

2013 REVIEW Strategic Plan for Sustainable Development

60283557 | February 2014





A WORD FROM THE MAYOR



"To meet current needs without compromising the capacity of future generations to meet theirs."

Starting in 2012 and following a collective and concerted approach in the Borough of Pierrefonds-Roxboro, we have endorsed the concept of sustainable development. This involves a gradual process of transition, and by making some modifications and adopting new practices since the first year, we have seen benefits for the Borough and social impacts for our residents.

With its focus on current needs and those of future generations, the implementation of our strategic management plan for sustainable development has shown tangible results. The actions undertaken in the Borough are already bearing fruit in all areas of application. Whether the area of application is social, environmental or economic, the actions that were undertaken have created value and will have long-term impacts for our Borough.

Our congratulations and thanks go out to all those who collaborated in these initial successes. We encourage our management team and all our staff members to continue along the path to sustainable development.

Pierrefonds-Roxboro and sustainable development: it's a mind-set!

A handwritten signature in black ink, consisting of stylized, overlapping loops and lines.

Dimitrios (Jim) Beis, Borough Mayor



A WORD FROM THE BOROUGH DIRECTOR

The Borough of Pierrefonds-Roxboro's Strategic Plan for Sustainable Development was drawn up in the framework of a participative, inclusive process involving all our elected officials, employees, community partners and residents.

The 2013 Review of the Strategic Plan for Sustainable Development demonstrates the quality of the efforts made by all players in reaching its common objectives, through the implementation of the actions identified for sustainable development in the Borough. And given the quantity of actions carried out, the present review justifies all the efforts made by the Borough of Pierrefonds-Roxboro to reach those objectives. In addition, the setting up of the Partners Committee has allowed the Borough of Pierrefonds-Roxboro to strengthen the links among the various partners as the initiative evolves over the coming year.

The involvement of our employees generally has been remarkable. Let's continue on together in helping to define a sustainable future for the generations to come!

A handwritten signature in black ink, appearing to read "D. Jacob".

Dominique Jacob

Director for the Borough of Pierrefonds-Roxboro



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1. INTRODUCTION

VISION for 2030

“Pierrefonds-Roxboro will be a Montréal borough recognized for the quality of the services it offers its population while respecting the integrity of the natural environments.

Pierrefonds-Roxboro will be able to meet the needs of people from all walks of life and from all age groups. The family will be at the heart of the Borough’s concerns and will influence the choices made in the land-use planning, the facilities it provides and their distribution across the territory.

All Pierrefonds-Roxboro residents will have the opportunity to access Rivière des Prairies while respecting the fragility and the sensitivity of its natural environment. Neighbourhood parks and green spaces will be accessible to everyone.

By opting for continuity in the urban framework and by intensifying land use on its territory, the Borough is providing itself with the means to offer its population diversified, flexible services, efficient public transit services and beautiful surroundings.

Finally, Pierrefonds-Roxboro will be a Montréal borough in which proud, sensitive residents will participate in the protection and development of their living environment to provide future generations with a Pierrefonds-Roxboro where the urban environment and the natural areas coexist in harmony.”

As 2013 came to an end, the SPSP celebrated its second anniversary and is already halfway towards the end of its timeframe for implementation (2015). The Borough’s Strategic Plan for Sustainable Development is meant as an evolving instrument in which certain actions can be modified, postponed or accelerated while continuing to pursue the objective of improving the Borough’s sustainable development practices.

In January 2012, the Borough of Pierrefonds-Roxboro adopted its first Strategic Plan for Sustainable Development (SPSP). In keeping with the Plan for the whole of Montreal, the actions are structured according to five orientations, as follows:

1. Improve air quality and reduce greenhouse gas emissions
2. Ensure the quality of residential living environments
3. Practice responsible resource management
4. Adopt best practices for sustainable development in industries, businesses and institutions
5. Improve protection of the biodiversity of natural environments and green spaces.

In order to reach these orientations, the SPSP is broken down into 103 actions, 37 of which address internal Borough practices (corporate segment) and 66 address the municipal administration and Borough partners (local segment).

Preparing an annual review of how the Plan is progressing helps us monitor the objectives that the Borough has set for sustainable development. It is also an opportunity to learn some lessons and identify the successes and challenges faced by the municipal administration.

