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REPORT TITLE: **2009 ACTIONS TO IMPROVE AIR QUALITY**

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OBJECTIVE

This report is to inform Regional Council of the Region's participation in the 2009 Smog Summit. The Region's 2009 Actions to Improve Air Quality are outlined in Appendix I, and updates on the Region's 2009 Actions to Improve Air Quality are outlined in Appendix II.

REPORT HIGHLIGHTS

- All Councillors are invited to attend the 10th Smog Summit, which will be held on June 3, 2009 at Toronto City Hall.
- The morning of June 3rd will include the signing of the "Toronto and Region 2009 Inter-governmental Declaration on Clean Air". The declaration outlines actions to be taken to improve air quality and is signed by participating municipal and regional governments, the Province of Ontario and the Government of Canada.
- The Region of Peel has been a signatory to the Declaration since 2001.
- The afternoon of June 3rd will consist of a Best Practices Exchange focusing on the Re-Development of our Existing Communities.
- This year marks the final Smog Summit. In 2010, a new format will be developed to highlight air quality commitments, initiatives and progress in the GTA.

DISCUSSION

1. Background

Improving air quality is a priority for the Region of Peel. The importance that the Region places on air quality can be seen in the Region's Strategic Plan, which commits the Region to implement strategies to improve air quality. The Region's participation in the Greater Toronto Area Clean Air Council (GTA CAC) and Smog Summit represents an opportunity to collaborate with other municipalities in the GTA, as well as other orders of government, on actions to improve local air quality.

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The Greater Toronto Area Clean Air Council was established in 2001. The CAC promotes the reduction of air pollution and works to increase awareness of air quality issues in the Greater Toronto Area through the collective efforts of all levels of government. Membership in the GTA CAC includes the federal and provincial governments and participating GTA municipalities, including the Region of Peel, the Cities of Mississauga and Brampton and the Town of Caledon. The Clean Air Partnership (CAP), a non-profit registered charity, provides secretariat services to the GTA-CAC.

2. 2009 Smog Summit

The 10th Smog Summit will be held on June 3, 2009 at Toronto City Hall, Council Chambers. Storm Cunningham, author of *ReWealth – Stake Your Claim to the \$2 Trillion Development Trend that's Renewing the World*, has been confirmed as a keynote speaker.

Similar to last year, during the morning session of the Smog Summit municipal representatives will highlight their jurisdiction's clean air announcement in a video clip. Our segment, featuring Regional Chair Emil Kolb, announces the Energy Optimization of Peel's Water System. Following the videos municipal leaders will participate in a roundtable discussion. The roundtable provides an opportunity for politicians to dialogue on their respective air quality initiatives, and for the media to ask questions.

A key outcome of the Smog Summit is the "Toronto and Region Inter-Governmental Declaration on Clean Air". The Declaration is signed at the Summit by representatives of the participating municipal and regional governments, the Province of Ontario and the Government of Canada and outlines joint actions to be taken to improve air quality. The Region of Peel has been a signatory to the Inter-Governmental Declaration since 2001.

The Inter-Governmental Declaration forms the annual work plan for the GTA CAC. Declaration items focus on a number of different areas, including: collaborative work on air quality activities, development of resources and/or tools for member jurisdictions, support, identification and investigation of emerging issues, and monitoring and reporting. The 2009 Inter-Governmental Declaration may include commitments on issues related to:

- Local Food Procurement;
- Bio-fuel Options; and
- Green Procurement.

A Best Practices Exchange focusing on *Re-Development of our Existing Communities* will follow the 2009 Smog Summit in the afternoon on June 3rd. The Clean Air Partnership will bring together experts, governments, municipalities, and developers to highlight the issues which need to be considered in infrastructure and/or community planning and development.

Finally, a Smog Summit reception will take place that evening to bring together past Smog Summit political representatives, key note speakers, key participants, GTA CAC members and other key stakeholders. This year marks the final Smog Summit. In 2010, a new format will be developed to highlight air quality commitments, initiatives and progress in the GTA.

