

## ADVANCING CALIFORNIA'S CLEAN ENERGY TRANSITION







## Proud History of Delivering SoCalGas. Energy to Southern California

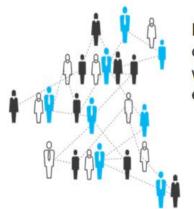
**OVER 150 YEARS** 

of institutional knowledge and expertise

Service territory covers about

24,000 SQUARE MILES

of diverse terrain throughout Central and Southern California, from Visalia to the Mexican border



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

21+ MILLION **CUSTOMERS** 



## California's Clean Energy Targets

California is a national climate leader, setting ambitious goals of reducing emissions and complementary policies



#### SB 32 (Pavley)

Requires a 40% reduction below 1990 levels of statewide greenhouse gas emissions by 2030.

#### SB100 (De Leon)

Requires renewable energy and zero-carbon resources supply 100 percent of electric retail sales to end-use customers by 2045.

#### AB1279 (Muratsuchi)

Codifies the Executive Order of carbon neutrality; established policy to achieve net zero greenhouse gas emissions no later than 2045 and achieve and maintain net zero emissions thereafter. Also requires statewide anthropogenic GHG emissions be reduced to at least 85% below 1990 levels.

#### 5B1020 (Laird)

Sets interim targets for SB100, accelerating the percentage of zero carbon resources; requires 60% Renewable Portfolio Standards (RPS) and 30% zero carbon by 2035, and 60% RPS and 35% zero carbon by 2040. The 60% RPS and 40% zero carbon 2045 target remains unchanged.

#### SB 905 (Caballero)

Instructs CARB to create a Carbon Capture, Removal, Utilization, and Storage Program to evaluate the efficacy, satety, and viability of carbon capture, utilization or storage and carbon dioxide removal technologies; facilitates capture and sequestration of carbon dioxide using these technologies; and develops monitoring and reporting frameworks to entorce the proper implementation of these activities

#### **SB 1383**

Requires a 75 percent reduction of the level of statewide disposal of organic waste by 2025, based on levels from 2014. Additionally, 20 percent of commercial edible food will need to be recovered from disposal by 2025.

## California's Clean Renewable Hydrogen and Carbon Management Strategies

California needs a broad portfolio of diverse energy sources and decarbonization tools, including cleaner fuels, as well as carbon management, to reach its goals.

Cleaner fuels hold the potential to deeply decarbonize sectors that are hard to electrify:







Mobility







ARCHES, has officially been awarded up to \$1.2 billion by the U.S. Department of Energy with an additional \$11.4 billion in public and private matching funds, with the signing of the landmark \$12.6 billion agreement on July 17, 2024 to create an integrated hydrogen hub in California – incorporating dozens of infrastructure projects throughout California.





## Proposed Clean Renewable Hydrogen Pipeline System

- Proposed open-access clean renewable hydrogen pipeline system to deliver decarbonized, reliable, renewable energy to end users across Central and Southern California
- Envisioned as nation's largest clean hydrogen pipeline system.
- Could significantly improve air quality and reduce greenhouse gas emissions from hardto-electrify sectors in the Los Angeles region.



## Hydrogen-Powered Microgrid

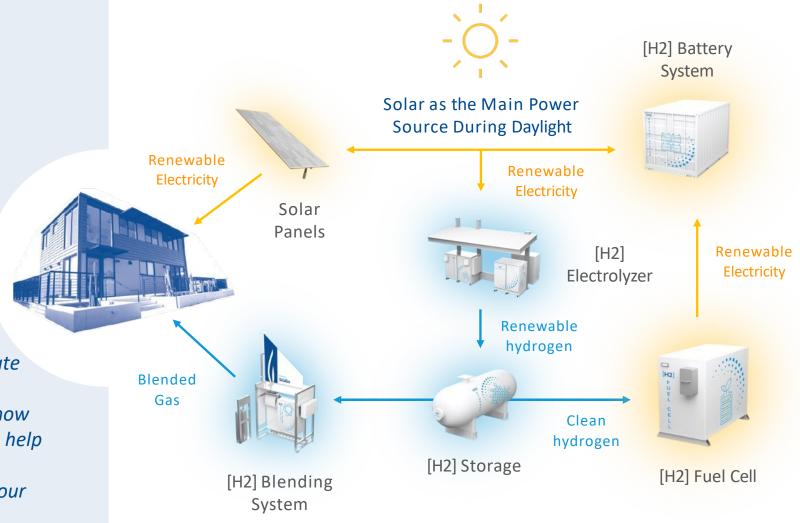
- » A showcase clean hydrogen microgrid and home
- » Shows how carbon-free gas made from renewable energy can be used in pure form or as a blend to fuel clean energy systems
- » Clean hydrogen microgrids can deliver reliable and renewable energy around the clock to more than 100 homes, rain or shine, for as much as seven days

"Innovative projects like the [H2] IE demonstrate how California is leading the clean energy transition. This first-of-its-kind project shows how clean renewable hydrogen and microgrids can help power homes, enhance grid reliability, and preserve and grow good-paying union jobs in our state."

— Lieutenant Governor Eleni Kounalakis

## How it works:





## SoCalGas' Infrastructure & Expertise

## Workforce

- » 8,000+ experienced, technologically skilled staff - Over half are unionized.
- » 73% of workforce are people of color, reflecting the diverse communities we serve.

### **Infrastructure**

Over **100,000** miles of underground pipelines and four underground storage facilities.

SoCalGas' infrastructure supports an integrated energy system:

- » Today, our infrastructure supports the transport of natural gas but has the ability to deliver increasingly clean fuels necessary to decarbonize California
- » Leveraging this infrastructure allows California to reach carbon neutrality more reliably, affordably, and with less risk.



# The Ask: Help to Accelerate the Clean Energy Transition

