

# Myths vs Facts

## About Hydrogen Blending in the City of Orange Cove

### Myths



Hydrogen blending is not safe.



This demonstration project is an experiment, and residents are test subjects.



The community had no role in the proposal of this demonstration project.



There are limited benefits to hydrogen blending, especially for residents. This will only benefit SoCalGas.

### Facts

Hydrogen blending has been proven safe.

- Has been safely used in the U.S. and globally for decades.
- Since 1974, Hawai'i Gas has been powering homes and businesses with a fuel mix of up to 15% hydrogen. Their customers have been using hydrogen blended gas in their stoves and heaters without any modifications.
- SoCalGas has blended hydrogen for over a decade, including at UC Irvine and our own facilities.

This demonstration project is not an experiment.

- Hydrogen blending is a proven technology that has been safely used in other places for years.
- The demonstration fills knowledge gaps specific to local infrastructure.
- The city supports the project after careful consideration and direct engagement with SoCalGas.

Community meetings were held where residents received information and provided their input.

- The city was aware that SoCalGas was looking for a home for the demonstration project and, given the economic benefits, the city sought this collaboration with SoCalGas.
- SoCalGas has had a strong, long-standing, positive collaboration with the City of Orange Cove.
- SoCalGas has worked closely with city leaders to carry out a proactive community engagement plan to promote transparency.

The hydrogen blending demonstration will bring many benefits to the residents:

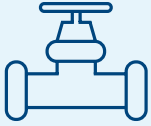
- Demonstrate how clean renewable hydrogen can reduce greenhouse gas emissions and fossil fuel use.
- Bring jobs and business opportunities, attract investment, and raise awareness of the city.
- Upon completion of the demonstration, SoCalGas has proposed to donate the solar panels to the city.



SoCalGas lacks experience to guide the project.

SoCalGas has extensive experience and expertise.

- Safely and reliably delivering energy to customers for over 150 years.
- A decade of experience safely blending hydrogen with natural gas.
- Brings institutional knowledge and expertise safely delivering energy to power our communities.



The project won't be monitored for safety, leaving residents vulnerable to leaks and damage.

SoCalGas would promote and enhance residents' safety through a robust safety plan that includes:

- Free appliance inspections to confirm home appliances like stoves and water heaters are in safe, working order.
- Regular leak checks of the Orange Cove natural gas system before and throughout the project and any necessary repairs.
- Remote monitors and automatic shutdowns installed from the start of the project for leak detection and response.
- Coordination with local fire department and city staff, including educational briefings for hydrogen safety procedures and developing emergency response plans.



Blended hydrogen will affect my appliances.

- Research suggests that blended hydrogen up to 20% would not impact operations or safety of appliances.
- Particularly, with blends up to 5%, the gas delivered to home appliances is nearly identical.



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