INNOVATION | RNG

THE POWER OF WASTE:
RENEWABLE NATURAL GAS (RNG) FOR CALIFORNIA

ONE-DAY WORKSHOP HOSTED BY ENERGY VISION,
SOCALGAS®, PG&E® AND GOVERNMENT, INDUSTRY
AND NGO PARTNERS

October 2, 2018
8:30 a.m. - 4:00 p.m.
Energy Resource Center
9240 Firestone Blvd, Downey, CA 90241

AGENDA

7:30 a.m. - 8:30 a.m. REGISTRATION, CHECK-IN AND BREAKFAST

8:30 - 8:45 a.m. WORKSHOP INTRODUCTION: MOVING TOWARDS A SUSTAINABLE ENERGY & TRANSPORTATION FUTURE
Joanna D. Underwood, Founder, Energy Vision

8:45 - 9:30 a.m. U.S. AND GLOBAL PERSPECTIVES ON THE RENEWABLE NATURAL GAS OPPORTUNITY
The panelists will provide an introduction to renewable gas, how it is made, where it can be used, and the market outlook.

Mike Mitariten, Market Director, Air Liquide
Rex Parappilly, Business Development & Strategy, Xebec Adsorption
Brent Jaklin, VP Business Development & Technology, Greenlane Biogas North America
9:30 - 10:30 a.m.  **ULTRA-LOW CARBON RENEWABLE NATURAL GAS & ITS END-USE MARKETS**
From fueling heavy-duty vehicles to providing a feedstock for hydrogen fuel cells, the panelists will discuss some of the end-use options for renewable gas and the associated environmental, public health, and sustainability benefits each offers.

**Sahar Kamali**, Director of Business Development, Clean Energy Renewables  
**Paul Fukumoto**, Director of Business Development, Fuel Cell Energy  
**Chris Young**, General Sales Manager - Bus Business, Cummins Westport  
**Moderator:** Matt Tomich  
President, Energy Vision

10:30 - 11:00 a.m.  **COFFEE AND NETWORKING**

11:00 a.m. - 12:00 p.m.  **PROGRAMS, TECHNOLOGIES AND APPROACHES TO BRING RENEWABLE GAS TO MARKET**
Panelists will discuss different programs, technologies and approaches to help develop more RNG projects and transport RNG to end-use customers.

**Scott Gramm**, Manager - Renewable Natural Gas, FortisBC  
**Daniel S. LeFevers**, Director of State and Consumer Programs, Gas Technology Institute  
**Matt Gregori**, Technology Development Manager, SoCalGas  
**Steve Moorleghen**, Wholesale Marketing & Business Development, PG&E  
**Moderator:** Nina Kapoor, Director of State Governmental Affairs, RNG Coalition

12:00 - 1:00 p.m.  **LUNCH AND NETWORKING**

1:00 - 2:10 p.m.  **ORGANICS DIVERSION AS A DRIVER FOR RNG PROJECT DEVELOPMENT**
The panelists will discuss state and local policy drivers to divert organic waste from landfills and provide short case studies on projects producing RNG from diverted food waste and other organics in California.

**Evan Johnson**, Senior Environmental Scientist, CalRecycle  
**Mark McDannel**, Energy Recovery Section Head, LA County Sanitation Districts  
**Jeff Stander**, Senior Project Developer, Ameresco  
**Thomas Gratz**, Sales Manager - US, Hitachi Zosen Inova  
**Mike Silva**, Civil Engineer and Project Manager, CR&R  
**Moderator:** Julia Levin  
Executive Director, Bioenergy Association of California
2:15 – 3:15 p.m. THE ROLE OF THE STATE AND LOCAL AGENCIES IN ADVANCING RNG IN CALIFORNIA

The panelists will discuss how state and local agencies are advancing the RNG industry, and the potential of RNG in California’s energy mix for reducing greenhouse gas emissions, short-lived climate pollutants, and criteria pollutants.

Jamie Ormond, Senior Analyst – Renewable Natural Gas, California Public Utilities Commission
Tim Olson, Senior Policy Advisor, California Energy Commission
Jim Duffy, Manager - Alternative Fuels, California Air Resources Board
Phil Barroca, P.E., Program Supervisor – Technology Demonstration, South Coast AQMD
Moderator: Michael Boccadoro, President, West Coast Advisors

3:15 – 3:30 p.m. CLOSING REMARKS AND NEXT STEPS

This event was made possible with support from the following sponsors: