Feed the Soil

23rd Annual National Compost Conference
September 11-13, 2013 • Toronto, ON

COMPOST

www.compost.org
1-877-571-GROW(4769)
Where Compost feeds the soil, it’s time for you to feed your mind at
The National Compost Conference
September 11 – 13, 2013
Toronto Ontario

Persistence pays off. Organics Recycling is finally on the increase across Canada. Much has been done; more is needed ... and to fully capture the potential, you must be aware of the many dynamics, influences and players who have impact on your efforts and the development of organics recycling in Canada. And that’s what our National Compost Conference is all about.

While there is uniqueness in every program and regional opportunity, there are common themes and issues in our industry: feedstocks, collection, processing, operational efficiencies, markets and regulations.

Plan to join the best-of-the-best knowledge and experience base in organics recycling and compost usage this year in Toronto. Be immersed with learning, networks and opportunities to move your own success and organics recycling initiatives forward.

PROGRAM OVERVIEW

<table>
<thead>
<tr>
<th>TUESDAY SEPTEMBER 10th</th>
<th>THURSDAY SEPTEMBER 12th</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Conference Training &amp; Tours (extra fees apply)</td>
<td>Feed the Soil ... COMPOST! Sessions on Organics Recycling &amp; Compost including:</td>
</tr>
<tr>
<td>• Compost Facility Operator Course</td>
<td>• Regulations &amp; Standards</td>
</tr>
<tr>
<td>• Odour Management 101</td>
<td>• Program Initiatives</td>
</tr>
<tr>
<td><strong>Bonus Tours</strong></td>
<td>• Biosolids Composting</td>
</tr>
<tr>
<td>• Walker Environmental Group Compost Facility, Thorold</td>
<td>• Technology &amp; Processing</td>
</tr>
<tr>
<td>• City of Hamilton Central Composting Facility</td>
<td>• Safety</td>
</tr>
<tr>
<td>• City of Guelph Organics Waste Processing Facility</td>
<td>• Partnerships</td>
</tr>
<tr>
<td>• Harvest Power, London</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WEDNESDAY SEPTEMBER 11th CONFERENCE TOUR DAY!</th>
<th>FRIDAY SEPTEMBER 13th</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Region of Peel Integrated Waste Management Facility</td>
<td>Feed the Soil ... COMPOST! Sessions continue including:</td>
</tr>
<tr>
<td>• City of Toronto’s Dufferin Organics Processing Facility</td>
<td>• Anaerobic Digestion</td>
</tr>
<tr>
<td>• Exhibition Place Organics Collection Program &amp; Sustainability Initiatives</td>
<td>• Research Matters</td>
</tr>
<tr>
<td>• Miller Compost, Pickering</td>
<td>• Compostables</td>
</tr>
<tr>
<td></td>
<td>• Compost Markets</td>
</tr>
<tr>
<td></td>
<td>• Community Composting</td>
</tr>
<tr>
<td></td>
<td>• IC&amp;I and Residential Initiatives</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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EXHIBITS • NETWORKING • PRESENTATIONS • TOURS
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Pre-Conference Training and Tours – Extra Fees Apply
TUESDAY SEPTEMBER 10th

Training Course Options
9:00 AM-5:00 PM; location details will be provided directly to course registrants.

I. COMPOST FACILITY OPERATOR COURSE
This one-day version of our popular operator training course is designed to provide participants with a practical understanding of the composting process and the means to address operational issues involved in the running of a compost facility. For those qualified for operator certification, the option for writing the certification exam is available.

II. ODOR MANAGEMENT 101
Principles of odor science and odor control technology as well as measurement and observation techniques will be presented during this day-long session, spearheaded by Odotech, specialists in the measurement and monitoring of odours.

Bonus Tours
Buses will leave the hotel at 7:30 AM, please meet in the hotel lobby at 7:15 AM.
Facilities planned for the tour include:

Walker Environmental Group
The Walker Environmental Group composting site is a 12-acre facility, handling 65,000 tonnes of municipally-generated organics annually; 35,000 tonnes being source-separated organics and 30,000 tonnes of leaf and yard waste. Received in covered building and pre-processed, the SSO materials being composted are then placed outdoors in a covered system for an 8-week cycle.

