

RNG FORUM 2022

APRIL 6-7, 2022

EVENT PROGRAM

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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

Wednesday, April 6, 2022

8AM - 5:30PM	Conferences and Exhibition
7AM - 8AM	Welcoming Participants - Doors Opening
8AM - 9:30AM	Opening Speeches
9:30AM - 10:30AM	Coffee Break
10:30AM - 12PM	First Sessions (A1 and B1)
12PM - 2PM	Lunch Break
2PM - 3:30PM	Second Sessions (A2 and B2)
3:30PM - 4PM	Coffee Break
4PM - 5:30PM	Third Sessions (A3 and B3)
5:30PM - 7PM	Networking Cocktails

Thursday, April 7, 2022

8 AM - 4:30PM	Conferences and Exhibition
8AM - 9:30AM	First Sessions (A1 and B1)
9:30AM - 10:30AM	Coffee Break
10:30AM - 12PM	Second Sessions (A2 and B2)
12PM - 2PM	Lunch Break
2PM - 3:30PM	Third Sessions (A3 and B3)
3:30PM - 4:30PM	Expo and End of Conferences

DAY 1 – Wednesday, April 6, 2022



8AM – 9:30AM



Conference Hall A



Welcome and Opening Speeches

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.

Presenters

Moderator: Laurent Therrien, Syrrus

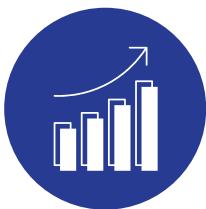
- *Organizers*, **Maxime Lemonde, President at BiogasWorld**
- *RNG in Quebec*, **Éric Lachance, CEO at Énergir**
- *RNG in Canada*, **Matt Hamilton, Head of Analysis and Studies, Waste Reduction and Management Division · Environment Canada**
- *Government of Quebec*, **Jonatan Julien, Minister of Energy and Natural Resources**



10:30AM – 12PM



Conference Hall A



Session A1. Shaping the RNG Market

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

Presenters

Moderator: Raphaël Duquette, Energir

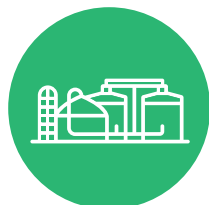
- *RNG's role in fighting against climate change in Quebec*, **Xavier Brosseau, Ministère de l'Énergie et des Ressources naturelles (MERN)**
- *RNG market and its challenges*, **Pierre-Olivier Pineau, HEC Montréal**
- *Legal challenges of RNG project development*, **Pierre-Olivier Charlebois and André Turmel, Fasken**



10:30AM – 12PM



Conference Hall B



Session B1. Producing RNG from Biogas

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

Presenters

Moderator: Behrang Mansoornejad, Xebec

- *Biogas plant: Steps and key factors for a successful project*, **Stéphane Guay, Génitique**
- *Broadening Your Biogas Horizon with Specialized Software*, **Robert DiDiodato, anessa** and **Rick Corradini, Sou'wester Exploration and Technology**
- *Operating a biogas plant*, **Tom Ferencevic, Fitec**
- *Health & safety in operation*, **Sylvain Trépanier, SEMEC**



2PM – 3:30PM



Conference Hall A



Session A2. RNG Case Studies

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

Presenters

Moderator: Philippe Laurencelle, BEKON Energy Technologies

- *Best practices for reducing Projects costs*, **Maxime Lemonde, BiogasWorld**
- *SEMECS: Municipal anaerobic digestion – Challenges and Successes*, **Martin Dampousse, Varennes Mayor**
- *CTBM : Industrial anaerobic digestion project*, **Benoit Paré, Centre de Traitement de la Biomasse de la Montérégie**
- *Coop Agri-énergie Warwick: agricultural anaerobic digestion*, **Josée Chicoine, Coop Agri-Énergie Warwick**



2PM – 3:30PM



Conference Hall B



Session B2. RNG Production at Landfills

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

Presenters

Moderator: Stéphane Gosselin, Triax

- *The potential and limits of social acceptability of landfill projects*, **Christine Duchaine, Sodavex**
- *Particularities of landfill biogas upgrading*, **Julie Flynn, Waga Energy**
- *Opportunities and challenges of biofuel production*, **Charles Tremblay, Sysgaz inc.**
- *Gas Desulfurization at a Landfill in Quebec*, **Martin Tielbaard, Paques**



