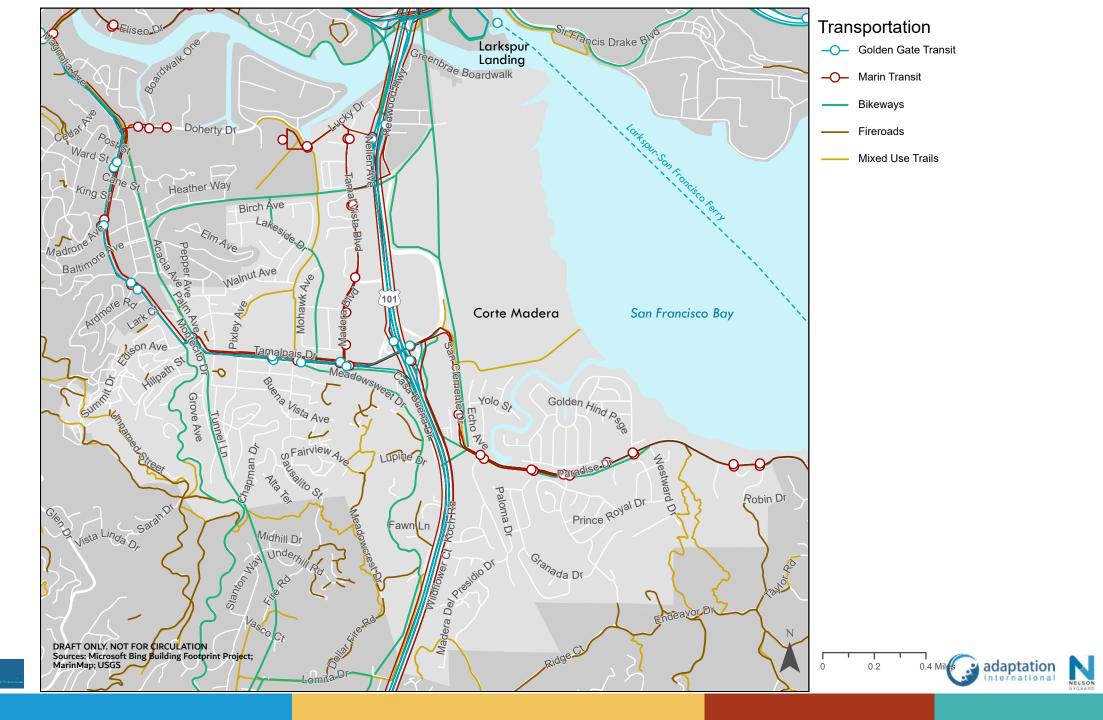


Figure 9 Top Ten PM_{2.5} Days in the Bay Area Since 2003 (BAAQMD, 2018)





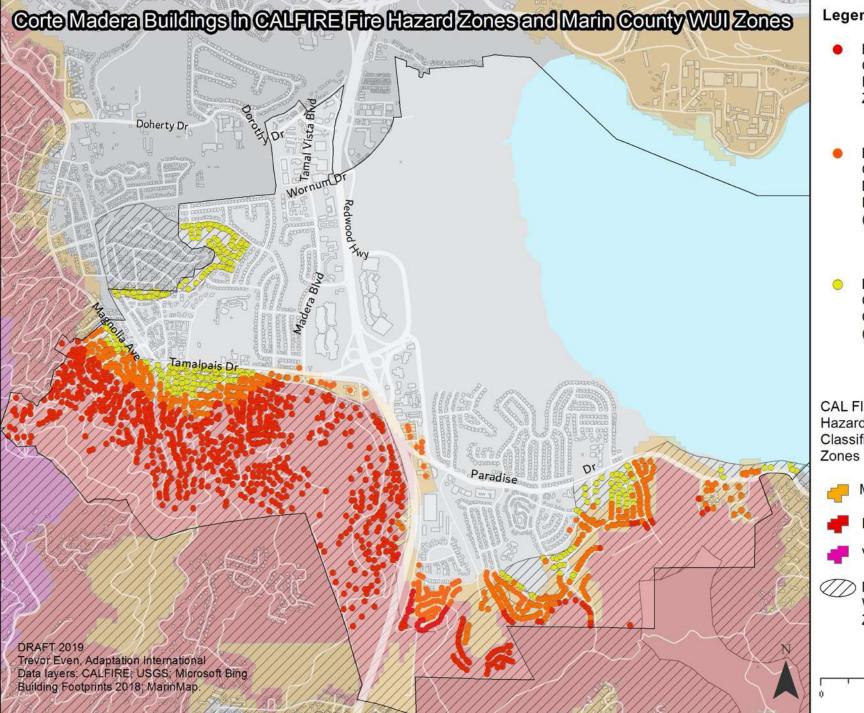


point



Hillside Neighborhoods and Wildfire





Legend

Building in **CALFIRE High** Fire Hazard Zone (846)

