GET THE FACTS ON METHANE EMISSIONS

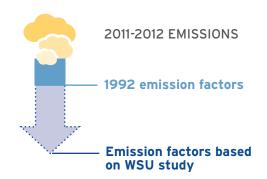


NATURAL GAS SYSTEM EMISSIONS ARE DECREASING

In every sector of the natural gas system, EMISSIONS ARE DECREASING.

Using 20-year old emissions factors, the US EPA 1 found total emissions from the natural gas systems from 2011-2012 decreased by 35%

But, a recent WSU study² using **advanced methods** and **direct measurement** found that emissions from the natural gas distribution system are actually lower by 36-700/6



FOCUS ON THE REAL PROBLEM

Methane emissions from natural gas systems are a SMALL FRACTION of California's TOTAL GHG emissions.





87% of California's methane emissions come from the **Agriculture** and **Waste** industries.³

Renewable natural gas (biogas) can be a PART OF THE SOLUTION.



By converting emissions from the Ag and Waste sectors into renewable bio-methane, California can produce enough **renewable natural gas** to replace 75% of all diesel fuel used by vehicles in the state.4

CH₄

With biogas, California can significantly reduce its GHG emissions-ACTUALLY TAKING METHANE OUT OF THE AIR!

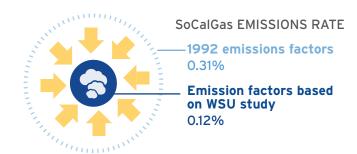


SoCalGas® IS LEADER IN REDUCING EMISSIONS

SoCalGas has one of the LOWEST emission rates in the country, despite being the nation's largest natural gas distribution utility.

With **modern emissions** factors, SoCalGas' emission rate is

2.5x less than previous estimates.2



We work hard to REDUCE our environmental impact.



We voluntarily **ELIMINATED ALL CAST IRON PIPES**—which are prone to rust and leaks-from our system.



SoCalGas was one of the **FIRST MEMBERS** to join the EPA's Natural Gas STAR program in 1993.



Since then, we have CUT MORE THAN 800,000 metric tons of carbon dioxide equivalent (CO2e). That's the same as reducing the mileage driven in California every year by more than

2 BILLION MILES!

WE CONTINUE TO BACK UP **OUR COMMITMENT WITH RESOURCES**

SoCalGas will invest \$6 billion over the next five years to maintain and improve safety, reliability and service to its customers.





^{2 2014} Washington State University, Natural Gas Local Distribution - Methane Emissions Study



³ California Air Resources Board's 2014 Inventory, Reducing Short Lived Climate Pollutants in California

⁴ Bioenergy Association of California 5 US EPA Greenhouse Gas Equivalencies Calculator