



BEAVER REGIONAL WASTE MANAGEMENT SERVICES COMMISSION

Innovative Solutions
for a Changing World

BEAVER MUNICIPAL SOLUTIONS: DOWN THE TRAIL TOWARDS WASTE REDUCTION

Opportunities For Landfills In A World of Recycling –
Or, How Landfills Are Growing Up!

Recycling Council of Alberta Annual Conference –
October 2 – 4, 2013 - Calgary

WHO ARE WE?

- Regional Services Commission – Part 15.1
MGA, Regulation 75/92
 - Holden
 - Ryley
 - Beaver County
 - Tofield
 - Viking



- Mission
 - Environmentally safe disposal of waste
 - Promote advanced waste technologies for waste reclamation
 - Economic initiatives to benefit stakeholders



- Vision
 - Ensure safe disposal of waste
 - Enhance the quality of life for the people of Beaver County.
 - Committed to
 - Environmentally sound operating practices
 - Regional benefit to shareholder communities
 - Opportunities for local employment

- Services
 - Collection – bins and roll-outs
 - Transfer stations
 - Special wastes – paint, electronics, tires, recyclables
 - Disposal: Municipal contracts – Edmonton, Vermillion River, Parkland, Beaver River (Bonnyville, Cold Lake)
 - Disposal: Industrial contracts – class 2 solids, oilfield slurries and soils, asbestos, special C & D, special food wastes



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AERIAL 2011



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STAGE 5 CELL – AUGUST 2013



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STAGE 5 CELL – SEPTEMBER 2013

- **Statistics**

- **2010**

- 95,000 Metric Tonnes (MT) municipal solid waste (MSW)
 - 66,300 MT industrial wastes (IW)