3. Region of Peel Air Quality Initiatives

The Region's 2009 actions to improve air quality are found in Appendix I. These actions form the work plan of the Regional Air Quality Working Group. Additional actions may be undertaken if federal or provincial grants related to infrastructure or energy efficiency become available.

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The media will be informed of the Region's 2009 Air Quality Initiatives through a news release which will be issued at the Smog Summit and posted on the GTA Clean Air Online website.

A progress report on Peel's 2008 initiatives is included in Appendix II. The Region's air quality activities result in emission reductions and cost savings. Results for all of the activities are not available, as calculators designed to quantify corporate activities are not as readily available as web-based calculators that quantify the emissions reductions resulting from actions that can be taken by individuals. Results for some of the Region's activities are listed below.

- By introducing the Organics Recycling Program in 2008, the Region decreased its waste tonnage by 1,067 truck loads of waste. A total of 37,407 tonnes of organic waste was diverted from final disposal. Less waste generated within the Region of Peel means less waste trucked to landfill sites and decreased vehicle emissions and production of landfill gases.
- In 2008, as part of the Residential Toilet Replacement Program, 17,624 single-family applications and 3,402 multi-family applications were processed, for a total of 21,026 rebates.
- Since 2007, the Waste Operations Section has been converting waste vegetable oil collected through the Household Hazardous Waste depots at the Community Recycling Centres into biodiesel. In 2008, approximately 1,500 litres of fuel was produced and was used in a fleet of ten vehicles. Associated greenhouse gas emission reductions of between 10 and 20 percent, and reductions in the output of carbon monoxide, carbon dioxide, sulphur dioxide and particulate matter have been identified.
- As part of the Restaurant Spray Valve Replacement Program, the Region of Peel provides restaurant owners with replacement pre-rinse spray valves free of charge. Spray valves account for approximately 30 percent of a restaurant's water use. By installing a water efficient spray valve, a restaurant can save up to 110,000 litres of water per year for just one hour of usage per day.

FINANCIAL IMPLICATIONS

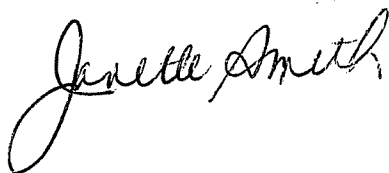
The GTA CAC is funded primarily by federal, provincial, and Toronto Atmospheric Fund grants. Financial contributions are also made by regional and municipal members based on their population size. The Region of Peel's contribution is \$10,250 and is included in the 2009 Regional Budget (cost centre HE15001). The air quality improvement initiatives outlined in Appendix I have been included in the 2009 Regional budget and the Peel-specific initiatives are already in departmental work plans. Completion of initiatives commenced in 2009 but not completed this year will be subject to 2010 budget review.

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CONCLUSION

Participation in the tenth Smog Summit and the Greater Toronto Area Clean Air Council represents an opportunity to work collaboratively with other orders of government and other municipalities within the GTA to improve air quality.



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92 May 13/09

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2009 Actions to Improve Air Quality

