



GOLETA ENERGY STORAGE

SUPPORTING GOLETA AND CALIFORNIA'S
TRANSITION TO A CARBON FREE GRID

OCTOBER 2021

AltaGas

ABOUT ALTAGAS

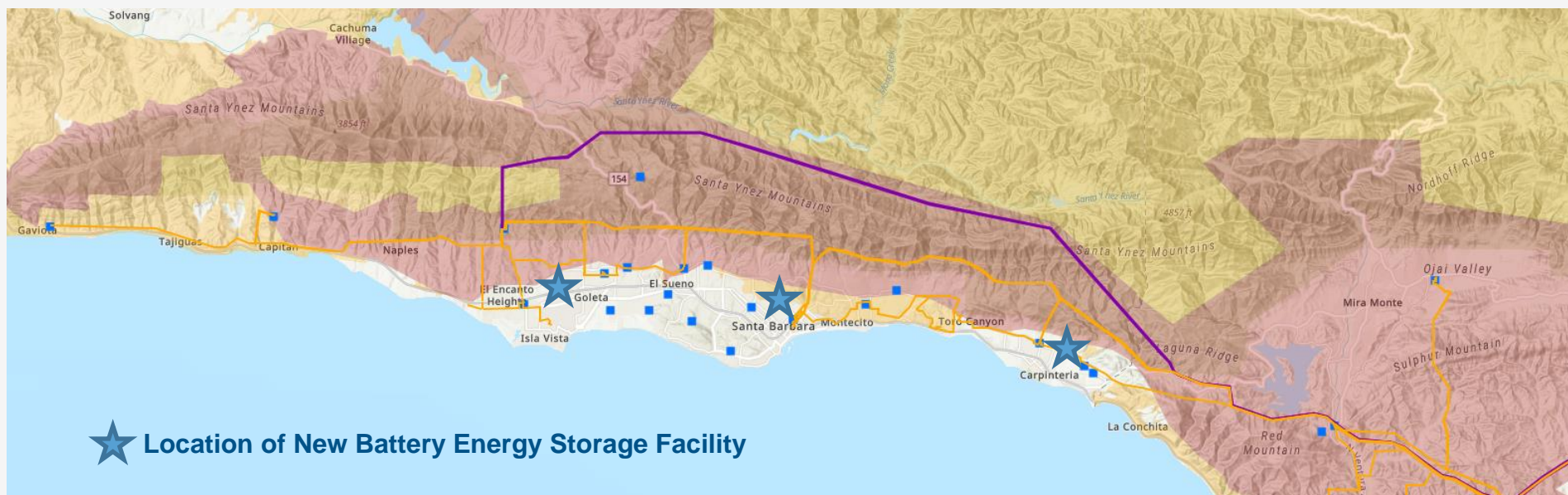
- North American Energy Infrastructure Company w/ ~\$20B in Total Assets
- As part of the transition to the carbon free economy, AltaGas converted an aging gas-fired generator in Pomona, California to energy storage
- **Pomona Energy Storage Project**
 - 20 MW / 80 MWh Battery Energy Storage System
 - North America's Largest Energy Storage Facility at Commissioning Date
 - Built in ~Four Months Using Union Tradeworkers
 - Added Much Needed Peak Capacity After Aliso Canyon Gas Leak and Shutdown

DEFINING THE NEED – REGIONAL PERSPECTIVES

The Unique Topography of the Central Coast Presents Challenges to a Reliable Electric Grid

- Southern California Edison Enhancing Grid Reliability Through Two Main Initiatives...
 - Strengthening the 66kV Subtransmission System with the Santa Barbara County Reliability Project
 - Adding Energy Storage Facilities Throughout the Santa Barbara Region

Energy Storage Facilities Add Capacity Resources To Meet Peak Load and Allow for Orderly Retirement of Natural Gas Power Plants



DEFINING THE NEED – STATE PERSPECTIVES

Governor Newsom Signs Emergency Proclamation to Expedite Clean Energy Projects and Relieve Demand on the Electrical Grid During Extreme Weather Events This Summer as Climate Crisis Threatens Western States