4PM – 5:30PM



Conference Hall A



Session A3. Panel Discussion on Project Financing

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

Presenters

Moderator: Gabriel Durany, AQPER

- **G rard Mounier, GNR Qu bec Capital**
- **Cyrille N ron, Desjardins**
- **Am lie St-Laurent Samuel, FAQDD**
- **Fabrice Consalvo, Investissement Qu bec**



4PM – 5:30PM



Conference Hall B



Session B3. Virtual Pipeline and RNG Transport

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

Presenters

Moderator: Laurent Amram, Xebec

- *Applications of Mobile Pipeline in the RNG business*, **Mark Babcock, Hexagon Group**
- *AgriGNV  and CN'Green- valorization of biogas in bioGNC*, **Patrice Gouin, Prodeval**
- *ABetter Way for Liquefaction and Compression Technologies for Bio-LNG*, **Emanuele Chiodi, AB Energy**

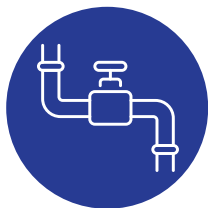
DAY 2 – Thursday, April 7, 2022



8AM – 9:30AM



Conference Hall A



Session A1. Natural Gas Pipeline, RNG Injection and RNG sales

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

Presenters

Moderator: Jennifer Green, CBA

- *Quebec RNG: interconnection and major developments*, **Olivier Pineau, Énergir**
- *RNG's role in decarbonizing gas networks*, **Thomas Murray, Vermont Gas**
- *Creating Value from RNG*, **Faizal Hassan, Element Markets**
- *Overview of the North American Market*, **Vincent Morales, RNG Coalition**



8AM – 9:30AM



Conference Hall B



Session B1. Valorization of End-Products of Anaerobic Digestion

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

Presenters

Moderator: Jeanne Charbonneau, CNETE

- *Digestate treatment*, **Scott McKay et Mathieu Ouellette, Fournier**
- *APTUNION – Digestion of industrial effluent and biomethane injection*, **Marie ESTEVE, Veolia**
- *Presentation title to be confirmed*, **Laurent Amram, Xebec**
- *Presentation title to be confirmed*, **Philippe Muesser, John Cockerill**



10:30AM – 12PM



Conference Hall A



Session A2. Digestate Management and Valorization

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

Presenters

Moderator: Clément Bekaert, Énergir

- *Agricultural Recycling of Digestates 101: Opportunities, Challenges and Traps to avoid*, **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.**



10:30AM – 12PM



Conference Hall B



Session B2. Power-to-gas

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

Presenters

Moderator: Pierre Carabin, APCAS

- *Overview of projects in Europe*, **Jachin Gorre, Grinix**
- *Pilot reactor for the catalytic CO₂ methanation for the Power-to-Gas process (McGill-Xebec)*, **Jan Kopyscinski, Université McGill**
- *Feasibility of Power-to-Gas projects in Quebec*, **Arianne Bhérier-Breton, Electrochaea**
- Presentation title to be confirmed, **Ricardo Hamdan, Hitachi Zosen Inova**



2PM – 3:30PM



Conference Hall A



Session A3. Farm-based Anaerobic Digestion and Social Acceptability

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

Presenters

Moderator Gérard Mounier, GNR Québec Capital

- *Challenges of agricultural biogas*, **Chantal Foulds, Union des producteurs agricoles (UPA)**
- *Positive spin-offs from biogas in agriculture*, **Jean-Yves Gardoni, Keridis Bioenergy**
- *Biogas in Quebec farms: Challenges and opportunities*, **Philippe Laurencelle, BEKON Energy Technologies**
- *More than social acceptability, developing local support for the biogas sector!*, **Kim Cornelissen, Coop Carbone**



2PM – 3:30PM



Conference Hall B



Session B3. Gasification, Pyrolysis and Hydrogen

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

Presenters

Moderator Pierre Carabin, APCAS

- *High Temperature Pyrolysis: RNG, Green Hydrogen and Biochar from 1st and 2nd Generation Biomass Sectors*, **Andrew White, CharTech**
- *Green hydrogen and renewable natural gas from waste in a circular economy*, **Marc Bacon, OMNI Conversion Technologies**