Commitment	Activity	Responsibility	Target/Outcome
Set Energy Performance Standards for Buildings and Capital Equipment	Collect and harmonize all Regional standards relating to energy for buildings and large energy- consuming equipment. Establish minimum performance standards.	Employee and Business Services (Real Property Asset Management - Energy Projects)	All standards to be collected and harmonized and a draft of minimum standards established by the end of 2009.
Solar Hot Water Building Retrofits	Install two solar thermal systems by the end of 2009.	Employee and Business Services (Real Property Asset Management - Energy Projects)	Displace a portion of the natural gas used for water heating to renewable energy at two Police facilities through the installation of solar thermal systems.
Reduce Building Energy Consumption Through Building Automation	Install new and upgraded building automation systems in Regional buildings.	Employee and Business Services (Real Property Asset Management - Energy Projects)	New or upgraded building automation systems to be installed in five Regional buildings by the end of 2009 to reduce energy consumption.
Building Energy Audits	Carry out comprehensive energy audits in all Regionally owned buildings that have not been audited to date.	Employee and Business Services (Real Property Asset Management - Energy Projects)	Start the audit work in 2009 with the objective of completion by the end of 2010.
Building Energy Retrofits	Complete energy retrofit work on fifty-four Regional buildings that were energy audited in 2007 to 2008.	Employee and Business Services (Real Property Asset Management - Energy Projects)	Start the retrofit work in 2009 with the objective of completion by the end of 2010 to reduce energy use.
Reduce Energy Consumption in the Pumping of Water	Implement a control system to optimize energy use in the pumping of water throughout the Region.	Employee and Business Services (Real Property Asset Management - Energy Projects)	Undertake commissioning of the new control system in 2009.
Industrial, Commercial and Institutional (ICI) Outdoor Water Audit Pilot Study	Five to ten facilities with irrigation systems will participate in a pilot study to identify the potential for outdoor water savings, appropriate technology and	Environment, Transportation and Planning Services (Operations Support)	Potential outdoor water savings will be identified at selected ICI facilities through technology changes to irrigation systems. The reduction in water

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	incentives.		consumption reduces associated energy requirements and greenhouse gas emissions related to water and wastewater treatment and distribution processes.
Residential Outdoor Water Efficiency Program	Potential outdoor water savings will be identified based on current residential market research.	Environment, Transportation and Planning Services (Operations Support)	This program will contribute to WaterSmart Peel's goal of a ten per cent reduction in residential water consumption by 2015. Benchmark monitoring of the Clarkson Community Pilot Area, will take place, followed by full scale program implementation and follow up monitoring and evaluation.
Demonstration Gardens and Front Yard Landscaping	Three new demonstration gardens will be installed in partnership with garden centres in the Region of Peel.	Environment, Transportation and Planning Services (Operations Support)	This initiative aims to reduce outdoor water use, and provide residents with examples of water efficient garden standards. The reduction in water consumption reduces associated energy requirements and GHG emissions related to water and wastewater treatment and distribution processes.
Residential Toilet Replacement Program	The Region of Peel offers rebates through the Residential Toilet Replacement Program. In 2009, staff will be promoting the program through on-site toilet replacement events. The rebate program provides: \$60 rebates to residents or property owners who replace inefficient toilets with new <i>Peel-Approved</i> water efficient 6L models. \$100 rebates are available for high efficiency toilets that flush with 4.8 litres or less.	Environment, Transportation and Planning Services (Operations Support)	Through the increased community awareness of this program, as well as three instant rebate events planned for the current year with big box retailers, the popularity of this program is expected to remain stable for 2009. Based on 2008 data and key driving factors, it is projected that the Region will process approximately 21,000 rebates in 2009.
Restaurant Spray Valve Replacement Program	In an effort to reduce water consumption and lower restaurant operating costs, the Region of Peel provides restaurant owners with	Environment, Transportation and Planning Services (Operations	Spray valves account for approximately 30% of a restaurant's water use. By installing a water efficient spray valve, a restaurant can save up to

