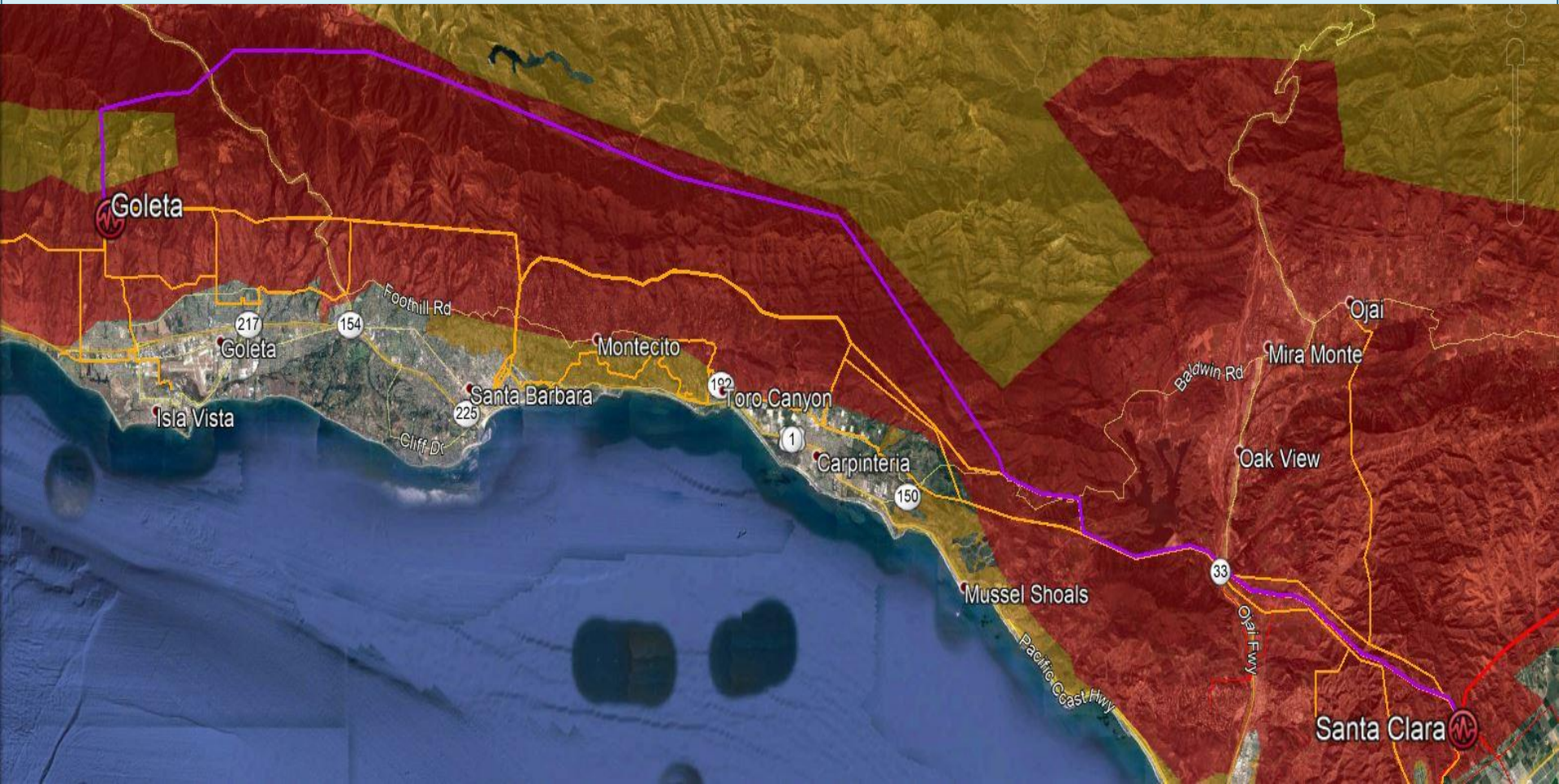


Making Montecito Resilient



WORLD
BUSINESS
ACADEMY

Clean  **Coalition**
Making Clean Local Energy Accessible Now

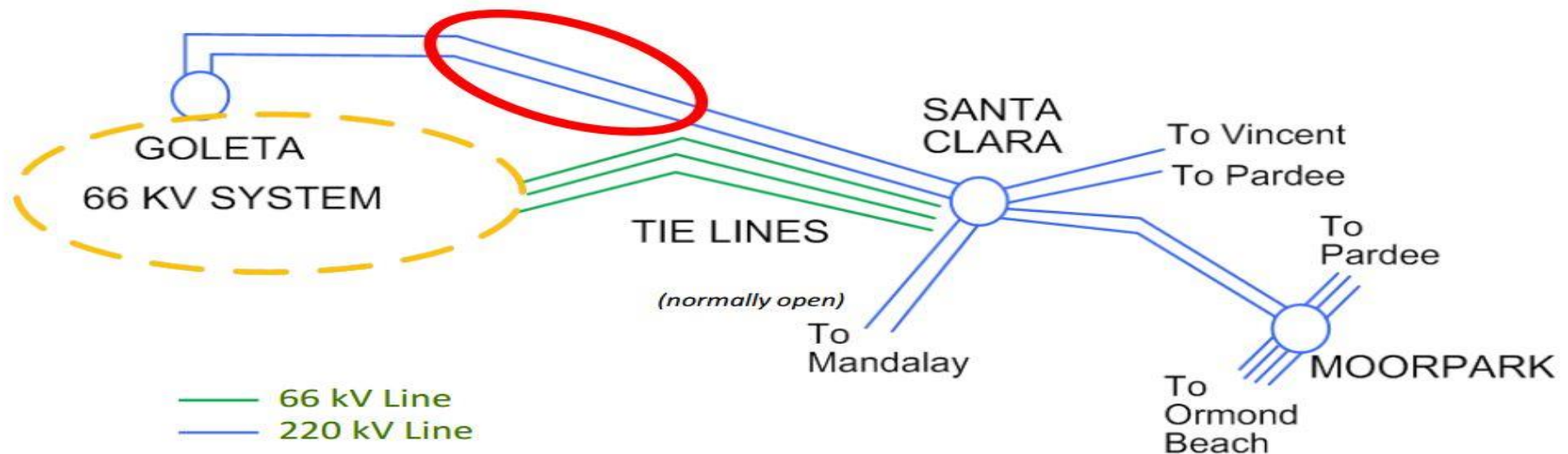
Microgrids: Our Energy Future

MICROGRIDS:

