



INNOVATION | RNG

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

October 5, 2017
8 a.m. - 4:15 p.m.

Capitol Plaza Halls, Grand Ballroom
1215 J Street, Sacramento, CA 95814

AGENDA

**ONE-DAY WORKSHOP HOSTED BY ENERGY
VISION, SOCALGAS® AND PG&E®**

- 8 - 8:45 a.m. **REGISTRATION, CHECK-IN AND BREAKFAST**
- 8:45 - 8:50 a.m. **WORKSHOP INTRODUCTION: MOVING TOWARDS A
SUSTAINABLE ENERGY & TRANSPORTATION FUTURE**
Joanna D. Underwood, Founder, Energy Vision
- 8:50 - 9:05 a.m. **WELCOME ADDRESS**
George Minter, Vice President, SoCalGas External Affairs &
Environmental Strategy, SoCalGas

Dave Lewis, Director, Wholesale Marketing and Business Development,
PG&E
- 9:05 - 10:00 a.m. **EXPLORING THE ECONOMIC/POLICY LANDSCAPE**
The panelists will provide an overview of the biogas and renewable
natural gas industry, including the environmental benefits, key
economic and policy drivers, current and future incentives, and project
economics.



Johannes Escudero, CEO and Executive Director, Coalition for Renewable Natural Gas

Julia Levin, Executive Director, Bioenergy Association of California
Jessica Giffey, Senior Consultant, Baker Tilly

Moderator: Matt Tomich, president, Energy Vision

10:00 - 11:00 a.m.

DEVELOPING DAIRY DIGESTER PROJECTS AND SB 1383

Hear from several of the leading dairy digester developers in the United States and the keys to build a successful project. Discussion will also focus on SB 1383 and the five or more dairy pilot projects that will interconnect to the gas utility pipeline.

Nate Taylor, Project Manager, SoCalGas

Grant Zimmerman, CEO, ampCNG

Ross Buckenham, CEO, California Bioenergy

Nathan Nisly, Director of Development, Maas Energy Works

Moderator: Michael Boccadoro, President, West Coast Advisors

11:00 - 11:15 a.m.

COFFEE AND NETWORKING

11:15 a.m. - 12:15 p.m.

THE ROLE OF STATE AGENCIES IN ADVANCING RNG

The panelists will discuss how state agencies are advancing the RNG industry, including topics such as the potential of RNG in California's energy mix for reducing greenhouse gas emissions, reducing short-lived climate pollutants, SB 1383 renewable gas initiatives, and the low carbon fuel standard.

Ryan McCarthy, Science and Technology Policy, Advisor, California Air Resources Board

John Kato, Deputy Director - Field and Transportation Division, California Energy Commission

Dr. Amrith Gunasekara, Science Advisor to the Secretary, California Department of Food and Agriculture

Hank Brady, SB 1383 Manager, CalRecycle

Moderator: Johannes Escudero, CEO and Executive Director, Coalition for Renewable Natural Gas

12:15 - 1:00 p.m.

LUNCH AND NETWORKING

1:00 - 1:50 p.m.

FROM BIOGAS TO RNG: OVERVIEW OF BIOGAS UPGRADING TECHNOLOGIES

Hear from several companies and their commercially available technologies that can upgrade biogas to meet utility pipeline quality specifications.

Antonio Saavedra, Business Development Director, Greenlane Biogas

Amir Ghasdi, Business Development Director, Xebec

Mike Mitariten, Market Director, Air Liquide

Shivaji Ramalingam, Business Account Director, DMT Clear Gas Solutions

Moderator: Scott Olson, Director of Strategic Planning for Renewables and Energy Efficiency, Black and Veatch Corporation

1:50 - 2:50 p.m.

TURNING ORGANIC WASTE INTO FUEL AND UTILITY INTERCONNECTION

The panelists will discuss how to successfully build commercial scale facilities to produce biogas from landfill diverted organic waste. Utility panelists will discuss the process to interconnect to the utility pipeline.

Mike Silva, Civil Engineer and Project Manager, CR&R Municipal Organics, Anaerobic Digestion & RNG

William Skinner, Sales Manager, Hitachi Zosen Inova Municipal Organics, Anaerobic Digestion & Onsite Generation

Jim Lucas, Market Development Manager, SoCalGas

Dave Lewis, Director Wholesale Marketing and Business Development, PG&E

Moderator: Matt Tomich, President, Energy Vision

2:50 - 3:05 p.m.

COFFEE AND NETWORKING

3:05 - 4:05 p.m.

RENEWABLE GAS DEVELOPMENT AND END-USE MARKETS

The panelists will discuss several of the end-use markets for renewable gas, as well as some innovative renewable gas production technologies including power-to-gas, thermochemical biogas conversion, and artificial photosynthesis.

Brandon Price, Environmental Commodity Compliance Manager, Clean Energy Renewables

Kevin Cook, Regional Sales Manager, Cummins Westport

Todd Little, Director of Gas Management, Bloom Energy

Ricardo Hamdan, Sales Manager, Hitachi Zosen Inova

Matt Gregori, Technical Development Manager, SoCalGas

Moderator: Matt Tomich, President, Energy Vision

4:05 - 4:15 p.m.

CLOSING REMARKS

Joanna D. Underwood, Founder, Energy Vision

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



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