

RNG FORUM 2022

APRIL 6 & 7, 2022

Organizers



Presenting Partner



Strategic Partners



ABOUT THE RNG FORUM



The goal of RNG Forum 2022 is to gather and empower the industry stakeholders. The Forum aims to accelerate the knowledge-sharing and the generation of business leads, so we are able to increase the quantity of RNG produced in Quebec and worldwide.

The RNG industry is growing all over the world and has a huge potential to reduce GHG emissions, succeed the energy transition and fight against climate change. The North American industry has one hundred RNG production sites and almost as many projects currently in development or under construction.

Various politics, regulations and incentives in place are positive signals for the industry, but a lot of work is yet to be done to make it durable. The RNG Forum 2022 represents some of the necessary efforts to accelerate the sharing of knowledge and good practices in order to mobilize the industry.

Key topics

- Direction the market is taking and industry policies
- Connection to the natural gas grid
- How to build a successful project
- Project funding
- The North American market
- Case studies
- Assessment of project costs
- Management of the digestate and water
- On-farm anaerobic digestion
- Social acceptability and environmental impacts of projects
- How to operate a digester
- What are the safety regulations in anaerobic digestion
- Power-to-gas and pyrogasification

Participants

- Project developers
- Municipalities
- Farmers
- Solid waste generators
- Financiers
- Landfills owners
- Suppliers
- Owners of heavy-duty vehicle fleets
- Consultants
- Associations



OUR PARTNERS



Presenting Partner



Strategic Partners



Platinum Partners



Gold Partners



Other Partners



Association Partners



Conference Hall A

Conference Hall B

8 AM - 9:30 AM

WELCOME AND OPENING SPEECHES

Summary

RNG Forum organizers are expecting several high-profile keynote speakers to open the first RNG Forum and to share their vision for RNG development in Quebec and Canada.

Participants

- Maxime Lemonde, BiogasWorld
- Government of Quebec
- Energir
- Environment and Climate Change Canada



Environment and
Climate Change Canada

9:30 AM - 10:30 AM

Coffee Break

10:30 AM - 12 PM

SESSION A1. SHAPING THE RNG MARKET

Summary

This session will focus on the overview of Canadian RNG market, its challenges, and major drivers

Presenters

- *RNG market and its challenges*, Pierre-Olivier Pineau, HEC Montréal
- *Legal challenges of RNG project development*, Pierre-Olivier Charlebois, Fasken

Presentation 3 - TBC



SESSION B1. PRODUCTION OF RNG FROM BIOGAS

Summary

Get the detailed information on RNG plant commissioning, operations and optimization

Presenters

- *Operating the RNG plant*, Tom Ferencevic, Fitec Environmental Technologies Inc.
- *Design tools for RNG plant*, A. Akbari, anessa
- *Santé et sécurité en opération*, Sylvain Trépanier, SEMEC



12 PM - 2 PM

Lunch Break

2 PM - 3:30 PM

SESSION A2. RNG CASE STUDIES

Summary

Learn about RNG projects that are currently producing and injecting RNG in Quebec

Presenters

- *SEMECS: Municipal anaerobic digestion – Challenges and Successes*, Martin Dampousse, maire de Varennes
- *CTBM: Industrial anaerobic digestion project*, Benoit Paré, Centre de Traitement de la Biomasse de la Montérégie
- *Best practices for reducing Projects costs*, Maxime Lemonde, BiogasWorld

Presentation 4 - TBC



SESSION B2. RNG PRODUCTION AT LANDFILLS

Summary

This session will cover the RNG production at landfills in Canada, available technologies and details of current operating projects

Presenters

- *Particularities of landfill biogas upgrading*, Julie Flynn, Waga Energy
- *Opportunities and challenges of biofuel production*, Charles Tremblay, Sysgaz inc.