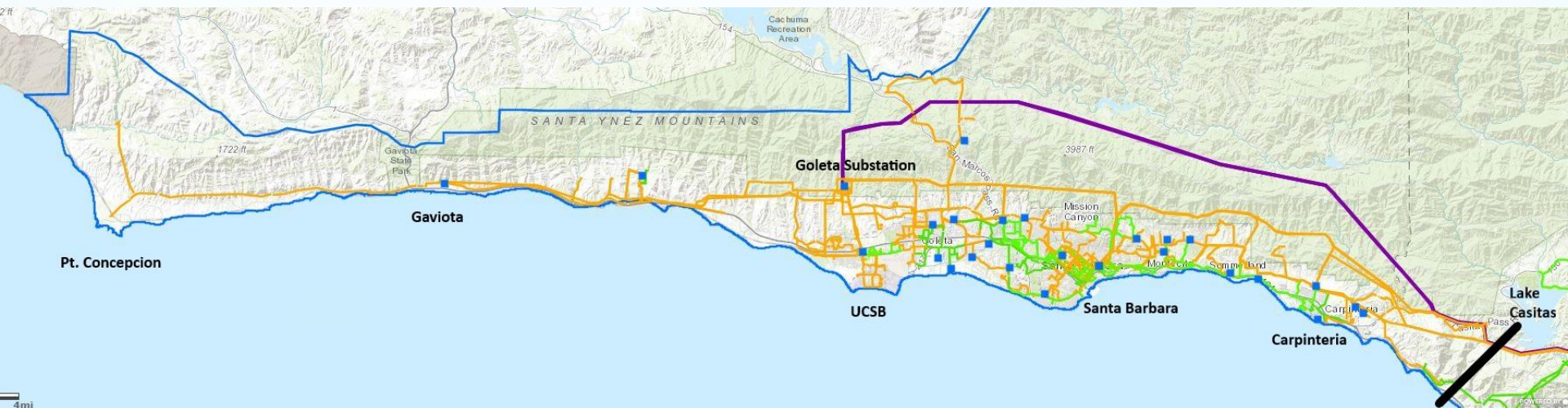


OUR ENERGY FUTURE

Transmission Ties to Goleta Load Pocket



Source: SCE, Goleta Area (GA) RFO Collaboration Workshop (12/13/16), p. 5



May 2016 – Edison Fire

(NW of Santa Clara Station – Multiple Lines Threatened)