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	<p>replacement pre-rinse spray valves free of charge.</p> <p>In 2007, this program was contracted out to Enbridge. The Region is now managing the program in house.</p>	Support)	<p>110,000 litres of water per year for just one hour of usage per day. This can translate into a savings of approximately \$1,700 on water and energy bills over five years.</p> <p>In 2009, a total of 550 valves are expected to be installed in food service facilities across Peel. This is expected to result in a water savings of 165,000 L/day.</p>
2009 Peel Children's Water Festival	<p>The theme for the 14th annual Peel Children's Water Festival (PCWF) is climate change and its impacts on the hydrological cycle.</p> <p>Five new activities based on this theme will be incorporated into the festival curriculum.</p> <p>The Festival will be held at Heart Lake Conservation Area in the City of Brampton from May 21st to May 27th, 2009 (excluding Sunday May 24th).</p>	<p>Environment, Transportation and Planning Services</p> <p>(Operations Support)</p>	<p>To educate children and the community on the connection between water, air quality and climate change.</p> <p>In 2008, the six day festival experienced record numbers with more than 10,986 students and adults visiting the event. The Family Fun Day attracted approximately 4,000 residents. Similar target numbers are expected for 2009.</p>
Hybrid Vehicle Purchases	<p>Nine hybrid SUVs will be added to the Fleet bringing the total number of hybrid vehicles in the Region to thirty-four.</p>	<p>Environment, Transportation and Planning Services</p> <p>(Operations Support)</p>	<p>This initiative reduces CO₂ emissions and in 2009, the Region will have reduced approximately 72,000 kg in CO₂ emissions.</p>
Alternative Ride Vehicles	<p>Four vehicles in Environment, Transportation and Planning Services will be dedicated to employees on business travel.</p>	<p>Environment, Transportation and Planning Services</p> <p>(Operations Support)</p>	<p>To reduce CO₂ emissions and promote carpooling during business travel.</p>
Multi-Residential Front-End Recycling	<p>Front-end recycling collection at multi-residential locations commenced in early February 2009.</p> <p>This program is being rolled out throughout the year with more locations being converted from cart-based collection to front-end recycling collection.</p>	<p>Environment, Transportation and Planning Services</p> <p>(Waste Management)</p>	<p>Fewer vehicles will be required to service greater volumes (tonnage) of recyclable material from these locations.</p> <p>The full benefit of the program will not be known until the program is completely rolled-out and the routes are properly built up. However, it is anticipated that this initiative will result in increased</p>

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	By the end of 2009, approximately 50 per cent of the existing multi-residential locations will be receiving front-end recycling collection.		productivity, fewer vehicles, less idling, and the associated reduction in vehicle emissions.
New Landfill Capacity	The Region of Peel began sending waste to a closer remote landfill site in mid-December 2008. All of Region's waste will be destined for this site in the foreseeable future.	Environment, Transportation and Planning Services (Waste Management)	The round-trip distance to the new landfill is approximately 185 km shorter than to the previous landfill used by the Region. This amounts to a 29 per cent reduction in the round-trip haulage per vehicle of waste, with the associated reduction in vehicle emissions.
Waste Wood Feasibility Study	A waste wood feasibility study is being initiated to determine the viability of using biomass for power production, district heating and/or district cooling.	Environment, Transportation and Planning Services (Waste Management and Corporate Energy)	This initiative is expected to divert waste wood from the Community Recycling Centre's and overs from the Regional composting facilities. Overs are larger pieces of yard waste that are not fine enough to be sold as compost. They are typically returned to the process for a second round of composting. The feasibility study will review current technologies suitable for a combined heat and power or heating and/or cooling system. The feasibility study will also investigate the environmental and financial implications of using biomass in Peel Region. The power produced could be used to operate the Peel Integrated Waste Management Facility (PIWMF) and/or be sold (including excess) back to the Standard Offer Program (SOP). It is estimated that 48 tonnes of biomass could rise by 20 tonnes over the next 5 years. The use of wood waste as an alternative fuel to be used for power, heating and/or cooling will reduce greenhouse gas emissions and divert a portion of wood from final