Central Composting Facility, Hamilton
Hamilton’s Central Composting Facility is a three-phase in-vessel aerobic composting operation that processes 60,000 tonnes of source-separated organic waste per year (90,000 tonnes per year peak capacity). The organics are sourced from households from the City of Hamilton, Regional Municipality of Halton and the County of Simcoe.

Guelph Organics Waste Processing Facility
The Guelph Organics Waste Processing Facility (OWPF) has been designed to annually process 60,000 tonnes of organic waste (feedstock and amendment), utilizing a fully enclosed in-vessel aerated tunnel composting technology. The tunnel-based system is a two-phase approach.

Harvest Power London
The London facility processes approximately 66,000 tonnes of mixed organic materials annually. A combination of market/kitchen wastes and food processing wastes, the feedstock is processed using anaerobic digestion technology which, when full operation is reached, will produce 2.85 MW of electricity.

For all tours, please remember your safety boots, hard hats and safety vests.
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Our main conference begins with a TOUR DAY on Wednesday September 11th
Buses will leave the hotel at 8:30 AM. Please meet in the lobby no later than 8:15 AM.

Facilities planned for the tour include:

Region of Peel Integrated Waste Management Facility
The Region of Peel’s Integrated Waste Management Facility (IWMF) is the largest of its kind in Canada, housing a single stream Material Recovery Facility (MRF), a waste transfer station and a composting plant that processes 60,000 tonnes of organic material annually.

Dufferin Organics Processing Facility (Anaerobic Digestion)
Toronto’s Dufferin Organics Processing Facility utilizes anaerobic digestion to process 40,000 tonnes of organics collected from households participating in the Green Bin Program. All processing occurs in an enclosed building or within a sealed digester (located adjacent to the processing building).

Exhibition Place
Exhibition Place is Canada’s largest entertainment venue, attracting millions of visitors each year. In the past decade, Exhibition Place has become a demonstration site for renewable energy technologies – wind, solar, geothermal and trigeneration – as well as numerous resource, energy-efficiency and water conservation initiatives.
Included among the many green initiatives implemented at Exhibition Place are: wind energy, trigeneration, geothermal, solar, lighting retrofits, green roofs, a renovation of the Allstream Centre to LEED Silver status and a living wall. Exhibition Place separates waste into several different streams: glass, paper, wood, plastic and organics.

Miller Compost (Pickering)
Miller Waste owns and operates the Pickering Compost Facility using an in-vessel composting process consisting of a wide-bed, agitated aerobic composting system. Feedstock is made up of source-separated organics and yard waste, collected separately. The capacity is approximately 20,000 Tonnes.

For all tours, please remember your safety boots, hard hats and safety vests.

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1-877-571-GROW(4769)
THURSDAY SEPTEMBER 12th

Opening Plenary
8:30 AM to 10:00 AM

FEED THE SOIL … COMPOST!

City of Toronto’s Path to Source-Separated Organics Management and the Road Ahead
City of Toronto

A Green Way Forward for Ontario
Gord Miller and Glenn Munroe
Office of the Environmental Commissioner of Ontario

Environment Canada's Technical Document on Municipal Solid Waste Organics Processing
Alain David, Environment Canada

An Assessment of Aerobic Compost Quality:
Collection and Analyses of Existing Ontario Data
Lambert Otten, Technical Advisor
The Compost Council of Canada

10:30 AM to 12 NOON

REGULATIONS AND STANDARDS

Nova Scotia’s Organic Residuals Management Programs
Don MacQueen, Nova Scotia Environment

Moving Forward with Composting Across Manitoba
Jim Ferguson, Green Manitoba

Organics Recycling, Composting and Anaerobic Digestion in Ontario
Stephen Jones and Stephanie Wheeler, Ontario Ministry of Environment

Championing Compost in Alberta
Natasha Page, Alberta Environment

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Concurrent Sessions
1:30 PM to 2:30 PM

I. TECHNOLOGY AND PROCESSING I

Municipal Solid Waste Organics Processing
- Science and Principles
- Aerobic and Anaerobic Processing Technologies
- Facility Siting and Equipment
- Collection Programs
- Odour Control