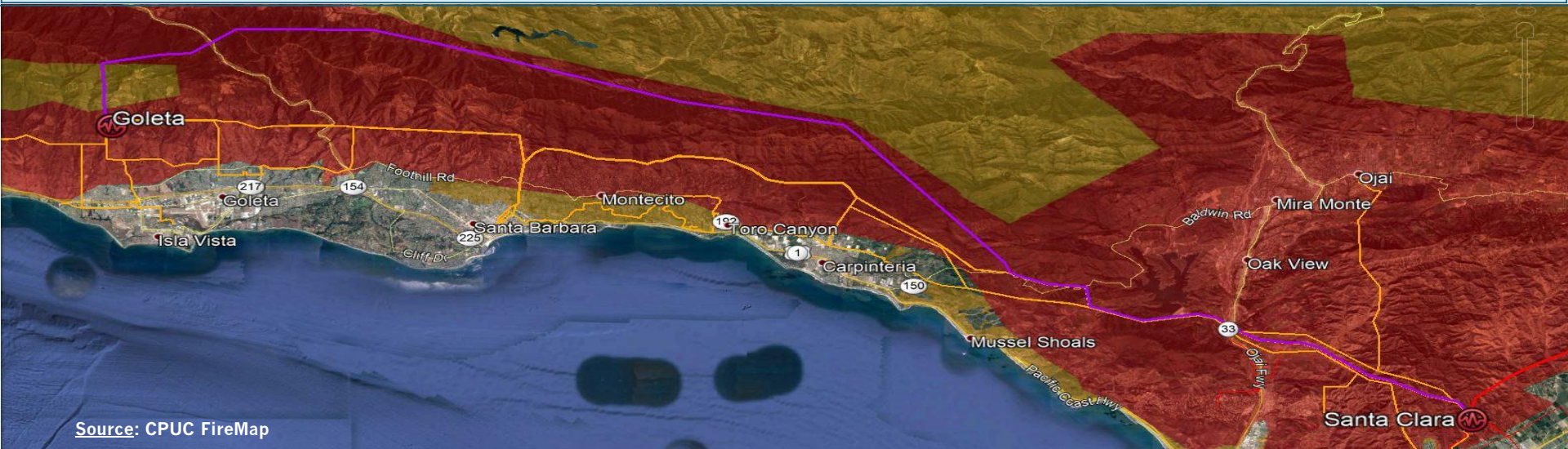


December 2017 – Thomas Fire

(Multiple Outages)



SCE: Preemptive Outages the New Policy



Given recent wildfire legislation and potential utility liability for wildfires started from wires and equipment, SCE has instituted preemptive measures, outlined on the right, that may result in more frequent planned outages in advance of oncoming wildfires. SCE has already issued advance notices for recurring wind conditions.

The CPUC FireMap above shows that the Goleta Load Pocket is surrounded by extreme (Tier 3) fire threats. How often will we have to contemplate this possibility?

PUBLIC SAFETY POWER SHUTOFF

Last resort public safety measure to mitigate wildfire risk

4-7 DAYS AHEAD



When forecasts indicate extreme weather, SCE will begin predictive modeling to assess potential impact.

3 DAYS AHEAD



SCE monitors fire weather watch alerts from the National Weather Service (NWS) and continues to refine predictive models.

2 DAYS AHEAD



Extreme fire weather conditions forecasted and NWS Red Flag Warning issued. Coordinate with local government and agencies (e.g. emergency responders) first. Initiate customer notifications on possible power shutoff.

1 DAY AHEAD



Extreme fire weather conditions imminent; continued modeling and more accurate forecasts determine affected areas. Continue to coordinate and communicate with local government, agencies and customers of possible power shutoff.

POWER SHUTOFF



Extreme fire weather present and dangerous conditions validated by field resources; notify local government, agencies and customers of power shutoff.

POWER RESTORATION



Extreme fire weather subsides to safe levels and conditions validated by field resources; inspections and patrols of equipment begin, then power is restored to affected communities; agencies and customers notified of power restoration.

PLANNING AND MONITORING

OUTAGE

NOTE: Actual onset of weather conditions and other circumstances beyond our control may impact coordination and notification efforts.



ASK YOURSELF:

- What will you do when the grid power goes out more frequently?
- What will we do when the grid power is out for days in a row?

IS THERE A BETTER WAY?



World Economic Forum on Microgrids



END of slideshow

Hot Springs Distribution Circuit

The Backbone of the Montecito Community Microgrid

- Originates at Santa Barbara substation
- Extends into the Coast Village Road, then the Upper Village via San Ysidro
- MCMI Occupies the End Segments of the Circuit: Ideal for Microgrids
- All Properties Connected to Hot Springs should be able to share power!