Building in CALFIRE Moderate Fire Hazard Zone (468)

Building in Marin Co. WUI **Ordinance Zone** (1, 479)

CAL FIRE Hazard Severity Classification

Moderate

High

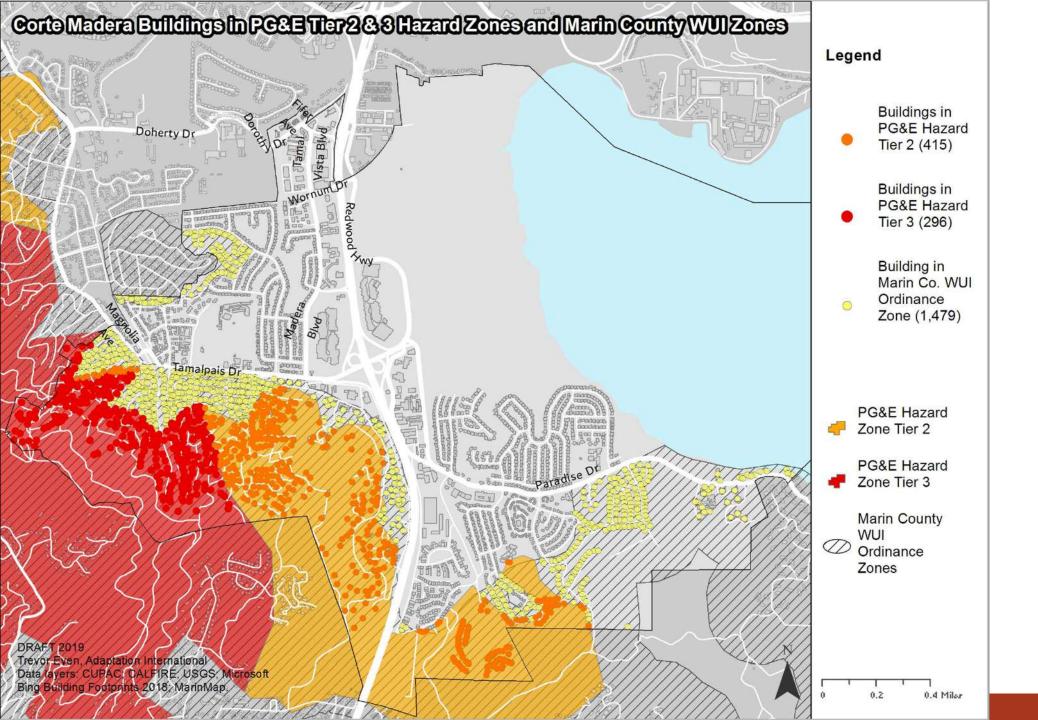
Very High

0.2

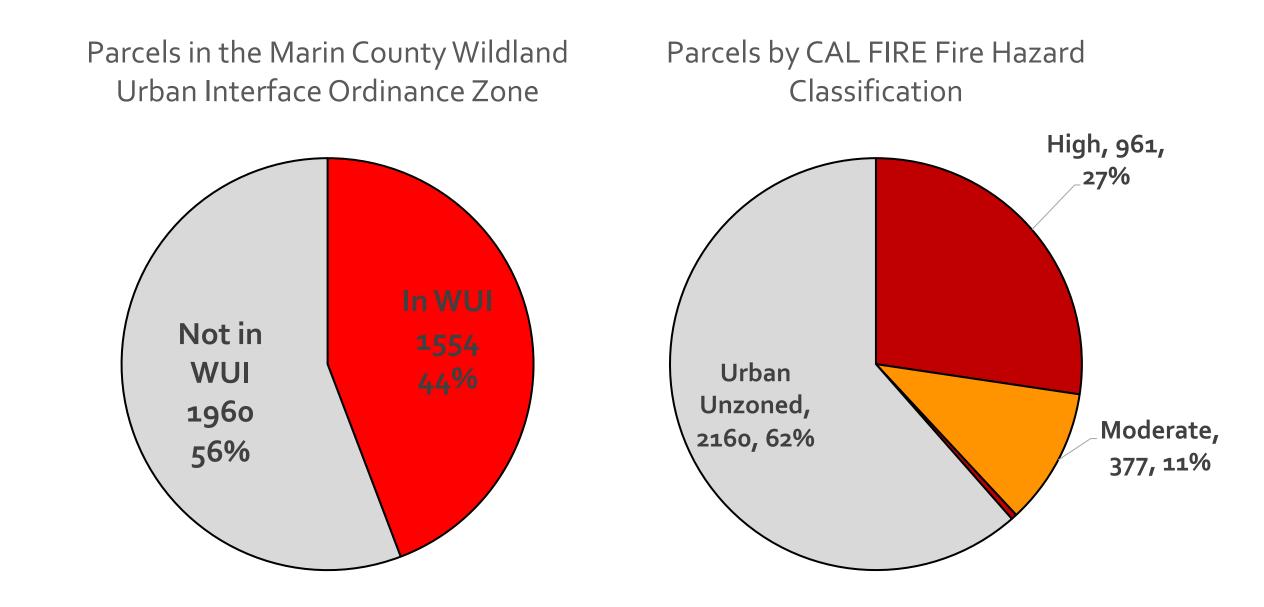
Marin County WUI Ordinance Zones

0.4 Miler















Discussion



Breakout Session Discussion

- When does weather go from a nuisance to a problem in your neighborhood?
- What are the biggest climate change concerns for the Town in 20-years?
- Has your neighborhood already taken action to be better prepared for the future?
- What opportunities do you see to enhance preparedness?





Ways to Stay Involved



Ways to Stay Involved

Spread the word

- Invite your neighbor/friend/colleague to participate
- Add your input to the community survey
- <u>www.cortemaderaadapts.org</u>





THANK YOU!

Sascha Petersen Adaptation International sascha@adaptationinternational.com Mindy Craig Blue Point Planning mindy@bluepointplanning.com Peter Brown Public Works Director – Town of Corte Madera pbrown@tcmmail.org