Published: Jul 30, 2021

Taking on climate change, California is working to build a 100 percent clean, safe, reliable and affordable power

BUSINESS

California Scrambles to Find Electricity Summer as Blackout Risks Grow

The state's grid operator is seeking to secure extra megawatts as a hot summer threatens to strain regional power supplies



Technology

California Orders Grid Emergency, Power Shortfalls Loom

By [David R Baker](#), [Will Wade](#), and [Mark Chediak](#)

July 9, 2021, 7:01 PM PDT Updated on July 9, 2021, 7:12 PM PDT

- ▶ Latest outage shows how vulnerable grid is to extreme weather
- ▶ Parts of Washington, Idaho lost power during historic heat

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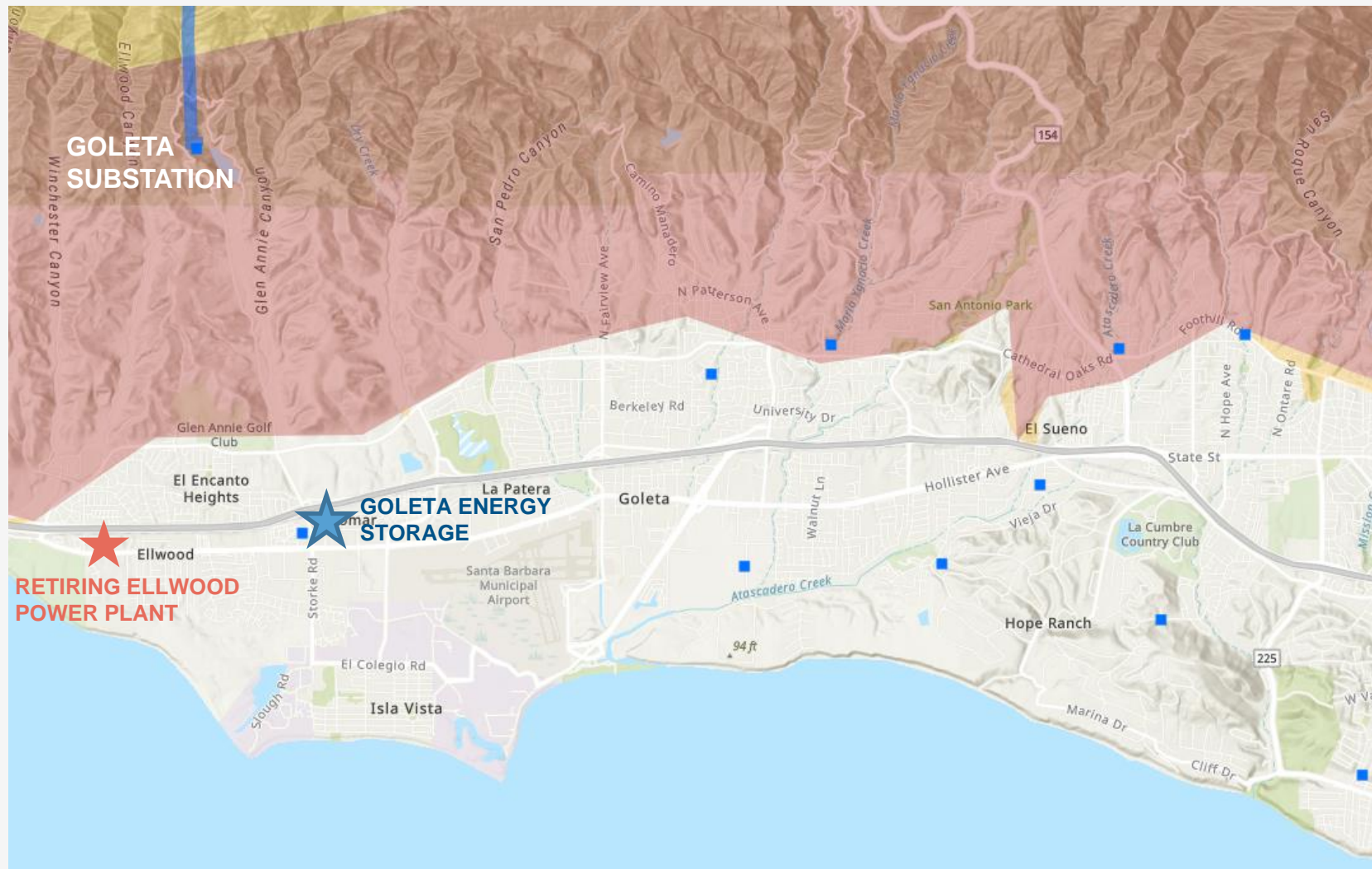
Bloomberg
Television

CALIFORNIA TODAY

Why Are Californians Being Asked to Turn Up the Heat?

