# U.S. Renewable Natural Gas Opportunity

September 9, 2016

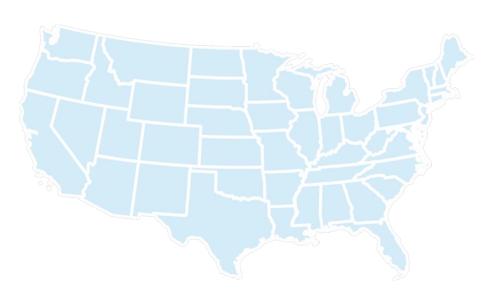
Johannes D. Escudero

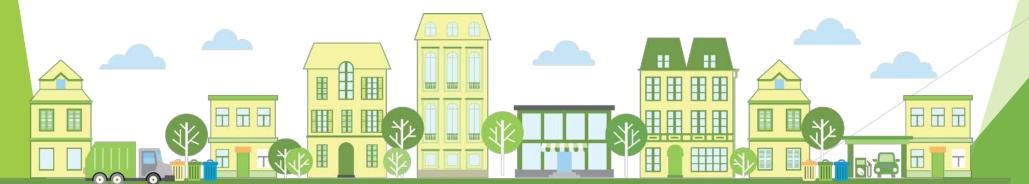
CEO & Executive Director
Coalition for Renewable Natural Gas



#### **Presentation Overview**

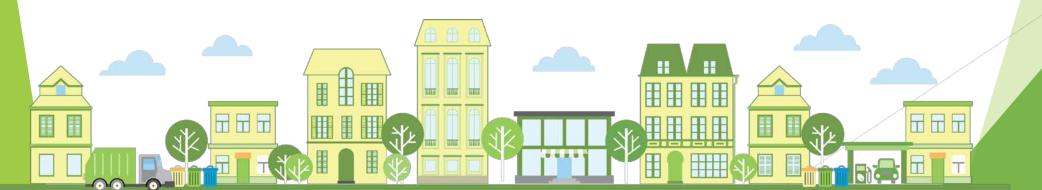
- ► RNG By The Numbers
- ► Industry Trajectory
- Policy





## Renewable Natural Gas can & should be part of the United State's solution to...

- ► Cut Smog & Air Pollution
- ▶ Combat Climate Change
- ► Stabilize Fuel Price Volatility
- ▶ Reduce Dependence on Foreign Oil
- ► Curve Unsustainable Waste Practices



#### Renewable Natural Gas is...

- ▶ Clean
- **▶** Domestic
- ► Abundant
- ► Affordable
- Sustainable





## RNG provides an ultra-clean, very-low carbon fuel to a new generation of medium and heavy duty NGVs



### 100% RNG



in vehicles can reduce GHG emissions by more than



## 20% RNG-blend





## Q RNG

from some sources are carbon negative, meaning that they sequester GHG during the fuel lifecycle.

