



## Partners in Project Green Resource Reutilization Team

Minutes – Monday, August 10<sup>th</sup>, 2009 @ 1:30 p.m.

**In attendance:** Chris Rickett (TRCA), Bernie McIntyre (TRCA), Karyn Hogan (Peel), Sarah Mills (Recycling Council of Ontario), Andy Campbell (Waste Diversion Ontario), Stephen Rach (Canadian Manufacturers and Exporters Association), Mike Birett (Emerald Group), Gary Everett (Emerald Group), Murray Haight (University of Waterloo), Ian Graham (Yield Energy), Tom Ferencivic (Yield Energy), Randy McGill (GTAA), Sean Yong (Waste Management), Mark Thompson (U-Pak), Douglas Dew (U-Pak), Phil Dick (OMAFRA), Sanjay Mishra (Peel), Ashish D'Souza (Peel), Gary Wilde (Peel), Aaron Stauch (University of Waterloo), Antione Belaieff (Clinton Climate Initiative), Andrea Mitrovich (Clinton Climate Initiative), Jorge Soares (Woodbine), John Alderdice (Toronto) Raffaela Malfara (George Weston Ltd.) and Henry Schroder (George Weston Ltd.)

**Regrets:** Doug Dittburner (Molson), Michael Pullen (Waste Management), Vincent Sferrazza (Toronto), Renee Dello (Toronto), Patrick Curran (Waste Management), Jill Smith (Waste Management) and Josie Zafra (GTAA).

1. Review of Resource Reutilization Feasibility Study
  - Mike Birett and Gary Everett of the Emerald Group reviewed the Phase 1 Report of the feasibility study, highlighting their findings.
  - Chris Rickett reviewed some the issues that will be further explored in the final report, including operation costs, policy frameworks, key industrial sectors and wastes, along with software possibilities.
  - Murray Haight asked that the Ontario Waste Materials Exchange be used as the base reference in the final report and that any improvements should build upon its platform.
  - Phil Dick asked why Kalunberg wasn't included in the final 10 waste exchanges for review. Gary Everett explained that they didn't see a good fit with the conditions of the Pearson Eco-Business Zone, but saw the National Industrial Symbiosis Program from the United Kingdom as something that was similar to the area.

### **ACTION ITEM:**

- ***The Emerald Group will work to incorporate the comments provided and finalize the report for September 2009. TRCA will circulate for review.***

2. Review of Yield Energy Bio-Gas Feasibility Study
  - Ian Graham and Tom Ferencivic of Yield Energy reviewed the findings of the bio-gas feasibility study for the Pearson Eco-Business Zone.
  - Andy Campbell highlighted the need to have confidence in the model presented and to incorporate contamination.

- Antione Belaieff and Andrea Mitrovich shared how CCI could assist in reviewing the pro-forma and identifying potential investors.
- Karyn Hogan informed the group that the recommendations around the municipalities providing financial incentives for private bio-gas facilities may be contrary to the Municipal Act.
- Phil Dick requested that the report also show the value of the lost methane destruction credits so that this information could be taken to the MOE to highlight its impact on the economic feasibility of bio-gas in urban areas.
- The group wondered whether a facility with more capacity could fit on the same amount of land in order to increase the ROI, but it was indicated that this was not feasible.

**ACTION ITEMS:**

- *Yield to contact the Region of Peel to confirm issues concerning municipal incentives and contravention of the Municipal Act.*
- *Yield to include in the report the value of the lost methane destruction credits in order to highlight their impact on the business model.*
- *Yield to provide to the Clinton Climate Initiative the pro forma and calculations for review. The Clinton Climate Initiative will look to assist in identifying investment opportunities to assist the project.*

3. Review of University of Waterloo Anaerobic Digestion Proposal

- Murray Haight explained that the proposed research study to be completed by graduate student Aaron Stauch would build on the work completed by Yield Energy and further quantify the amount of organic waste in the Pearson Eco-Business Zone, the environmental benefit of shifting to anaerobic digestion and compare that benefit to other modes of disposal.

**ACTION ITEMS:**

- *TRCA to work with Yield to gain funding through Mitacs and FCM for the study.*
- *Aaron Stauch to follow-up with Yield and TRCA to refine scope of study.*
- *Aaron Stauch to follow-up with Yield and TRCA to complete funding applications.*

4. Meeting Adjourned – 3:15 p.m.