### RENEWABLE NATURAL GAS

Providing affordable, renewable energy for Canada

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## CGA Membership & Canadian Energy Demand





### **Natural Gas Use and Unmatched Affordability**



**Residential Space & Water Heating Costs - Canada, 2015** 

Natural gas - demand by sector 2013 (TJ,%)

Source: StatsCan, Hydro Quebec, Kent Marketing, Canadian Gas Association

Source: Statcan 128-0016



per year

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### **Canada's RNG Opportunity**



RNG Potential (bcf/year) vs. Provincial Gas Demand

Sources: Statistics Canada, Table 128-0016. Alberta Innovates, 2010



### CGA's 2025 and 2030 Target for RNG Blending



- 5% of Canada's natural gas demand from RNG
- 4-12 megatonnes in GHG savings

- 10% of Canada's natural gas demand from RNG
- 14-22 megatonnes in GHG savings



"The Government congratulates Canada's natural gas utilities for leading by example with their new renewable natural gas targets. "Finding new ways to develop renewable energy will help Canada transition to a lowcarbon economy, creating opportunities for jobs and helping to achieve our climate change objectives." said the Honourable Jim Carr, Canada's Minister of Natural Resources.



2025

2030

### **Canadian RNG Projects**

#### **Canadian Renewable Natural Gas (RNG) Projects**

**Operating & In Development as of 2017** 

Status: Operating

Quebec British Columbia **In Summary:** Ontario Abbotsford, BC 5 Terrebonne, QC Delta, BC Start date: 2010 Start date: 2014 Start date: 2014 RNG Production: 2,527 homes/year RNG Production: 28,000 homes/year RNG Production: 1,348 homes/year Status: Operating Status: Operating Status: Operating Digester Kelowna, BC St. Hyacinthe, QC Richmond, BC 10 Start date: 2014 Start date: 2017 Start date: 2016 RNG Production: 3.032 homes/vear RNG Production: 5,054 homes/year RNG Production: 505 homes/year Landfill Status: Operating Status: In development Status: In development Salmon Arm, BC Rivière du loup, QC Surrey, BC Wastewater 3 Start date: 2013 Start date: 2016 Start date: 2017 treatment gas RNG Production: 1,100 homes/year RNG Production: 1,011 homes/year RNG Production: 1,350 homes/year Status: Operating Status: In development Status: In development Chilliwack, BC Hamilton, ON Start date: 2011 Start date: 2015 RNG Production: 1,348 homes/year RNG Production: 2,695 homes/year

Status: Operating

#### • 11 Projects 130 million litres of

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- **RNG in diesel litres**
- Enough RNG for 55,000 homes

### The RNG Cost Advantage





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### Federal Support for RNG







# For more information visit www.cga.ca