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			disposal.
Implement an Active Transportation Marketing Strategy	Develop a marketing campaign and materials to encourage people to use active modes of transportation for recreational, as well as commuting purposes.	Environment, Transportation and Planning Services (Transportation Planning)	Increase the use of active modes of transportation to reduce auto-dependency and improve air quality.
Implement an Employer Individual Marketing Pilot Project	Retain a consultant with expertise in employer individual marketing to develop a social marketing strategy to engage employees to shift to sustainable modes of transportation. This marketing program will be implemented at two private employer work sites in Region of Peel.	Environment, Transportation and Planning Services (Transportation Planning)	Increase the use of active modes of transportation to reduce auto-dependency and improve air quality.
Peel Active Transportation , Phase 2	Retain a consultant with expertise in active transportation to assist Regional staff in developing a long term active transportation plan for Peel Region	Environment, Transportation and Planning Services (Transportation Planning)	Consider active transportation policies, infrastructure improvements and programs/services to encourage the use of active modes of transportation.
Implement the "Stepping it Up" Program - a School-Based Transportation Demand Management (TDM) Program	Work with Metrolinx and other partners to pilot a school-based TDM program in five schools in Peel Region.	Environment, Transportation and Planning Services (Transportation Planning)	Encourage students and teachers to use sustainable and active modes of transportation to and from school (e.g. carpool, transit, walk and cycle) to improve air quality.
Develop a Web-Based Active Transportation Map	Work collaboratively with area municipalities to develop a website that includes an interactive map that will allow cyclists and pedestrians to plan their trips.	Environment, Transportation and Planning Services (Transportation Planning)	To increase active transportation rates by providing residents and visitors information and tools to plan their trip in Peel Region.
Implement an Employee Individual Marketing Pilot Project	Retain a consultant with expertise in employer individual marketing to develop a social marketing strategy to engage employees in shifting to sustainable modes of transportation. This	Environment, Transportation and Planning Services (Transportation Planning)	Three employers to participate in an employer Individual Marketing program to encourage employees to switch to sustainable modes in 2009

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	marketing program will be implemented at two private employer work sites in Region of Peel.		
School Bus Retrofit Pilot Project	<p>Environment Canada is conducting a small school bus retrofit pilot project in Peel Region and Halton Region.</p> <p>Eight to ten buses per Region will be retrofitted with Diesel Oxidation Catalysts (DOCs) and possibly Crankcase Ventilation units.</p> <p>In 2005, the Ontario Public Health Association estimated that DOCs installed on buses manufactured after 2004 would result in a reduction of particulate matter and hydrocarbon emissions by 25% and 85%, respectively.</p>	Health Services (Environmental Health)	Reduce childhood exposure to diesel engine emissions on-board school buses.

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Updates on 2008 Actions to Improve Air Quality

Commitment	Activity	Responsibility	Status
Implementation of the Energy Management Plan	Implement the initial stages of the Energy Management Plan which includes: development of municipal green building standards, comprehensive energy audit of all municipal facilities, and completing a full greenhouse gas inventory.	Employee and Business Services (Real Property Asset Management - Energy Management)	A contract was awarded to a specialized vendor in February 2009 to calculate the total Regional consumption of energy in all forms, as well as all Regional greenhouse gas emissions. This work is expected to be completed by summer 2009. The Project Plan for energy auditing of all Regionally owned buildings that have not been audited to date is complete. Regional Council approved the capital budget request for this project in the 2009 budget.
Energy Retrofit of three Peel Living Group Homes	This holistic energy project will begin on the three group homes in Peel's care. Energy retrofit work will tighten the building envelope and address internal air quality, followed by upgrades to the heating and cooling systems including hot water heating. Using a combination of ground source heat pumps and solar thermal collectors, the homes will be heated and cooled with renewable energy.	Employee and Business Services and Human Services (Energy Management and Residential Property Management)	Energy retrofit work is ongoing. The work was divided into two separate tenders after the initial tender was cancelled due to insufficient market response.
Solar Photo Voltaic (PV) Project for Vera M. Davis Long Term Care Centre	A 23 kWh roof mounted PV system will be installed at Vera M. Davis Long Term Care Centre. This will be the first project to participate in the provincial Standard Offer Program offering \$0.42/kWh.	Employee and Business Services and Health Services (Energy Management and Long Term Care)	Installation work is on hold until Hydro One completes its Connection Impact Assessment. Hydro One has advised that the lead time for this assessment is approximately one year based upon their current backlog of grid connection requests.
Green Roof Project for Malton Village Long	A demonstration green roof project is being developed at the Malton Village Long Term	Employee and Business Services and	A green roof with embedded solar photovoltaic panels was installed in 2008. The panels

