



“Energy-From-Waste in Canada: An Overview of Policy Options and Political Challenges”

***Presentation to the
Waste-to-Energy Research and Technology Council
(WTERT)***

New York, New York

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Agenda



1. Canadian Waste Market
2. Government Initiatives
3. Coalition Activity
4. National Overview
5. Progressive Public Attitudes
6. Lessons Learned
7. Two Years From Today



Canadian Waste Market

Energy Recovery in Canada



- Waste generation continues to rise and recycling is not keeping up
- Municipalities across the country recognize new solutions are required
- State-of-the-art equipment – tested and proven – presents a viable option to traditional methods
- EfW allows communities to manage waste locally, reduce disposal costs, generate revenue by putting power to the grid, reduce GHG emissions, and enhance economic development initiatives and job creation

CANADIAN ENERGY-FROM-WASTE COALITION Canadian MSW Trends

Year	Total Disposal (kg/capita)	Annual Change	Total Diversion (kg/capita)	Annual Change	Total Generation (kg/capita)	Annual Change	Diversion Rate
1996	697		176		873		20%
1998	688	-1.29%	222	26.14%	926	6.07%	24%
2000	753	9.45%	199	-10.36%	952	2.80%	21%
2002	769	2.12%	212	6.53%	980	2.94%	22%
2004	791	2.86%	223	5.19%	1,037	5.81%	22%
2006	835	5.56%	237	6.28%	1,072	3.38%	22%
Overall Change (1996-2006)		19.80%		34.70%		22.80%	

Source: Statistics Canada, Waste Management Industry Survey, 2008

CANADIAN ENERGY-FROM-WASTE COALITION Existing EFW Plants

Canadian EFW Plants and Incinerators, 2000-2005

Type	2000	Waste Quantity (Mo/yr)	2005	Waste Quantity (Mo/yr)
Municipal	11	950,711	7	762,793
Medical	101	5,579	42	8,082
Hazardous	7	163,208	9	204,418
Sewage Sludge	7	171,474	6	172,525
Federal Entities	62	1,235	30	1,087
Remote			22	3,320
Total	188	1,292,207	116	1,152,225

Source: Review of Oils and Fuels from Incineration in Support of a Canada-wide Standard Review, A.J. Chender & Associates Ltd., 13 December 2006



Government Initiatives

Drivers & Priorities



- **Converging factors**
 - Capacity crisis - Border closing – Manage material at home – Zero waste way off – EFW technology works - Changing public attitudes
- **Upper-tier support for municipal priorities/autonomy**
 - Without interfering in municipal decision-making - Projects must stand on own merits - acquire independent municipal approval
- **Air emissions guidelines to exceed toughest standards**
 - Stringent but manageable - Allowing emerging projects to proceed with confidence...while retaining/building/elevating public trust
- **Preferred EFW Pricing**
 - Good precedent - Subject to project meeting environmental guidelines on emissions, diversion - Need for standard offer program - Must recognize EFW as renewable
- **Streamlined environmental assessment process**
 - Comprehensive analysis and review - Fewer public meeting - Encouraging alternative approaches



Coalition Building, Advocacy, and Education

Coalition Activities



Education and Promotion

- Raising association profile
- Maintaining website
- Speakers bureau
- Engaging key stakeholders, audiences
 - Outreach to public health officials
- Membership recruitment

Government Relations

- Ontario
 - Pursuing standard offer program
 - Advocating for clear emissions standards
 - Participating in technology peer review
- British Columbia
 - Working Group on Waste
 - Municipal relationship building

Media Engagement

- On-going national campaign
 - Editorial boards
 - Op-ed
 - Rebuttal letters and articles

Project Monitoring

- Advocacy and support
 - Where warranted, needed
 - Where allowed
- Opposition and arguments
 - Getting closer to the truth
 - Correcting the nonsense



National Overview

Across the Land



Under Development



- **Vancouver, British Columbia**
 - Existing facility - New plant Request for Expression of Interest issued
- **Edmonton, Alberta**
- New plant under construction to begin operation 2013
- **Southern Alberta**
- New plant Request for Expression of Interest issued
- **Dufferin County, Ontario**
- Seeking power price and investors
- **Peel Region, Ontario**
 - Existing facility - New plant Request for Expression of Interest issued
- **Durham-York Energy Centre, Ontario**
- Under construction

Durham-York Energy Centre



Durham-York Energy Centre



Durham-York Energy Centre



The News is the Trend!



- **Seven (7) installations in 2007**

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- **Seven (7) more facilities in the works in 2012**
 - Four (4) in Ontario
 - Two (2) in Alberta
 - One (1) in British Columbia
- **A 100% increase in just five (5) years**
- **News trends is success story for the CEFWC !**



Progressive Public Attitudes

Public Opinion



- Research shows:
 - 83% of Canadians support EFW solutions
 - Up from 67% only four (4) years ago
- Among those who support EFW facilities:
 - Almost 60% would support construction of a facility in their immediate community



Lessons Learned

Best Practices



- **Need a political champion**
- **Decision-makers playing to different audiences**
- **Must meet zero-wasters head-on**
- **Need to recognize different forms of communications**
 - New media – Social networking – Polling - Focus groups
- **Industry leading way and public well ahead of policy**
- **Senior levels of government “get it”**
- **Organized association critical for credibility**



Two Years From Today

Operational Priorities



- Advocating for progressive electricity pricing
 - Reflecting net positive impact re: climate change
- Advocating for standard offer program
- Advocating for designation as renewable base load power
 - Recognizing the solid waste management hierarchy
- ✓ Advocating for acceptable air emission standards
- Support projects coming on-line
- Educating key stakeholders, re: health and safety issues
- Serving as a primary and credible source for EFW information



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