Presentation 2 - TBC

Presentation 3 - TBC



3:30 PM - 4 PM

Coffee Break

4 PM - 5:30 PM

SESSION A3. PANEL DISCUSSION ON PROJECT FINANCING

Summary

RNG project financing may be a challenge and this panel will discuss the options available for new projects in Canada.

Presenters

- *Gérard Mounier*, GNR Québec Capital

Other presenters to be confirmed.



SESSION B3. VIRTUAL PIPELINE AND RNG TRANSPORT

Summary

Discover what virtual pipeline is and what options are available to transport your RNG

Presenters

- *Applications of Mobile Pipeline in the RNG business*, Mark Babcock, Hexagon Group
- *CRNG - Mobile access to pipeline making RNG projects economically viable*, Jacob Pratt, Certarus
- *On-farm CNG station and European market*, Patrice Gouin, Prodeval

Presentation 4: TBC



5:30 PM - 7 PM

Networking Cocktail

Conference Hall A

8 AM - 9:30 AM

SESSION A1. NATURAL GAS PIPELINE AND RNG INJECTION

Summary

Discover the opportunities offered by the RNG injection to natural gas pipelines in North American RNG market

Presenters

- *Quebec RNG: interconnection and major developments*, **Energir**
- *RNG's role in decarbonizing gas networks*, **Thomas Murray, Vermont Gas**

Presentation 3: TBC

Presentation 4: TBC



Conference Hall B

SESSION B1: VALORISATION OF END PRODUCTS OF ANAEROBIC DIGESTION

Summary

Explore the options to treat and calorigate the AD end products, including the treatment of water, biogas, digestate, etc.

Presenters

- *Digestate treatment*, **Scott McKay, Fournier**
- *APTUNION - Digestion of industrial effluent and biomethane injection*, **Marie ESTEVE, Veolia**

Presentation 3: TBC

Presentation 4: TBC



9:30 AM - 10:30 AM > Coffee Break

10:30 AM - 12 PM

SESSION A2. MANAGEMENT AND VALORIZATION OF THE DIGESTATE

Summary

Digestate is the resources that can be valorized – learn more about the opportunities this end product of anaerobic digestion is bringing

Presenters

- *Land application of digestate: opportunities and challenges*, **Marc Hebert**
- *Innovations in treatment and valorization of digestate*, **Lotfi Khiari, Université Laval**
- *Effect of Nutrient Recovery and Digestate Volume Reduction on AD Plant Economics*, **Niloofer Abdehagh, CH Four Biogas Inc.**



SESSION B2. POWER-TO-GAS

Summary

Learn more about the developments in Power-to-gas market in Europe and opportunities in Canada

Presenters

- *Overview of projects in Europe*, **Jachin Gorre, Grinix**
- *Feasibility of Power-to-Gas projects in Quebec*, **Arianne Bhérier-Breton, Electrochaea**

Presentation 2 - TBC



12 PM - 2 PM > Lunch Break

2 PM - 3:30 PM

SESSION A3. AGRICULTURAL ANAEROBIC DIGESTION AND SOCIAL ACCEPTABILITY

Summary

Learn more about opportunities and challenges of RNG developments at farms and social acceptability of such projects

- *More than social acceptability, developing local support for the biogas sector*, **Kim Kornelissen, Coop Carbone**
- *Project development in Quebec*, **Philippe Laurencelle, Bio-Énertek**

Presentation 3 - TBC



SESSION B3. GASIFICATION, PYROLYSIS AND HYDROGEN

Summary

With new technologies rapidly developing, this session will present the opportunities they bring to the Canadian market

Presenters

- *Hydrogen in RNG network*, **Marie-France Gravelle, GHD**
- *High Temperature Pyrolysis: RNG, Green Hydrogen and Biochar from 1st and 2nd Generation Biomass Sectors*, **Andrew White, CharTech**

Presentation 3 - TBC

Presentation 4 - TBC



3:30 PM - 4:30 PM > Expo and End of Conferences