Magnus Barber Nelson Nygaard mbarber@nelsonnygaard.com





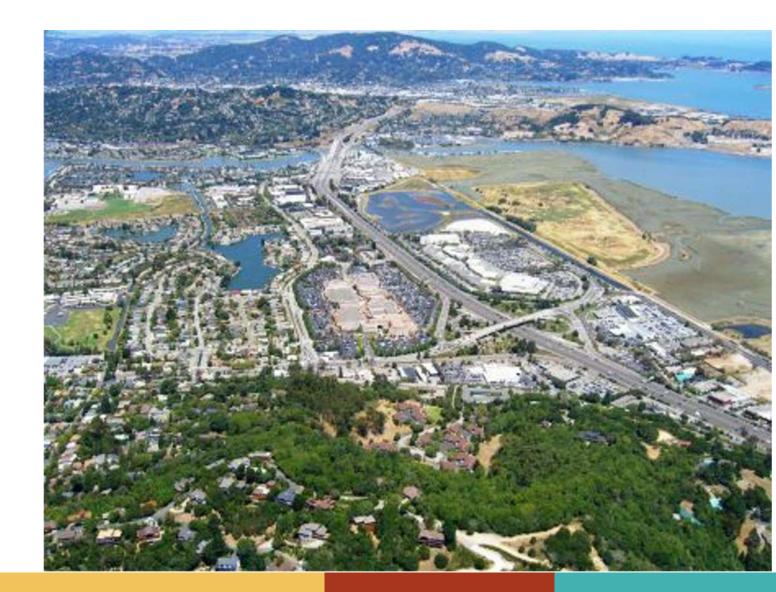
Support slides



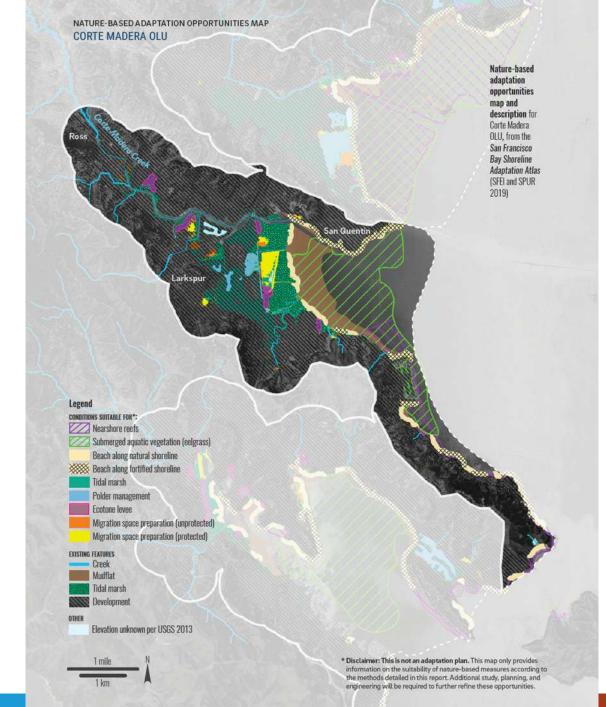
Adaptation Planning Effort

Climate Adaptation Plan

- Purpose: enhance the resilience of our community