Wednesday: An energy expert explains the stress on California's energy grid and what's likely to be ahead.

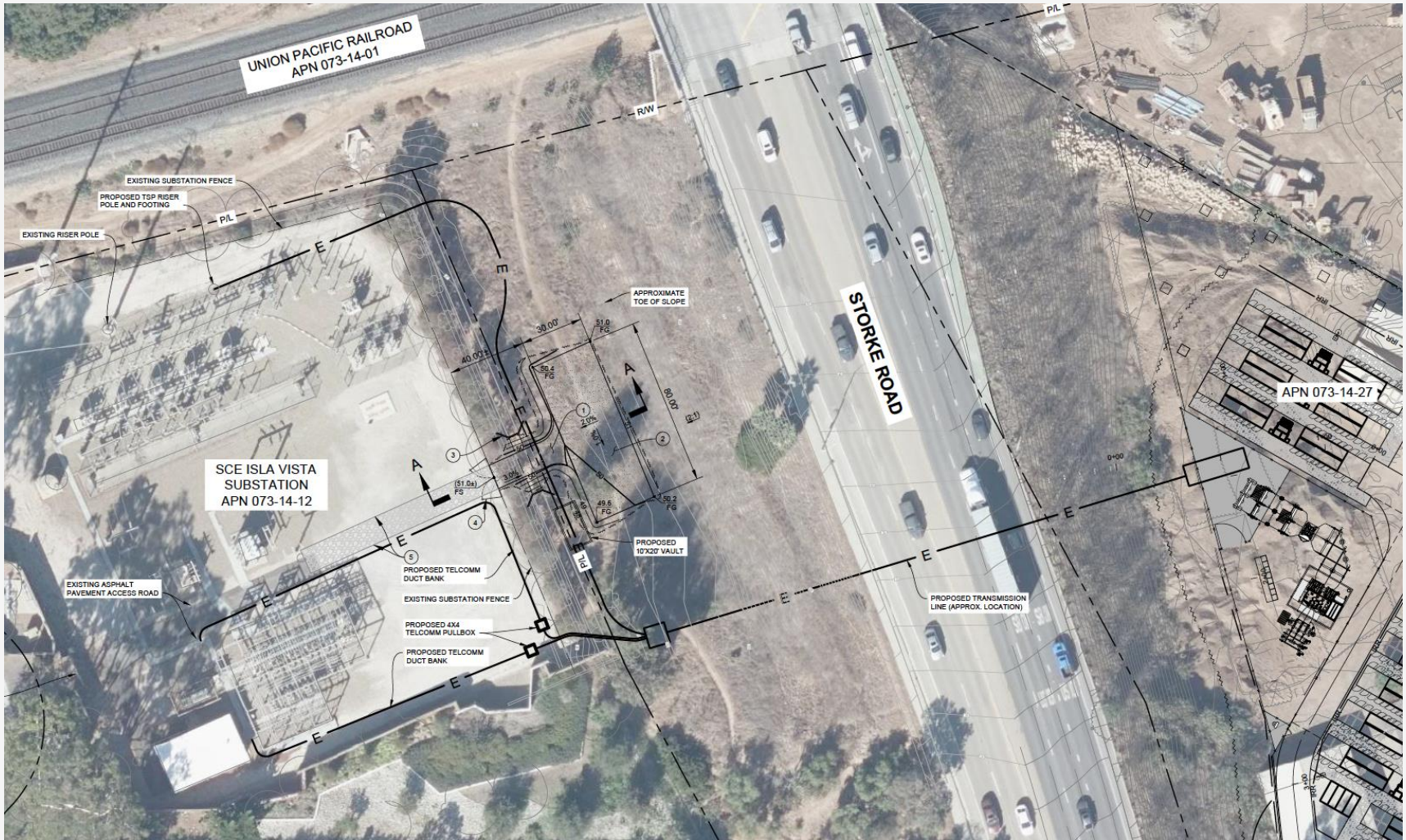
WHY GOLETA ENERGY STORAGE?



