

SoCalGas: Leading in Hydrogen

- SoCalGas has 10 hydrogen pilot projects in motion, including testing moving hydrogen through existing natural gas infrastructure.
- Fast Company chose SoCalGas' H2 Hydrogen Home microgrid demonstration as one of its World-Changing Ideas. The Home will exhibit how carbon-free gas made from renewable electricity can be used to fuel clean energy systems of the future. **Timing: Summer 2022**
- Partnering with SunLine Transit Agency, [H2] SilverSTARS will produce clean hydrogen from renewable natural gas to fuel SunLine's fleet of fuel cell electric buses. **Timing: Q2 2022 through 2023**
- Several SoCalGas R&D initiatives designed to enable low-cost, clean hydrogen have been submitted to the U.S. Department of Energy's "Earthshot" Hydrogen Program's Request for Information.



Angeles Link

- SoCalGas is proposing to develop what would be the nation's largest green hydrogen energy infrastructure system to deliver clean, reliable energy to the Los Angeles region.
- When built, the *Angeles Link* green hydrogen system could reduce greenhouse gas (GHG) emissions, improve local air quality, and help SoCalGas serve California's energy needs for generations to come.
- *Angeles Link* can drive deep decarbonization of heavy-duty transportation, dispatchable electric generation, industrial processes and other hard-to-electrify sectors of the Southern California economy.
- **Timing: Memo account application filed with California Public Utilities Commission in February 2022**



Angeles Link

- The Los Angeles Basin is America's largest manufacturing center and home to many potential green hydrogen end users.
 - Transportation sources contribute more than 80% of the smog forming NOx emissions in the South Coast region. Heavy-duty trucks are the largest source of these emissions.
Source: South Coast Air Quality Management District's Draft 2022 Air Quality Management Plan
- *Angeles Link* could deliver clean energy in an amount equal to almost 25% of the natural gas SoCalGas delivers today, with a focus on serving hard-to-electrify industries – like heavy-duty trucks.
- *Angeles Link's* green hydrogen has the potential to help transition long-haul truck fleets to run on hydrogen fuel cells, preventing up to 3 million gallons of diesel a day from being burned on our roads.
- This would eliminate up to **25,000 tons** of smog-forming NOx pollution and **14.3 million metrics tons** of CO2 from the air annually – the equivalent of taking over **3.1 million** cars off the road.

