

**YORK REGION DISTRICT SCHOOL BOARD
PLANT SERVICES ~ ENERGY AND ENVIRONMENTAL SERVICES
2008/2009 ANNUAL REVIEW**

Rationale:

To provide trustees and supervisory officers with a summary of the Plant Services ~ Energy and Environmental Service's major projects and achievements identified and implemented during the 2008/2009 school year.

Background:

In follow-up to the 2007/2008 project review to Board, and in support of general information sharing, this report outlines the activities and efforts of the Energy and Environmental Services Team during the 2008/2009 school year.

Timeline:

Not applicable.

Recommendation:

That the York Region District School Board receive the Plant Services – Energy and Environmental Services 2008-2009 Annual Review for information.

Communications Implementation Plan:

Plant Services will prepare a detailed annual report to share with the system and stakeholders to identify current Energy and Environmental Services initiatives, activities, and research, in addition to raising awareness of the rationale behind project identification and selection.

Appended Data:

Appendix A – Energy and Environmental Services presentation slides.

Respectfully submitted,

Dave Snelgrove
Superintendent of Plant Services


November 9, 2009

For further information, please contact Superintendent of Plant Services Dave Snelgrove or the Director of Education.

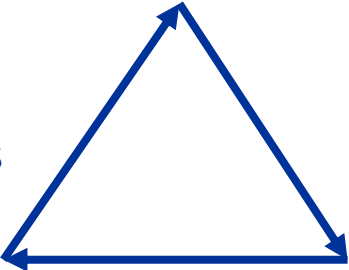


Energy and Environmental Services

Highlight of Activities – 2008/2009



Energy & Environment Philosophy of Support




**Efficient
Facilities**

**Efficient &
Effective
Operations**

Facility Occupants


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Energy Portfolio


- ▶ Carma System Metering
 - Electric and natural gas
- ▶ Monitor & upgrade building automation systems and controls
- ▶ LED parking lot lighting
- ▶ T8 lighting retrofits
- ▶ Reduction campaigns
 - "Lights-Out" & "Equipment-Off"





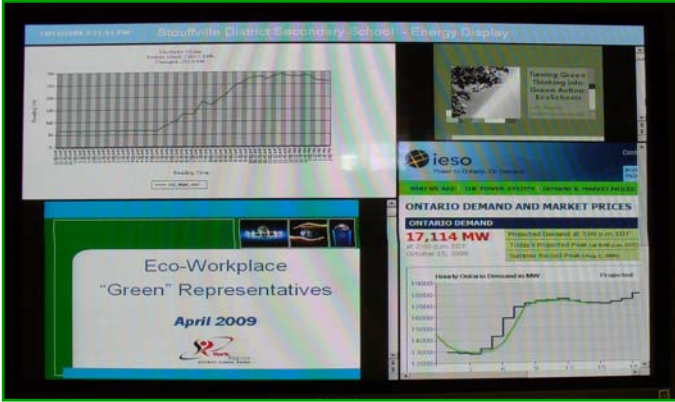
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Energy Portfolio

Energy Information and Meter Display



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Energy Portfolio

LED Parking Lights



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Environmental Portfolio

- ▶ School Grounds Enhancement Procedure (#NP460.0)
- ▶ Partnerships and Support
 - Student Engagement
 - Eco-Team and Eco-Schools
 - Eco-Workplaces
- ▶ Training
 - Eco-stewardship sessions for Caretakers, Managers, and School Administrators



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Environmental Portfolio

- ▶ System Resources
 - Recycling/garbage posters, theme posters, and on-line resources





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Waste Portfolio


- ▶ Ministry of Environment Waste Audits
 - School Waste Reduction Plans
 - Diversion rate database



Waste Bins		Waste Bins		Waste Bins		Waste Bins		Waste Bins	
Bin Location	Bin Type	Bin Size	Size Unit	Pickup Date	Pickup Day	Waste Type	Bin Location	Pickup Audit	Percent Full
Recycling / Receiving Area	Recycling	4	Yards	10/14/2009	Wed	Recycling	Recycling / Receiving Area		40
Wet / Receiving Area	Wet	4	Yards	10/9/2009	Fri	Recycling	Recycling / Receiving Area		50
				10/9/2009	Fri	Wet	Wet / Receiving Area		100
				10/7/2009	Wed	Recycling	Recycling / Receiving Area		50
				10/2/2009	Fri	Recycling	Recycling / Receiving Area		60
				10/9/2009	Fri	Wet	Wet / Receiving Area		100
				9/30/2009	Wed	Recycling	Recycling / Receiving Area		80
				9/25/2009	Fri	Recycling	Recycling / Receiving Area		80
				9/25/2009	Fri	Wet	Wet / Receiving Area		100
				9/23/2009	Wed	Recycling	Recycling / Receiving Area		50
				9/18/2009	Fri	Recycling	Recycling / Receiving Area		80
				9/18/2009	Fri	Wet	Wet / Receiving Area		100
				9/16/2009	Wed	Recycling	Recycling / Receiving Area		80
				9/14/2009	Fri	Recycling	Recycling / Receiving Area		90
				9/11/2009	Fri	Wet	Wet / Receiving Area		100

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Funded Projects

- ▶ Energy Efficient Schools Funding
 - Implementation phased in over a two year period
- ▶ Ministry funded programs (applied for)
 - Funding open to all Ontario school boards
 - Green Schools Pilot Initiative Program
 - Renewable Energy Funding Program

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Looking Forward

- ▶ Green Bin Organics Pilot Program
 - Approx. 24 schools involved in pilot
- ▶ E&E annual report
- ▶ Curriculum support
 - Electronic energy data in classrooms (Carma Metering System)
 - EcoSchools



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Looking Forward

Student Engagement:
Classroom-based information



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Looking Forward

Photovoltaic systems



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Thank you.

QUESTIONS?

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