GOLETA ENERGY STORAGE – THE TESLA MEGAPACK

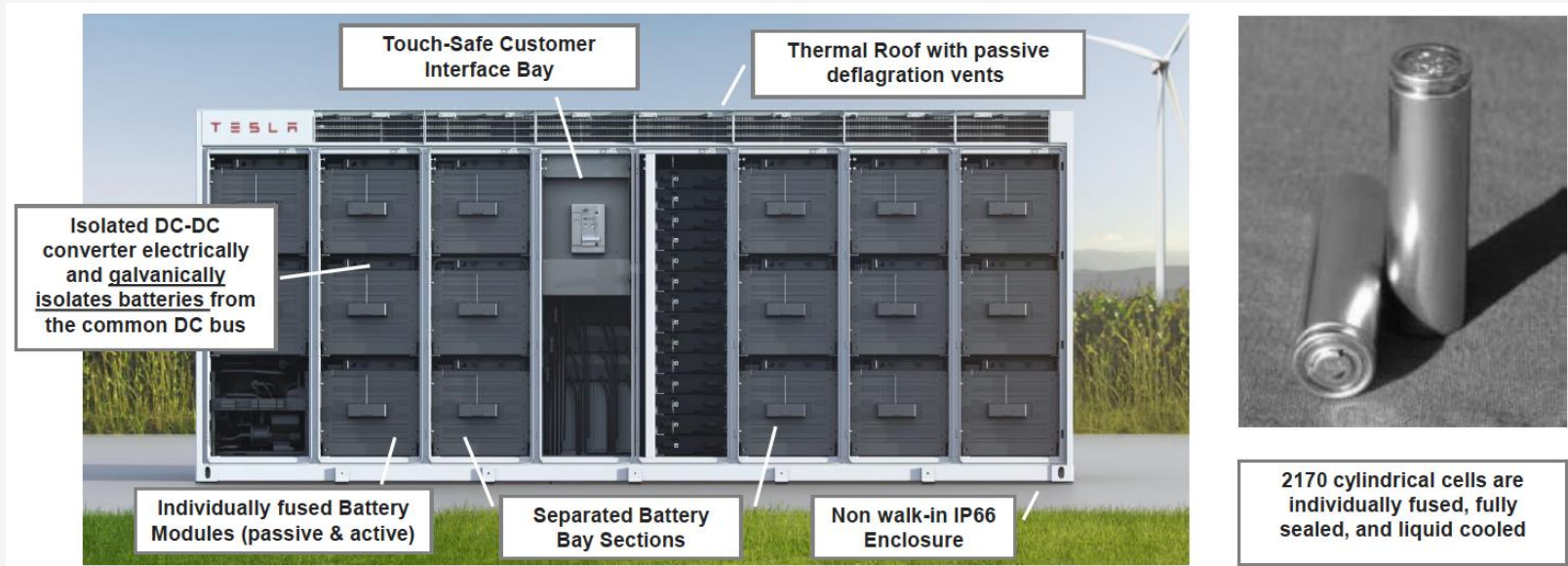


GOLETA ENERGY STORAGE – THE GRID CONNECTION



SAFE BY DESIGN

- Tesla Megapack is Designed with Safety as Top Priority



- Fully Certified to the Most Rigorous International Safety Standards
 - UL 1642 – Standard for Lithium Batteries (**Cell Level Certification**)
 - UL 1973 – Standard for Batteries in Stationary Applications (**Module Level Certification**)
 - UL 9540 – Standard for Energy Storage Systems (**System Level Certification**)
 - UL 9540A – Test Method for Evaluation Thermal Runaway Fire Propagation (**Fire Doesn't Spread**)

PROJECT RENDERINGS



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