- Scope: all sectors, Town-wide, long range
- Likely Outcomes: Framework
 for investment and change





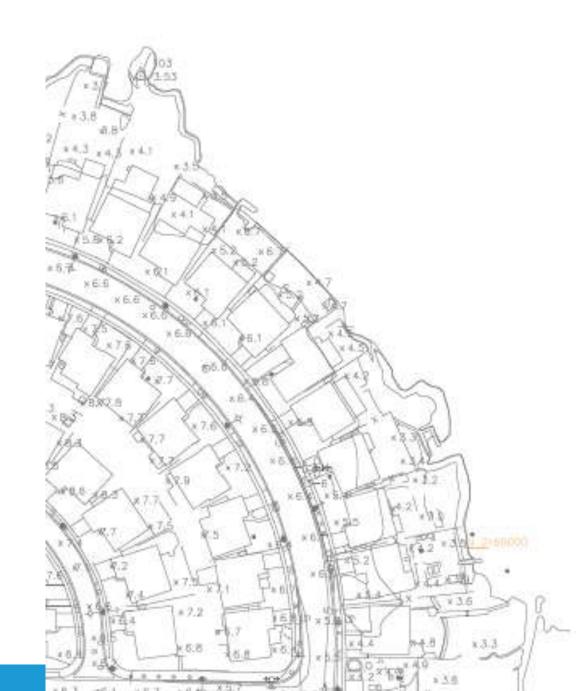








point

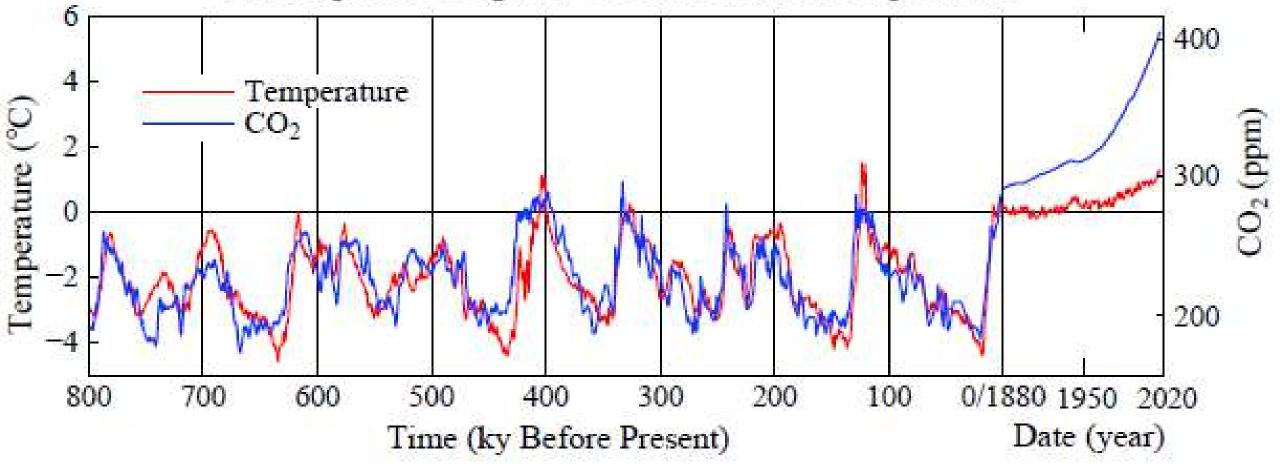




Climate Change Facts

What are the measurements on Greenhouse Gases and Temperatures?

