



# VALUE OF BIOGAS

**April 27-29, 2021**

**Canada's Premier Biogas  
and RNG Conference**

## **2021 VALUE OF BIOGAS APRIL CONFERENCE PROGRAM**

**Getting to Net-Zero Emissions in Canada with Biogas and RNG**

# 2021 Value of Biogas April Conference Program

## Getting to Net-Zero Emissions in Canada with Biogas and RNG

### Day 1 – Tuesday, April 27

#### 12:00 pm – 12:10 pm: Welcome to 2021 Value of Biogas April Conference

Welcome to *Value of Biogas* – April 2021

#### 12:10 pm – 12:30 pm: The Times They Are A-Changin' – Reaching Canada's Climate Goals with Biogas/RNG

There is no net-zero without biogas and renewable natural gas. Learn how biogas and RNG will play a role reaching Canada's ambitious climate targets.

#### 12:30 pm – 1:00 pm: What's Going On – Policy at a Glance in Québec

Québec is directly supporting RNG development with targets and project funding. Hear about the beneficial impacts of these measures directly from stakeholders in Québec.

- Summary of Policy Programs and Projects that Advance RNG in Québec, **Xavier Brosseau**, *Ministère de l'Énergie et des Ressources naturelles*
- How to benefit from government subsidies in Québec for your RNG project, **Maxime Lemonde**, *BiogasWorld*

#### 1:00 pm – 1:30 pm: Networking Break

#### 1:30 pm – 3:00 pm: How Low Can You Go – Low Carbon Energy Pathways and Climate Benefits of Biogas/RNG

Biogas/RNG is a proven low-carbon fuel with over 270 projects in Canada. Learn about different utilization pathways in Canada and associated climate benefits.

- Clean Energy Fuels & Redeem RNG - Fueling the Move to RNG powered Buses & Commercial Vehicles Across North America, **Sahar Kamali**, *Clean Energy*
- Federal Clean Fuel Standard, **Dorijan Najdovski**, *ClearBlue Markets*
- Canada's Net Zero Future and the Role of RNG, **Jason Dion**, *Canadian Institute for Climate Choices*

#### 1:30 pm – 3:00 pm: It's a Long Way to the Top – Raising the Profile for Biogas/RNG in Sustainability Circles

Discover how biogas and RNG can be a low-carbon option for corporations looking to shrink their carbon footprints to meet their sustainability goals.

- **Patrick Huynh**, *Maple Leaf Foods*
- Biogas – Lighting the Way to Sustainability, **John Macquarrie**, *Cavendish Farms*
- The Importance of RNG (renewable natural gas) For The Net Zero Journey, **Sonya Pump**, *Ferrero Canada*
- Achieving Sustainability Goals at General Motors with Biogas, **Doug Yates**, *General Motors Canada*

#### 3:00 pm – 3:30 pm: Networking Break

#### 3:30 pm – 4:00 pm: Making it Happen – Exhibitor Showcase

Join *Value of Biogas* exhibitors to learn more about leading biogas/RNG technology and product solutions.

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### 4:00 pm – 5:00 pm: Doing it Right – Project Case Studies

Showcasing biogas and RNG projects from around the world, three presenters share their real-world compelling project success stories.

- Supporting the Circular Economy: Biogas Produced from SSO Waste, **Laurent Amram**, *Xebec Adsorption Inc.*
- Virtual Pipeline: 12 Months in on Build and Operation of a Multi-Site RNG project, **John Hawkes**, *Bright Biomethane*
- Global Opportunities for Biogas: "Ghana's Biogas Ecosystem" Case Study, **Colin Rankin**, *Malaby Biogas AD Services*

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### Day 2 – Wednesday April 28

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#### 12:00 pm – 12:30 pm: Around the World – Global Potential of Biogas

World Biogas Association members have committed to the biogas industry delivering a potential of 10% reduction in global GHG emission by 2030. Learn about the delivery plan to achieve this goal as published in the WBA's landmark report Biogas: Pathways to 2030.

- Biogas: Pathways to 2030, **Charlotte Morton**, *World Biogas Association*

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#### 12:30 pm – 12:40 pm: Canadian RNG Partnership Announcement

Enbridge partners with Walker Industries and Comcor Environmental to develop RNG projects across Canada, converting landfill waste into energy while reducing carbon emissions.

- **Cynthia Hansen**, *Executive Vice President & President, Gas Distribution & Storage, Enbridge*
- **Geordie Walker**, *President & CEO, Walker Industries*

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#### 12:40 pm – 1:00 pm: A Place to Stand, a Place to Grow – Policy at a Glance in Ontario

Discover how Ontario is moving in the right direction with a Voluntary RNG Program and encouraging policy discussions.

- **Minister Jeff Yurek**, *Ministry of the Environment, Conservation and Parks*
- **David Donovan**, *Sussex Strategy Group*

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#### 1:00 pm – 1:30 pm: Networking Break

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#### 1:30 pm – 3:00 pm: I Feel the Earth Move – Digestate Opportunities

Digestate takes centre stage in this session with presentations on how the end product can achieve further carbon emissions reductions and improve nutrient circulation on the farm.

