



Delivering Energy to Southern and Central California for 150+ years



Largest natural gas distribution utility in country,¹ powering Southern California with increasingly clean, safe and reliable energy delivered to more than

21+ MILLION CUSTOMERS

¹ based on number of customers and revenue



ASPIRE 2045

largest gas utility in North America to set a net zero target including scopes 1, 2 and 3 GHG emissions by 2045 SoCalGas has among the strongest credit ratings of local distribution companies

A, A2 and A
WITH S&P, MOODY'S AND
FITCH, respectively

SoCalGas Engagement



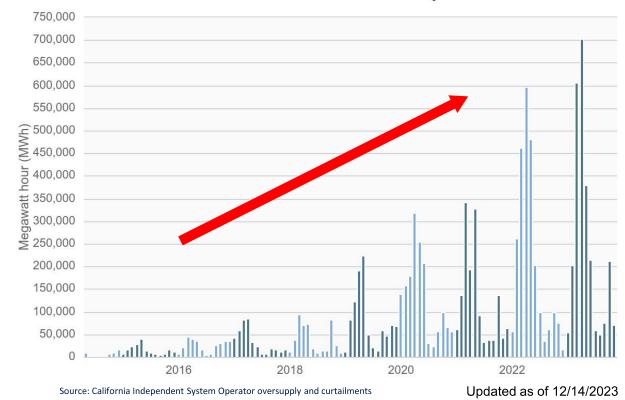


(SoCalGas.

Renewable Energy Curtailment

- » Curtailments of renewable power have been growing every year, driven by the time-of-day and seasonal mismatch of power supply and demand
- » In 2023, without considering the month of December, renewable curtailment reached a record of 2.6 Terawatt-Hours (TWh)
- This is more than 1.5x that of 2021's annual curtailment and almost 14x that of 2015
- During the peak month of April, curtailment increased by almost 18% alone compared to the peak month in 2022.





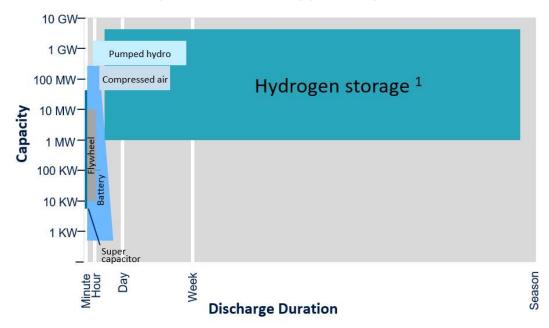


Glad to be of service.®

Hydrogen: Scalable Energy Storage Solution

- Energy storage is emerging as a critical element of transition to low-carbon energy mix:
 - Provides grid stability
 - Avoids economic disruption of power market
 - Provides benefits to rate and taxpayers
- » Hydrogen may be the only scalable solution to address long-term energy storage need
 - Lithium-ion batteries are currently limited to duration of four hours
 - Pumped hydro lacks scalability due to shortage of suitable sites and environmental permitting challenges
 - Storing energy in chemical form as hydrogen or synthetic methane is scalable and maintains its energy potential, irrespective of elapsed time.

Comparison of Energy Storage Alternatives

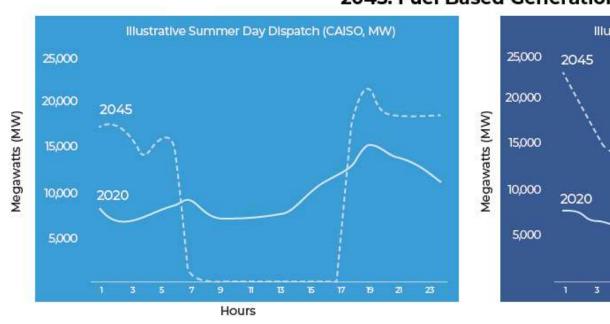


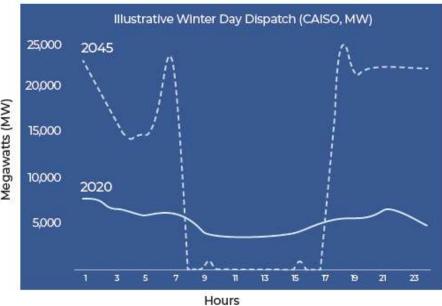
¹ As hydrogen or synthetic methane Source: IEA Energy Technology Roadmap, Hydrogen and Fuel Cells



Planning for Reliability

2045: Fuel Based Generation





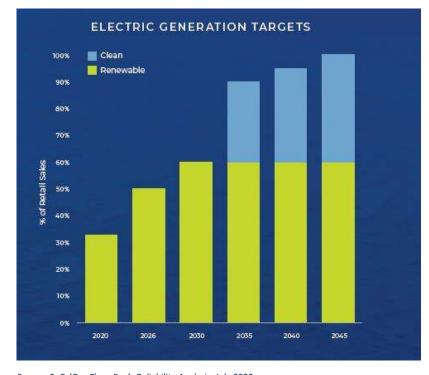
Source: SoCalGas Clean Fuels Reliability Analysis, July 2023

In the future, clean, dispatchable, and flexible generation will be critical for reliability.



Planning for Reliability

- » Renewable generation combined with clean, dispatchable, fuel based generation could enable deep decarbonization while preserving reliability.
- » In September 2022, SB1020 accelerated California's electric grid decarbonization goals established in SB100, targeting 60% renewable and 30% zero carbon electricity by 2035. It is imperative that the State plan for a diverse portfolio to balance growing renewable generation.
- » Prioritizing the development of clean, flexible resources like hydrogen generation could advance the State's electric sector decarbonization goals while maintaining a reliable electric system.



Source: SoCalGas Clean Fuels Reliability Analysis, July 2023

1 2014, CAISO's Flexible Capacity Proposal Approved by FERC,
https://sustainableferc.org/caisos-flexible-capacity-proposal-approved-by-ferc/



Multiple Initiatives: Moving Forward

Angeles Link

• Phase One feasibility studies underway

[H2] Innovation Experience

• On-Going testing of new appliances

Joint Hydrogen Blending Injection Standard

Application Submittal - Q1 2024



More Information...

- » Angeles Link Application: Application
- » Angeles Link CPUC Final Decision: Final Decision



Angeles Link Website



Angeles Link Memorandun
Accounting Filing Website