Atmospheric CO₂ and Global Surface Temperature







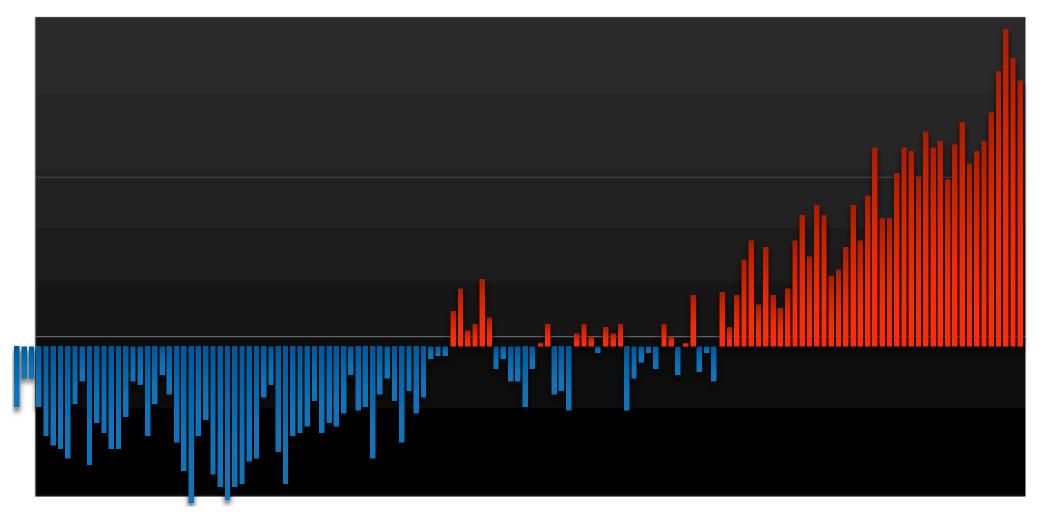
CO² at Highest Level in >800,000 yrs



https://climate.nasa.gov/evidence/

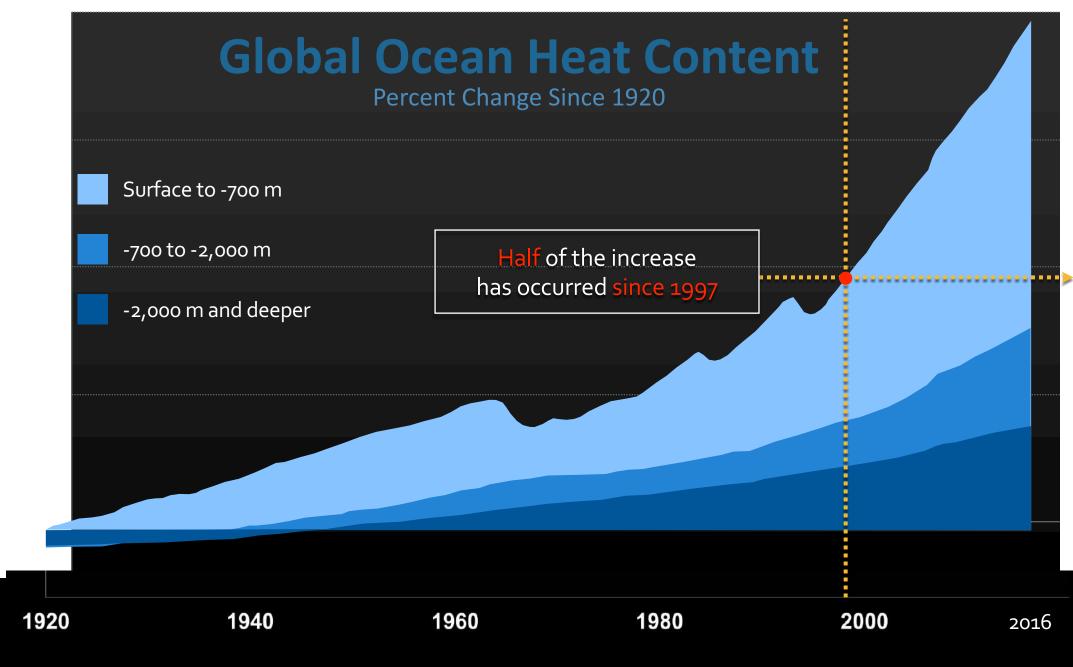
Global Surface Temperature – Departure from Average

1880 - 2018









apted by permission from Macmillan Publishers Ltd: Nature Climate Change, Industrial-era global ocean heat uptake doubles in recent decades, Figure 4, copyright 2016.



- · ENERGY INDEPENDENCE · PRESERVE RAINFORESTS
- · SUSTAINABILITY
- · GREEN JOBS
- · LIVABLE CITIES · RENEWABLES
- . CLEAN WATER, AIR HEALTHY CHILDREN · etc. etc.