



# Presentation to City Council

Update on Rye Sustainability Committee Activities

March 28, 2012

# Summary of RSC Initiatives



- Greenhouse Gas Emissions Audit
- RSC Celebrates Earth Day
- Potential Biodiesel Initiative

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# Greenhouse Gas Emissions Audit

- **Municipal Inputs:** Actual electricity, natural gas, fuel oil, gasoline and diesel usage.
- **Community Inputs:** Actual electricity and natural gas usage and solid waste figures. Estimated fuel oil, kerosene, wood, gasoline and diesel usage.
- Emissions results are as per assumptions made with guidance from ICLEI.

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# Summary of Municipal Inputs for 2009

## Electricity and Natural Gas

	Electricity Usage (Kwh)	Cost (\$)	Gas Usage (Therms)	Cost (\$)
<b>Buildings &amp; Facilities</b>	2,183,387	306,958	100,458	151,173
<b>Streetlights &amp; Traffic Signals</b>	1,199,799	225,115		
<b>Pump Stations</b>	113,148	23,711	771	2,194
<b>Vehicle Fleet</b>				
<b>TOTAL</b>	3,496,334	\$555,784	101,229	\$153,367

# Summary of Municipal Inputs for 2009

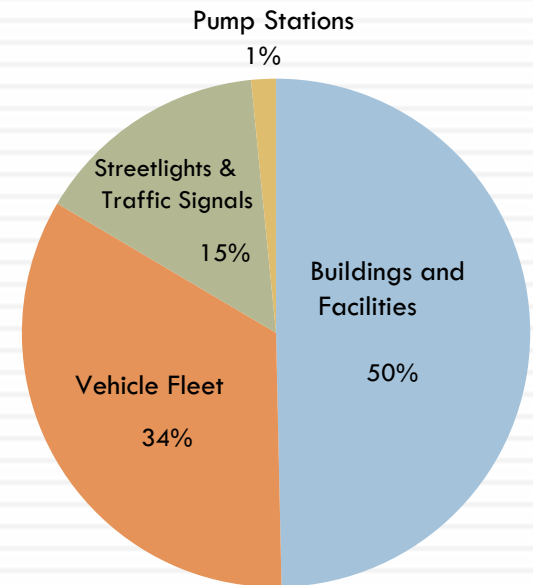
## Gasoline, Diesel and Fuel Oil

	<b>Gasoline Usage (Gallons)</b>	<b>Cost (\$)</b>	<b>Diesel Usage (Gallons)</b>	<b>Cost (\$)</b>	<b>Fuel Oil Usage (Gallons)</b>	<b>Cost (\$)</b>
<b>Buildings &amp; Facilities</b>					2,505	\$4,420
<b>Streetlights &amp;Traffic Signals</b>						
<b>Pump Stations</b>						
<b>Vehicle Fleet</b>	48,688	Not Provided	39,643	Not Provided		
<b>TOTAL</b>	48,688	Not Provided	39,643	Not Provided	2,505	\$4,420

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# 2009 Municipal Emissions Summary by Sector

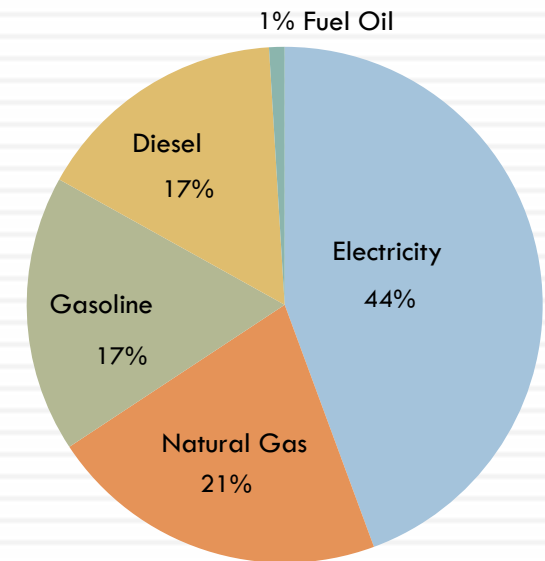
	CO2e		Energy	
	Tons	%	MMBTUs	%
Buildings and Facilities	1,389	50%	17,845	53%
Vehicle Fleet	926	34%	11,546	34%
Streetlights & Traffic Signals	424	15%	4,095	12%
Pump Stations	44	1%	463	1%
	<b>2,783</b>	<b>100%</b>	<b>33,949</b>	<b>100%</b>



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# 2009 Municipal Emissions Summary by Energy Source

	CO2e		Energy	
	Tons	%	MMBTUs	%
Electricity	1,235	44%	11,933	35%
Natural Gas	594	21%	10,123	30%
Gasoline	483	17%	6,048	18%
Diesel	444	17%	5,498	16%
Fuel Oil	27	1%	347	1%
	<b>2,783</b>	<b>100%</b>	<b>33,949</b>	<b>100%</b>