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Term Care Centre	Care Centre. The green roof is expected to be approximately 2500 sq ft. The roof will be monitored to evaluate findings such as increased storm water management.	Health Services (Energy Management and Long Term Care)	are in service and the power produced is used for exterior lighting on the building. An expansion to the green roof is scheduled for 2009.
Solar Thermal Hot Water at Ridgeway Child Care Centre	The existing gas fired hot water heaters will be replaced with ultra high efficient, robust hot water heaters with a solar thermal component. The heaters are sized to provide up to 50 percent of the facility's hot water needs annually.	Employee and Business Services and Human Services (Energy Management and (Children Services))	The solar panels were put into service in January 2009. The system is metered, but has only been in service for a short period of time. Therefore, no meaningful data is available at this time.
Hot Wind Box Technology	Four fluid bed incinerator units with a total capacity of 400 metric tones/day will be built at the Lakeview Wastewater Treatment Plant. The hot windbox design and the primary heat exchanger will use hot exhaust gases to heat the fluidizing air stream to the incinerator. The process improvement will reduce natural gas usage and reduce carbon dioxide emissions.	Environment, Transportation and Planning Services (Wastewater Treatment)	Two Hot Wind Box Incinerators have been commissioned. The third was in the commissioning stage during March and the fourth will be commissioned very shortly. The goal of a thirty percent reduction in natural gas consumption has been achieved and exceeded through this project.
Peel Living Water Efficiency Retrofit Project – Phase 3B	Approximately 750 Peel Living residential units will be retrofitted with water-efficient toilets, faucet aerators, and shower heads.	Environment, Transportation and Planning Services (Operations Support)	Peel Living Water Efficiency Retrofit Phase 3b is complete. 1,084 units were retrofitted with water efficient fixtures, including 1,475 toilets. Monitoring of this project is ongoing.
Industrial, Commercial and, Institutional (ICI) Indoor Water Audit Program	Potential water savings within ICI facilities that may be achieved through permanent process changes will be identified. The top ten largest facilities in Peel will first be assessed to identify specific water saving opportunities.	Environment, Transportation and Planning Services (Operations Support)	Water savings achieved in 2008 were 0.200 ML/day or 200,000 litres of water per day. An additional four ICI facilities will have completed the Indoor Water Audit Program in 2009 with an approximate additional water savings of 0.984ML/day or 984,000 litres of water per day.
Water Wise Demonstration	A water wise demonstration garden will be built at the	Environment, Transportation	Construction of this garden has been deferred pending

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Garden	Silverthorne Pumping Station in partnership with the City of Mississauga and Applewood Secondary School.	and Planning Services (Operations Support)	the appointment of a new City of Mississauga staff person.
Hybrid Vehicle Purchases	Four vehicles are scheduled to be replaced with gas/electric hybrids. In addition, seven hybrid vehicles are expected to be added to the Fleet bringing the total number of hybrid vehicles in the Region to twenty-six.	Environment, Transportation and Planning Services (Operations Support)	Four vehicles were replaced with gas/electric hybrid vehicles. The Region has reduced CO ₂ emissions by over of 50,000 kg in 2008.
Bio Diesel	The Region is investigating using Biodiesel for its entire diesel fleet by the end of 2008.	Environment, Transportation and Planning Services (Operations Support)	This project has been deferred until further notice.
Environmentally Friendly Community Recycling Centres (CRC's)	Two Community Recycling Centres (Heartlake in Brampton and Clarkson in Mississauga) to be built beginning in 2009 will incorporate the following Green Initiatives: <ul style="list-style-type: none"> • Heating and cooling by ground source heat pumps (no direct use of fossil fuel) • Radiant floor heating • Green roof • Unique solar PV (approx. 6KW) on green roof connected to grid under Standard Offer Program • Maximized natural lighting by windows and solatubes • Proposed "intelligent lighting design" for artificial lighting • Heat recovery ventilators • R 2000 insulation, triple glazed windows • Low water sanitary fixtures • Xeriscaped landscape • Building automation system 	Environment, Transportation and Planning Services (Waste Management)	The Clarkson and Heart Lake CRC's are in the 2009 Capital Budget for construction commencing this year. Construction is expected to take twelve months provided approvals from the respective municipalities are granted.
Roundabout	The first Regional roundabout, proposed at the intersection of Dixie Road, Olde Base Line and Horseshoe Hill in Caledon	Environment, Transportation and Planning Services	The design for the project is completed and the property acquisition is being finalized. Pending completion of all