Scott Gamble, CH2M Hill

II. SAFETY AS A FIRST PRIORITY

Evaluating Risk at Composting and Anaerobic Digestion Facilities
- Basic Fundamentals
- Hazard and Operability Analysis (HAZOP)
- Accident Analysis
- Behaviour-Based Safety

Nellie J. Brown, Cornell University

Concurrent Sessions
3:00 PM to 4:30 PM

I. TECHNOLOGY AND PROCESSING II

Municipal Solid Waste Organics Processing
- Compost Markets and Quality Standards

Scott Gamble, CH2M Hill

Mechanical-Biological Treatment (MBT) Technology:
Implementation and Potential Improvements to MBT Output

Tej Gidda, Conestoga-Rovers & Associates

Pest Management Essentials

Dan Frankian, Hawkeye Pest & Bird Control

II. BUILDING PARTNERSHIPS

S.O.S. - Smart On Soil

Denis Flanagan, Landscape Ontario

Expanding Large-Scale Markets for Compost

Ron Alexander, Alexander Associates Inc.

Green Roofs on the Rise!

Jordan Richie, Green Roofs for Healthy Cities

The 23rd Annual General Meeting of
The Compost Council of Canada
Followed by our not-to-be-missed evening event.
FRIDAY SEPTEMBER 13th - Concurrent Sessions
9:00 AM to 10:30 AM

I. THE INS-AND-OUTS OF ANAEROBIC DIGESTION

Optimizing Anaerobic Digestion Systems
Tom Ferencevic, Yield Energy

On-Farm Anaerobic Digestion in Ontario: Progress and Challenges
Don Hilborn, Ontario Ministry of Agriculture and Food

Overview of Anaerobic Digestion Technology Development
John Haanstra, Maple Reinders

II. COMMUNITY COMPOSTING

Spreading the Word: Compost Education in the Community
Marika Smith, Greater Victoria Compost Education Centre

Community Engagement: Spreading the Word
Suzanne Elston, City of Oshawa

School Grown: Transforming School Grounds
Justin Nadeau, FoodShare

Down to Earth Composting: Urban Composting and Capacity Building
Mike Nevin, Mary Roufail and Toronto Compost Leaders, FoodShare

11:00 AM to 12:30 PM

I. RESEARCH ADVANCES

Optimizing the Efficacy of Vermicompost
Lord Abbey, Assiniboine Community College

Compost and Crop Protocols for Improving the Nutritional Value of Potatoes
Tounis Abolgasem, Newcastle University

II. COMPOSTABILITY: PRODUCTS AND PROCESS

Closing the Loop
Chris Bradlee, BASF Canada

Tools for Maximizing Diversion Rates
Rhodes Yepsen, Novamont North America

Making Compostables Process Friendly
Karyn Hogan, Municipal Waste Association - Organics Committee Chair
Susan Antler, Compost Council of Canada
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Concurrent Sessions  
1:30 PM to 3:00 PM

I. COMPOST PROGRAM SUCCESSES

Composting On-Site at an Urban Rooftop Greenhouse  
Catherine Church, LUFA Farms

On-Farm Dairy Manure Composting: Producing a Value-Added Product  
Alexis Fortin, Groupe Commercial Paul Larouche

City of Calgary’s Green Cart Pilot  
Lindsay Lofthouse, City of Calgary

Municipal Biosolids as an Ingredient for High-Grade Compost  
Conrad Allain, Greater Moncton Sewerage Commission

II. PARTNERS IN THE FIELD

Important Updates to the Fertilizers Act and Regulations  
Haley Fredrick, CFIA

Sustaining the Peat Industry into the Future  
Paul Short, Canadian Sphagnum Peat Moss Association

Working Together on Common Ground  
Canadian Fertilizer Products Forum

Closing Plenary  
3:00 PM to 4:00 PM

COMPOST DIGS INTO AGRICULTURE

Cities Feed Farm Soils: The Ontario Agricultural Research Study with Green Bin-Derived Compost  
Christine Brown, Ontario Ministry of Agriculture and Food

The National Compost Agricultural Research Trials  
Tom Forge, Agriculture & Agri-Food Canada

Meeting of the 2013/2014 National Board of Directors of The Compost Council of Canada  
Open to all members of The Compost Council of Canada