- Economics Of Biogas/RNG - Char Pyrolysis System Carbon Intensity Score Benefit, **Andrew White**, *CHAR Technologies Ltd.*
- Solid Digestion Widens the Range Of Biogas Substrates – Case Study From Finland: A Farm-Scale Leaching Bed Digester, **Erika Winqvist**, *Natural Resources Institute Finland*
- The First Farmer's Co-op 100% Dedicated to RE Production in Québec, **Benoit Bourque**, *Coop Agri-Énergie Warwick*
- **Mike Muffels**, *GHD* and **Derek Sawyer**, *City of Toronto*

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#### 1:30 pm – 3:00 pm: You're the One That I Want – Leading Edge Feedstock Research

Rethinking feedstock can optimize biogas production. Researchers from around the globe share their findings to add value of organic materials and offer new possibilities for adding value to waste.

- Biomethane Recovery Potential from Anaerobic Digestion of Industrial Organic Wastes: Effect of Substrate Type and Food-to-Microorganism (F/M) Ratio, **Ahmed El Sayed**, *Ryerson University*

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- Enhancing Biogas Production From Abattoir And Winery Solid Wastes, **Vincent Okudoh**, *Cape Peninsula University of Technology*
  - Biomethane Recovery by Anaerobic Co-digestion of Thickened Waste Activated Sludge, Source Separated Organics, and Manure, **Anahita Rabii**, *Ryerson University*
  - Flexible conversion of agricultural feedstocks to produce short-chain carboxylic acids, **Saija Rasi**, *Natural Resources Institute Finland*
  - Techno-economic Assessment of renewable Natural Gas (RNG) Production from various Thermo-chemical and Biological Conversion Processes using Biomass Feedstocks, **Maryam Akbari**, *University of Alberta*
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3:00 pm – 3:30 pm: Networking Break

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### 3:30 pm – 4:00 pm: Making it Happen – Exhibitor Showcase

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### 4:00 pm – 5:00 pm: Come Together – Biogas/RNG Opportunities in Canada's Agriculture and Agri-Food Sector

Anaerobic digestion can help farms reduce emissions, create new revenue streams, and add value to on-farm organics. Learn about new resources relaying these environmental and business benefits as well as how to pool resources to develop economically viable projects

- Agricultural RNG Resource Clustering Tool, **Sarah Stadnyk**, *Canadian Biogas Association*
- Farming Biogas Initiative, **Jennifer Green**, *Canadian Biogas Association*
- **Minister Ernie Hardeman**, *Ministry of Agriculture, Food and Rural Affairs*



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### Day 3 – Thursday, April 29

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#### 12:00 pm – 12:30 pm: Celebration – Canadian Biogas Industry Awards

Tune in to the 2021 Canadian Biogas Industry Awards Ceremony to celebrate the winners and hear about their journey in the industry, key projects and lessons learned, and outlook for the future of the sector.

- Project of the Year: **StormFisher Environmental**
- Biogas Champion: **Brian Van Opstal**

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#### 12:30 pm – 1:00 pm: Ain't No Mountain High Enough – Policy at a Glance in British Columbia

British Columbia boasts a large RNG production capacity including municipal, agricultural, and landfill gas projects. Find out how the province is further supporting RNG project development.

- RNG Renewable Gas in BC, **David Bennett**, *FortisBC*
- Getting top dollar - BC LCFS Opportunity for RNG, **Jamie Mackinnon**, *Bluesource*

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#### 1:00 pm – 1:30 pm: Networking Break

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#### 1:30 pm – 3:00 pm: My Hometown – Biogas/RNG Opportunities in Canada's Municipal Sector

Municipalities have significant potential to develop successful biogas and RNG projects. Learn how this can be achieved and examples from across the country.

- RNG Handbook for Canadian Municipalities, **Richard Laszlo**, *Laszlo Energy Services*
- Canadian Municipalities and the Promise of Biogas, **Katherine Trajan**, *Federation of Canadian Municipalities*
- Region of Durham's AD facility, **Peter Veiga**, *Regional Municipality of Durham*
- Stepping up to decarbonize Ontario's Transportation System, **Joey Cyples**, *Enbridge Gas Inc.*

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#### 1:30 pm – 3:00 pm: Start Me Up – Project Development and Technology Selection

A successful project starts with clear planning and deciding which technology is the best fit. Hear from three technology suppliers about the key considerations for biogas and RNG project development.

- Maximizing Renewable Energy On-Farm, **Samantha Benz**, *BIOFerm Energy Systems Services*
- Common Attributes of RNG Projects That Get To the Finish Line, **Kyle Snyder**, *DMT Clear Gas Solutions Services*
- Méthamoly: A circular economy project in Loire (France), **Yann Pierre**, *Prodeval Canada*
- The Importance of Technology Comparisons for Biogas to RNG Projects, **Phil Taschereau**, *Greenlane Biogas*

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#### 3:00 pm – 3:30 pm: Networking Break

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#### 3:30 pm – 4:00 pm: Making it Happen – Exhibitor Showcase

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### 4:00 pm – 5:00 pm: All Shook Up – Making Hydrogen from Biogas

Hydrogen has gained recognition as a renewable gas for deep decarbonization. Learn about the environmental and economic benefits of producing renewable hydrogen from biogas.

- Waste-to-Hydrogen: The Role of Biogas in Renewable Hydrogen Production, **Steve Jones**, *BayoTech Inc.*
- Renewable Natural Gas and Hydrogen: Star Trek versus Star Wars, but Which is Which?, **Tej Gidda**, *GHD*
- Update on Hydrogen and Fuel Cell Activity in Canada – How does it Link to Biogas?, **Mark Kirby**, *Canadian Hydrogen Fuel Cell Association*