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	will be designed.	(Transportation)	property acquisition, construction may begin later in 2009.
TransHelp Bus Fuelled with Biodiesel	Purchase of one diesel bus for TransHelp which will be fuelled with biodiesel as a pilot project.	Environment, Transportation and Planning Services (Transportation)	<p>The diesel powered FORD E350 bus was delivered in October 2008. The bio-diesel bus pilot project is expected to achieve reduction in particulate matter by 10-25 percent, hydrocarbon by 30-50 percent and carbon monoxide by 5-15 percent.</p> <p>To meet the above objectives, the Region will:</p> <ul style="list-style-type: none"> i) Establish a green house gas (GHG) emissions baseline ii) Establish emissions (i.e.: CO, HC and PM) baseline with regular diesel iii) Identify factors responsible for variable in emissions and fuel use and, iv) Establish future fuel and maintenance cost savings v) Establish policy (Management) <p>The cost savings in terms of maintenance cost compared to regular buses has been very encouraging.</p>
Reduce Idling Time of TransHelp Vehicles	Investigate ways to reduce unnecessary idling time of TransHelp vehicles while in service.	Environment, Transportation and Planning Services (Transportation)	This project was delayed due to the challenges involved in monitoring vehicle idling during the winter months. This activity will commence in the spring 2009 and it is expected that there will be a 12.5 percent reduction in greenhouse gas emissions per year.
Peel Region Official Plan Review	Continue work on the air quality section of the Peel Region Official Plan Review.	Environment, Transportation and Planning Services and Health Services (Planning, Policy and Research)	Draft air quality-related Regional Official Plan policies have been developed. The policies are currently undergoing public consultation as part of the Regional Official Plan Amendment (ROPA) 21.

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		and Environmental Health)	
Region of Peel Transportation Demand Management Program	Additional funding and resources are committed to expand Peel's Transportation Demand Management (TDM) program.	Environment, Transportation and Planning Services (Transportation Planning)	The five-year TDM work plan was developed. Programs are being implemented to reduce the number of single-occupant vehicles and resulting greenhouse gas emissions.
Peel Active Transportation Initiative, Phase 1	A marketing and communication plan will be developed to encourage individuals to use active modes of transportation such as cycling and walking instead of driving.	Environment, Transportation and Planning Services (Transportation Planning)	An active transportation user profile was completed to provide information on the community profile. The information from the user profile was used in developing the marketing strategy to encourage people to use active modes of transportation. For example, through the user profile, it was shown that residents need more information on where they can find multi-purpose trails and bicycle lanes in their community.
Clarkson Air Shed Advisory Committee	Participate on the Clarkson Airshed Advisory Committee. Implementation of an air monitoring program expected to begin in 2008.	Health Services (Environmental Health)	Peel Health continues to work with the Ontario Ministry of Environment (MOE) and other partners on issues related to the Clarkson Airshed. The MOE is currently implementing the recommendations from a consultant hired in the fall of 2008.