

## 2017 Value of Biogas West Friday January 27th, 2017 (Abbotsford, BC)

### **B.C.'s Renewable Natural Gas Market (9:00 – 9:30am)**

In 2010 FortisBC accepted the first molecules of RNG onto its distribution system from a local farm in the Fraser Valley. Several years later FortisBC's RNG Program has grown. Hear about this growth, how to maximize the RNG success, and guidance on the future of RNG in B.C.

- Developing RNG Supply in BC: Lessons Learned from the Utility Perspective. Presented by Colton Aston (Energy Solutions Manager) and Mason Lau (RNG Plant Engineer) from FortisBC.

### **Importance of Feedstock Pre-treatment (9:30 – 10:40am)**

Effective feedstock pre-treatment is vital to both the health and biogas production of anaerobic digesters. Learn more about feedstock pre-treatment technologies and how these technologies can directly increase biogas yield.

- Optimization of Feedstock Preparation and Feeding Systems - How to Increase a Biogas Plant's Efficiency and Maximize Biogas Yield. Presented by Felix Layher (Green Technology Product Manager) from Vogelsang USA;
- The Next Generation of Food Waste Organic Separation – Separation 2.0. Presented by Nick Bonkoski (Domain Leader - Anaerobic Digestion Systems) from GE Power; and
- Examining the Trend towards Centralized Organics Pre-processing and Remote Digestion. Presented by Rolfe Philip (VP Business Development) from Yield Biogas Solutions.

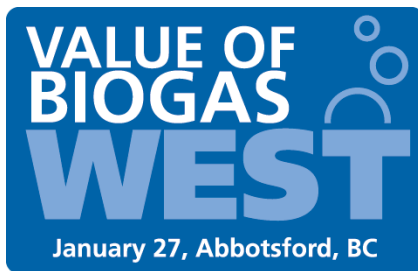
### **10:40 – 11:10am: Coffee Break**

### **Biogas and Wastewater Treatment/Biosolids (11:10 – Noon)**

Biogas production at wastewater treatment plants is becoming more and more economically viable. Learn more about turning this previously undesirable feedstock into a valuable resource.

- Biosolids Management: Getting the Most Value Out of Biosolids. Presented by Robert Lems (General Manager) from DMT; and
- Enabling Wastewater Treatment Energy Neutrality with Existing Plant Assets. Presented by Nick Bonkoski (Domain Leader - Anaerobic Digestion Systems) from GE Power.

### **Noon- 1pm: Lunch**



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### Biogas and Agriculture (1:00 – 2:10pm)

Agriculture has great biogas potential. Learn about different biogas projects and technologies reacted to agricultural operations in B.C.

- The Feasibility of Landfill Gas Carbon Dioxide Capture and Use. Presented by Mathew Dickson (Managing Director) from Hallbar Consulting Inc.;
- Bedding and Nutrient Recovery. Presented by Jim Peters (Manure & Irrigation Manager) from Pacific Dairy Centre; and
- Digester Enhancement System for More Biogas. Presented by Chris Bush (Operations Manager) from Trident Processes LLC.

### Municipal Dry Batch Biogas Production (2:10 – 3:00pm)

Dry batch digestion is fast emerging as the technology of choice for Canadian municipalities wanting to produce biogas from the organic fraction of municipal solid waste. Learn more about this technology and where it is being utilized.

- Food Waste Diversion to Anaerobic Digestion in the Urban Environment: Edmonton, Alberta Case Study. Presented by Michael Brown (Senior Business Development Manager) from BIOFerm Energy Systems/Viessmann Group; and
- Economics of Dry Batch Digestion for Small Municipalities – An Alberta Case Study. Presented by Alex Hayes (Research Engineer) from Alberta Innovates.

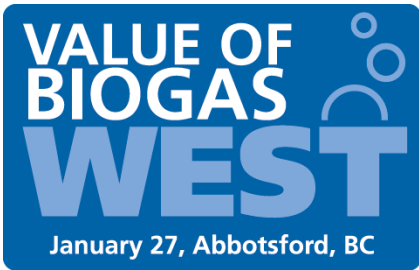
### 3:00 – 3:30: Coffee Break

### Upgrading Biogas to RNG (3:30 – 4:20pm)

Upgrading biogas to Renewable Natural Gas (RNG) results in almost all energy being converted for energy purposes. Learn about newly developed biogas to RNG upgrading technologies.

- Small-Scale Upgrading: New Innovative Business Models and Potential for Farm-Scale Implementation. Presented by Mikaela Blom (Project Leader) from the Research Institutes of Sweden; and
- An Integrated Biogas Upgrading Technology with Near Zero Energy-Penalty + No Waste Production. Presented by Dr Geert Versteeg from Procede Biogas.

Visit: [http://biogasassociation.ca/index.php/value\\_of\\_biogas\\_conference/west](http://biogasassociation.ca/index.php/value_of_biogas_conference/west)



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