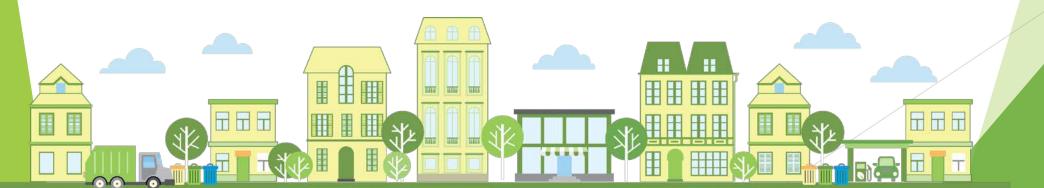




#### NATURAL GAS PROVIDES



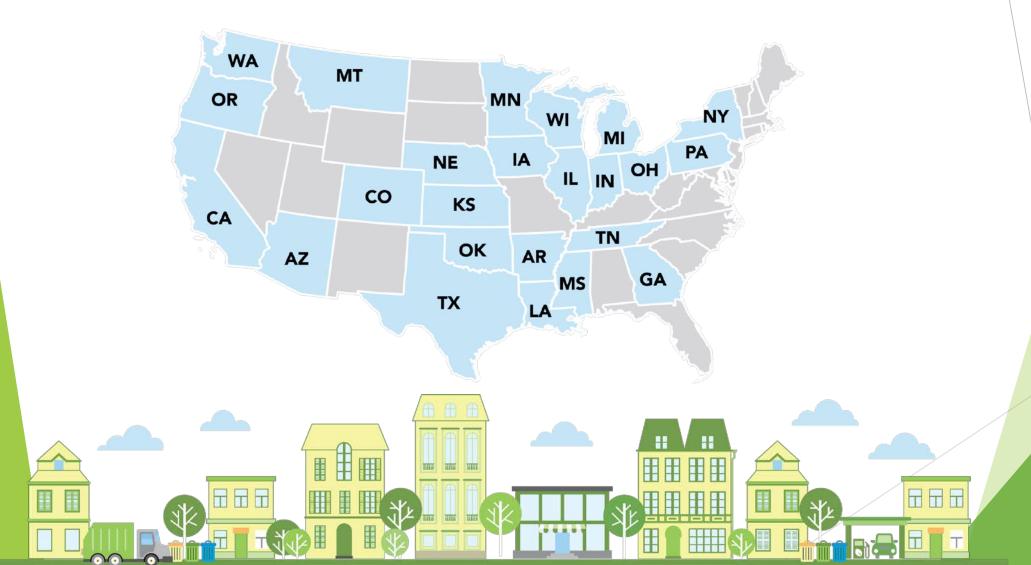




RNG helps create fuel security by diversifying America's fuel supply and reducing dependence on foreign oil



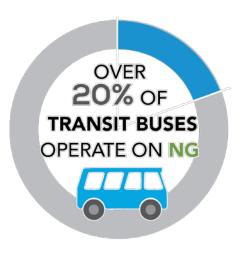
## RNG projects operate or are under construction in 24 States



RNG + NGVs

provide consumers with
vehicles and fuel options
increasing competition and
driving down prices at the pump



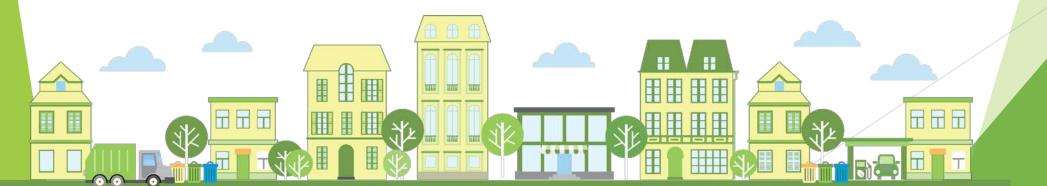








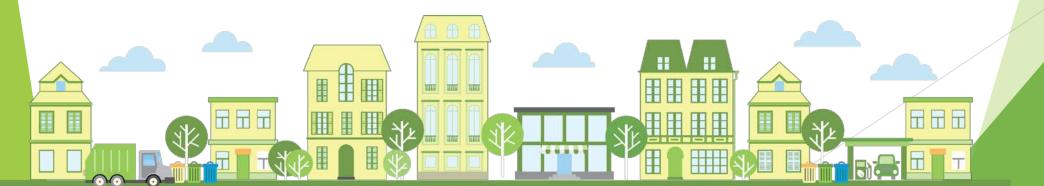
## RNG promotes sustainability and helps ensure waste isn't wasted



U.S. RETAILER AND
CONSUMERS DISCARD
133 BILLION
POUNDS OF FOOD
ANNUALLY

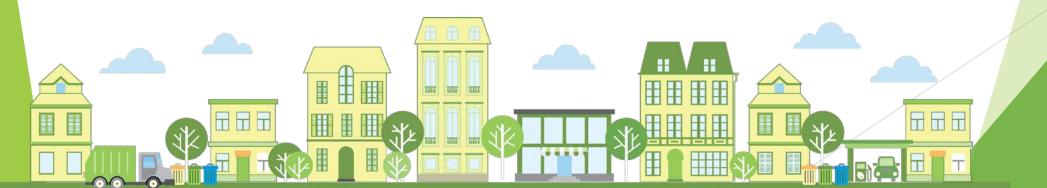






RNG PROJECTS CAPTURE THE GHG FROM FOOD AND OTHER ORGANIC WASTE THAT WOULD OTHERWISE ESCAPE INTO THE EARTH'S ATMOSPHERE.