- **2011**

- 107,000 MT MSW
 - 370,000 MT IW

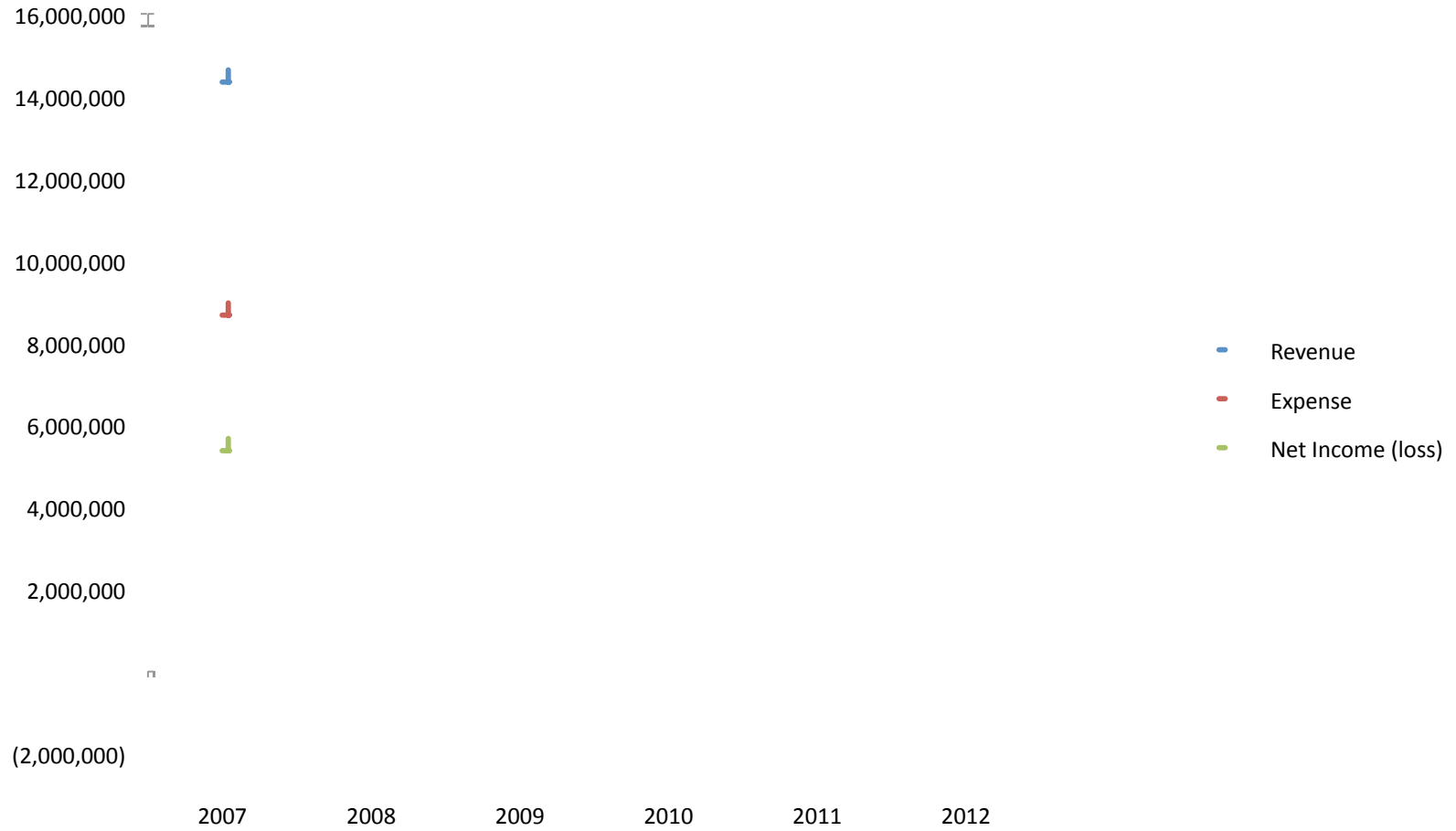
- **2012**

- 202,000 MT MSW
 - 390,000 MT IW



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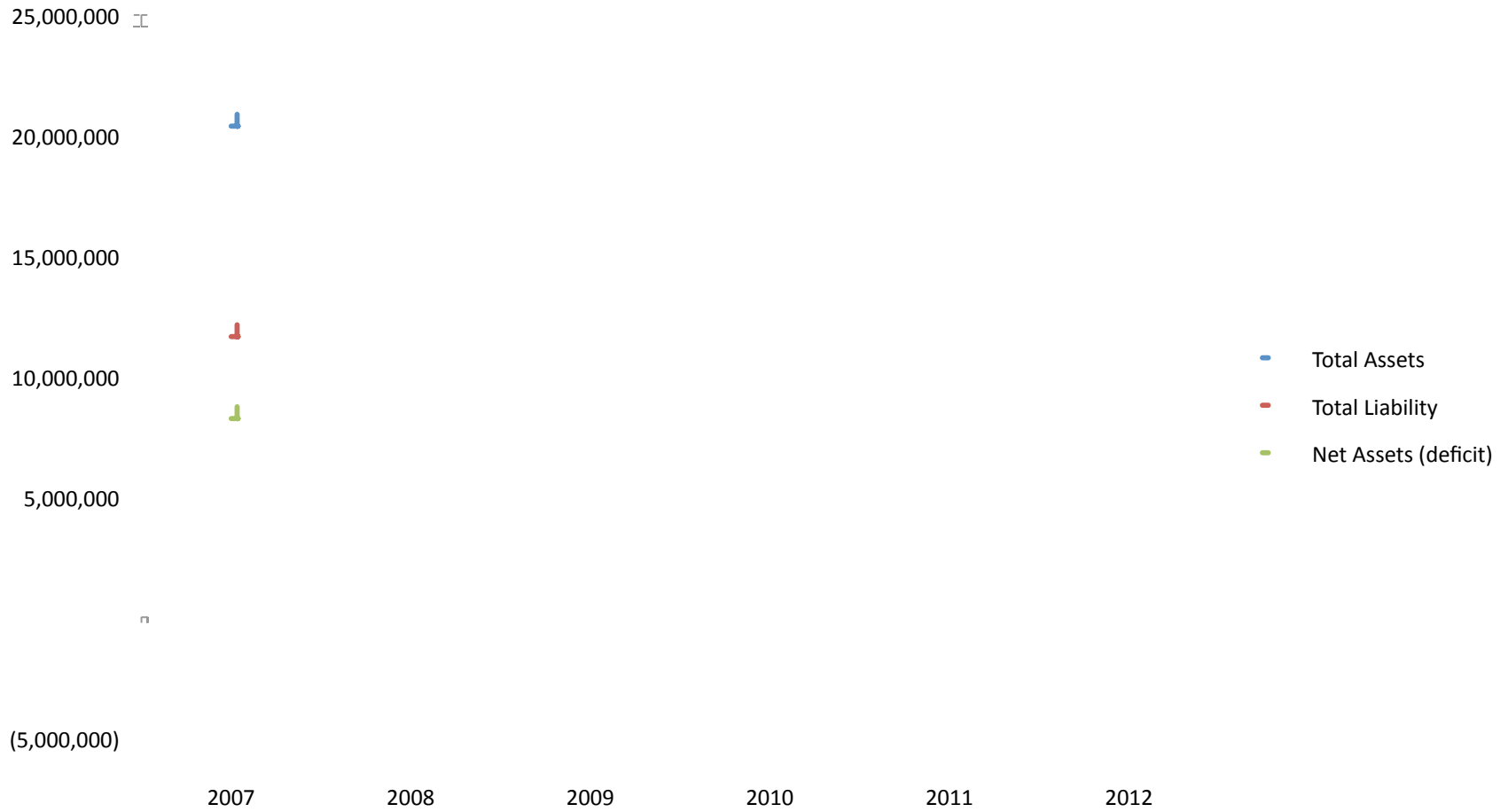
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- MSW predicted to decrease
 - Waste-to-energy – CoE – Enerkem (2014 – 2016)
 - Transportation costs increasing
 - Municipal focus on recycling and composting
 - Oilfield waste higher focus – soil and water
 - Wastes need disposal where reduction/recycling difficult – landfills provide containment
 - But difficult wastes can be brought to higher-end use – eg. Wastewater derived biosolids (dewatered)



- Lines of Business
 - MSW (transport/disposal)
 - Industrial waste disposal
 - NEW: Bio-energy (bio-cells)/biosolids beneficial re-use (land application)
 - NEW: Recycling/soil remediation/frac fluid recycling
 - NEW: Mechanical services
 - New technologies



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??QUESTIONS??

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