

4th Annual
Canadian Farm & Food
Biogas
Conference
and Exhibition

Monday, March 5, 2012		
	Growing the Margins/Canadian Farm and Food Biogas Conferences Plenary #1	
8:30am 10:00am	Chair: John McMullen	
	<ul style="list-style-type: none"> • Hon. Ted McMeekin, Ontario Minister of Agriculture, Food and Rural Affairs (invited) • John Bootle, Renewable Energy Resources, Vermont, USA – Crop Biomass Value Chain; Making it Work • Gregory Schwartz, Kent BioEnergy Corporation, Cal, USA – Where is Algae Today and Where is it Going? • Colin Andersen, CEO, Ontario Power Authority (invited) 	
10:00am 10:30am	Refreshments – Exhibition and Student Posters Open	
10:30am 12:00 pm	B1B Joint Biogas Session (Salon B) Biogas Update – Ontario and the World	
Concurrent Session #1	<ol style="list-style-type: none"> 1. Jennifer Green, Executive Director, APAO Ottawa, ON - Ontario Biogas Round-Up 2. Norma MacDonald, Vice-Chair, American Biogas Council Ohio, USA - Biomethane Future 3. Andrew McVie, Business Development Manager, FortisBC Energy Inc. – Fuelling Supply and demand for Biomethane in Canada 	
12:00pm 1:30pm	Lunch	
	Biogas A	Biogas B
1:30pm 3:00pm	B2A Biogas Technical Considerations <ol style="list-style-type: none"> 1. Key Generator Parameters Affecting Grid Connection – for Buyers and Sellers, Aidan Foss, ANF Energy Solutions Inc., Ottawa, ON 2. Using Biogas Cogen Heat: Case Studies and Opportunities, Jake DeBruyn, Ontario Ministry of Agriculture, Food and Rural Affairs, Guelph, ON 3. Biogas Systems Emissions Study, Richard St. Jean (TBC) 	B2B What Will Make Biogas Take Off in Ontario? <ol style="list-style-type: none"> 1. The Political FIT for Biogas, Jennifer Green, Agrienergy Producers` Association of Ontario, Ottawa, ON 2. Biogas - Will it ever take off in Ontario? What has to change? How do we move forward? Jan Buijk, European Power Systems Ltd., Mississauga, ON 3. Renewable Energy Approval Applications for Small Scale Biogas Projects, Benjamin Strehler, CHFour Biogas Inc., Ottawa, ON
Concurrent Session #2		

3:00 – 3:30pm	Refreshments – Exhibition and Student Posters	
	Biogas A	Biogas B
3:30pm 5:00pm Concurrent Session #3	B3A <i>FIT and Grid Connection</i> 1. Connection in a Grid-Constrained Rural Area, Alan Fallis, HydroOne, Toronto, ON 2. Grid Connection From the User's Side of the Fence Aiden Foss, ANF Energy Solutions Inc., Ottawa, ON 3. Ontario Power Authority, New FIT Program Cost Formula (TBC)	B3B <i>In Pursuit of Biogas System Solutions</i> 1. Bench Scale Optimization of Solid State Anaerobic Digestion Operating Parameters for Cattle Feedlot Manure, Miguel Gaudet, University of Saskatchewan / PAMI, Saskatoon, SK 2. Development of an Innovative System for Solid Anaerobic Digestion Dedicated to Farms, Thierry Ribeiro, Institut Polytechnique Lasalle Beauvais, Beauvais, France
5:00pm 6:30pm	Reception (cash bar) Student Poster Competition	
6:30pm 8:30pm	Banquet Guest Speaker: Clare Riepma, Biogas Adventures in Africa	

Tuesday, March 6, 2012

<u>Tuesday, March 6, 2012</u>		
8:30am 10:00am	Growing the Margins/Canadian Farm and Food Biogas Conferences Plenary #2 Chair: John McMullen <ul style="list-style-type: none"> • Hon. Chris Bentley, Ontario Minister of Energy (invited) • Don Harfield, Alberta Innovates Technology Futures, Alta – Biomass Lessons Learned in Other Sectors & Vision to Move Ag Biomass Forward • Norma McDonald, Vice Chair, American Biogas Council, Ohio, USA – Farm-based Renewable Natural Gas Production: Considerations for Implementation 	
10:00am – 10:30am	Refreshments – Exhibition and Posters	
	Biogas A	Biogas B
10:30 am – 12:00 pm Concurrent Session #4	B4A Innovative Approaches to Biogas 1. Improvement of Matter Solubilisation and Kinetic of Methane Production of Straw by High Voltage Electrical Discharge Pretreatment, Thierry Ribeiro, Institut Polytechnique Lasalle Beauvais, Beauvais, France 2. Profiling the Microbial Consortium of Anaerobic Digesters Processing Agricultural Waste, Jennifer Town, Agriculture and Agri-Food Canada, Saskatoon, SK 3. Anaerobic Digestion and Gasification-based Biorefinery Towards either Renewable Natural Gas, or Drop-in Fuels (alcohols) – A Promising and Readily Feasible Concept, Serge Guiot, Biotechnology Research Institute, National Research Council, Montreal, QC	B4B Biogas End-Use Economics 1. Technical & Economic Challenges and Opportunities of Municipal Biogas Plants, Eric Camirand, Electrigaz Technologies inc., Trois-Rivieres, QC 2. The Economics of Anearobic Digesters for Ontario Farmers, Robert Anderson, University of Guelph, Guelph, ON 3. RNG End Use, Alicia Milner, Canadian Natural Gas Vehicle Alliance, Ottawa, ON
12:00pm - 1:00pm	Lunch	
	Biogas A	Biogas B
1:00pm – 2:30pm Concurrent Session #5	B5A Operating Your Biogas System 1. Optimizing Your Anaerobic Digester, Vicki Elliott, PlanET Biogas Solutions, St. Catharines, ON 2. Retrofit Options for Contaminated Feedstock on Existing Biogas Plants, Tom Ferencevic, Yield Energy Inc., Toronto, ON 3. Lessons Learned From Biogas Start-Ups in Ontario Anna Crolla, University of Guelph, Campus d’Alfred, Alfred, ON (TBC)	B5B RNG and Biomethane 1. Biomethane Implications for Ontario Don Hilborn, Ontario Ministry of Agriculture, Food and Rural Affairs, Woodstock, ON 2. City of Hamilton WWTP Renewable Natural Gas – Project Overview and Lessons Learned by Union Gas Ltd, Drew Everett, Union Gas Limited, Chatham, ON 3. Upgrading Biogas to Renewable Natural Gas – Ontario and BC Case Studies, Vijay Reddy, Flotech - Greenlane Biogas, Burnaby, BC

2:30pm - 3:00pm	Refreshments – Exhibition and Posters	
	Biogas A	Biogas B
3:00 pm – 4:30 pm Concurrent Session #6	B6A <i>Future Management of Biogas Inputs</i> 1. Anaerobic Digestion of Chicken Manure, Claire Allen, CHFour Biogas Inc., Ottawa, ON 2. Ammonia Removal From Digesters using AmRHEX, Ken Haggerty, 3XR Inc., Toronto, ON 3. Experience Handling Different Food Input Materials Randy VanBerkel (TBC)	B6B <i>Alternative Markets for Biogas</i> 1. Biomethane's Potential Role in Economic and Business Development (TBC) 2. RNG Supply and Production Issues (TBC) 3. Biogas and Biomethane Environmental Impacts (TBC)