#### POTENTIAL SOURCES OF ORGANICS USED TO PRODUCE RNG INCLUDE:



66.5 MILLION 17, TONS / YEAR FAC





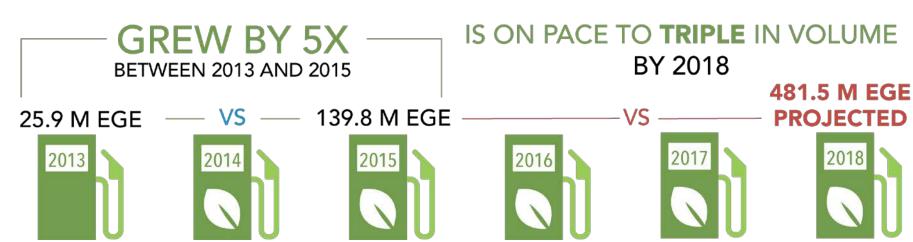


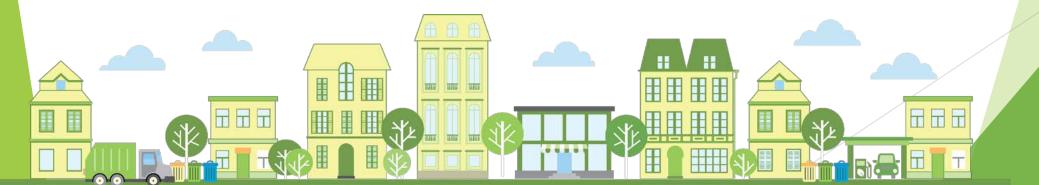


## The U.S. Renewable Natural Gas Industry is Gaining Momentum



#### RNG PRODUCTION FOR TRANSPORTATION FUEL

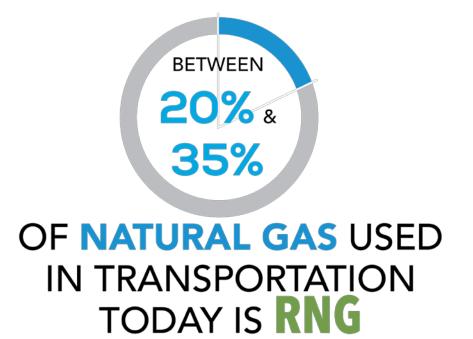


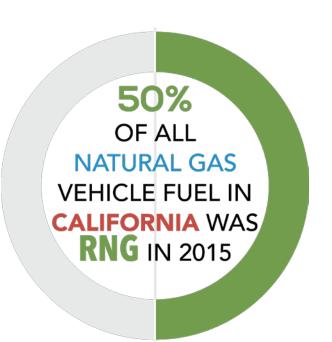


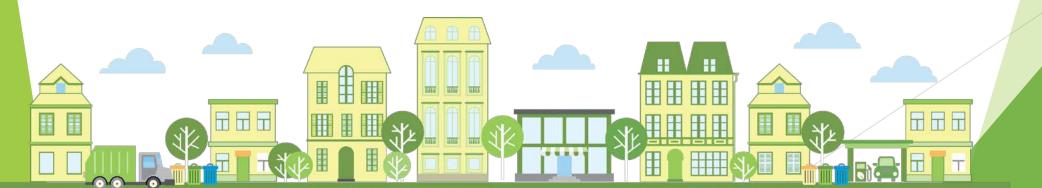
40 PROJECTS IN NORTH AMERICA PRODUCE ULTRA-LOW CARBON RNG
FOR TRANSPORTATION FUEL USE; AND THE NUMBER OF PROJECTS IS ON TRACK TO DOUBLE TO 80 BY THE END OF 2018





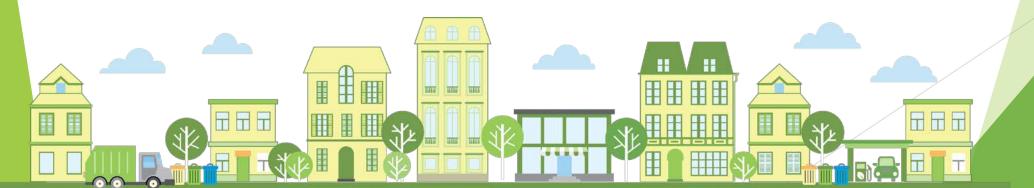






#### Why is this happening?

- Superior Environmental Attributes
- ► Industry Leadership & Organization
- Increased Awareness
- ► Policy Responsiveness



#### Thank you!

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