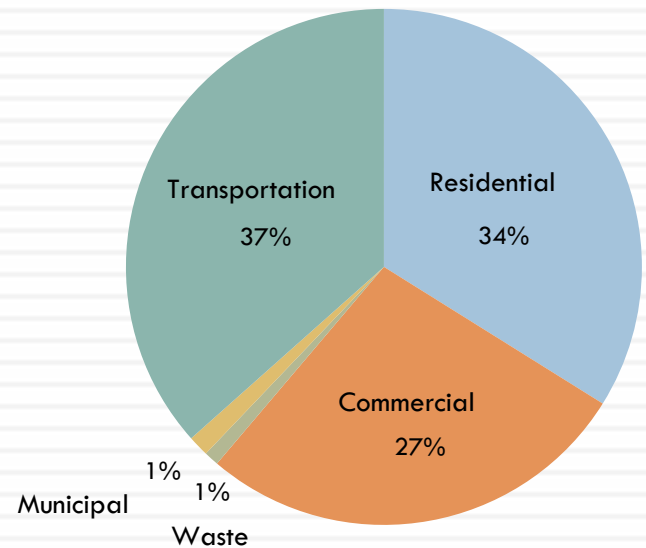


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# 2009 Total Rye Community Emissions by Sector



	CO2e		Energy	
	Tons	%	MMBTUs	%
Transportation	78,041	37%	975,861	35%
Residential	72,315	34%	1,026,361	37%
Commercial	58,295	27%	688,642	25%
Municipal	2,783	1%	33,949	1%
Waste	1,969	1%	56,255	2%
	213,403	100%	2,781,068	100%

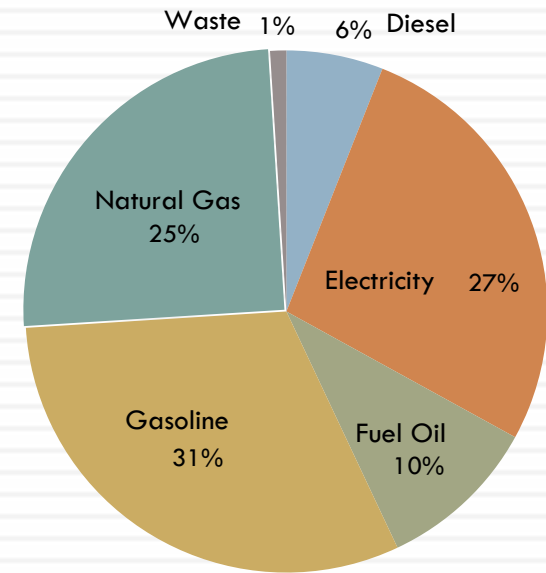


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# 2009 Total Rye Community Emissions by Energy Source

	CO2e		Energy	
	Tons	%	MMBTUs	%
Gasoline	65,826	31%	824,575	30%
Electricity	57,612	27%	556,708	20%
Natural Gas	53,763	25%	916,853	33%
Fuel Oil	20,727	10%	255,601	9%
Diesel	13,143	6%	162,832	6%
Waste	1,969	1%	56,255	2%
Kerosene	328	0%	4,091	0%
Wood	35	0%	4,153	0%
	<b>213,403</b>	<b>100%</b>	<b>2,781,068</b>	<b>100%</b>



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# Completion of GHG Audit



What does this mean?

- Draft GHG Inventory Summary complete, to be incorporated into Sustainability Plan
- Provides a benchmark for long term sustainability goals
- Provides a framework for the Sustainability Plan – set goals
- Establishes Rye as a credible leader in sustainability

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# RSC Celebrates Earth Day: No Idling Day on April 23rd

- Over ten schools participating across four communities
- City Council statement declaring April 23<sup>rd</sup> “Soundshore Communities’ No-Idling Day”
- Rye PD awareness initiatives
- Suggested: new no-idling sign at library parking lot
- In conjunction with walk to school week

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# RSC Celebrates Earth Day: Awareness for May 7<sup>th</sup> Law

- Awareness activities to date:
  - Posters
  - Information packets for merchants
  - 5x7 cards
  - Countertop cards
  - Underwriting for all material by Jay Heritage Center
- To Do:
  - Follow-up for residents' questions/concerns?
  - Media
  - E-blasts: Schools, Rye community e-letter

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# Potential Grease Recycling Initiative

- Follow-up from 10/5/11 Presentation
- Opportunity to obtain ultra low sulfur diesel for use in Rye's municipal diesel fleet
- Opportunity to promote a community-wide recycling campaign

# Next Steps



- Continued community awareness initiatives
- Continue to partner with neighboring communities on specific initiatives
- Completion of sustainability plan

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