1.1 FOLLOW-UP ON ACTIONS

The 2013 Review monitors the evolution of actions in the Borough's Strategic Plan for Sustainable Development. When the Plan was drawn up, indicators were established for each of the actions in order to measure their progress towards reaching the objectives for sustainable development. Throughout the year, data related to these actions were collected by the Borough's various departments and then compiled by the Follow-up Committee.

Under the direction of the Borough's management team, the Follow-up Committee is composed of the Mayor, the Borough Director, department managers and certain members of staff. The Committee met three times during 2013: in January, May and October.

At the first meeting, one person was identified as being responsible for each of the 2013 actions, and timetables for the current year were established.

1.2 PARTNERS COMMITTEE

The Partners Committee was formed at the beginning of 2013 to ensure ongoing communication with the Borough's partners. Composed of representatives from community groups, corporate citizens, and healthcare and educational institutions, the Committee consists of the players who were present at the workshops for drawing up the SPSP. To provide political representation, some elected officials are also members of the Committee. The objectives of the Follow-up Committee are as follows:

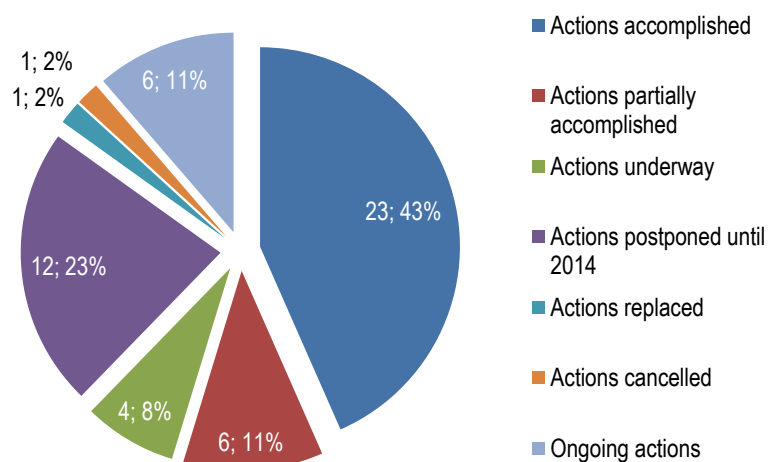
- To present the previous year's Review, and to identify the successes and the challenges
- To discuss the Review with the Partners Committee
- From among the actions planned in the SPSP, to determine the priority actions for the current year
- To identify the means for implementing these actions
- To identify, as needed, any actions that must be added to the SPSP
- To invite the partners to share the actions and the successes of their respective organizations in terms of sustainable development.

Two meetings with the Partners Committee were held in 2013, the first to present the 2012 Review and the second to identify the partners' priorities. To facilitate this prioritization process, a computer-based survey was distributed to the partners in order to prioritize the themes and then the actions listed under each theme.








2. FOLLOW-UP ON LOCAL ACTIONS FOR 2013

This section presents each of the local actions in the SPSP for which implementation was planned in 2013, as well as certain actions for 2012 that were postponed until 2013.

A total of 53 actions were planned for 2013, and 62% of these were accomplished, partially accomplished or are currently underway.



The status of each action is indicated by the following pictograms:

-  Ongoing action
-  Action accomplished
-  Action partially accomplished
-  Action underway
-  Action postponed until 2014
-  Action replaced by another action
-  Action cancelled

The following table reviews the local actions for the SPSPD in 2013, in accordance with Orientation 1. Improve Air Quality and Reduce Greenhouse Gas Emissions.



ORIENTATION 1. IMPROVE AIR QUALITY AND REDUCE GREENHOUSE GAS EMISSIONS

Status	Actions	Goals	Results	Recommendations
➔	2 L – Encourage the introduction of incentive measures for sustainable transportation in the Borough's stores, businesses and institutions (Allégo program, for example).	Awareness program (spring and fall).		Implement an awareness campaign so that the major employers in Pierrefonds-Roxboro can introduce incentive measures for public transit and join the Borough's carpooling program (Covoiturage.ca).
∞	3 L – Support projects in the Transportation Plan.			
➔	4 L – Encourage Communauto and BIXI to establish themselves in the Borough.	Communauto in 2013. Bixi in 2014.	Communauto feels that the number of members is not sufficient to develop the service in the short term in the Borough.	Contact Communauto annually to determine their interest. Approach the company car2go to determine its interest in establishing itself in the Borough.
∞	7 L – Install sidewalks in new neighbourhoods to encourage active transportation.	Any new local street with authorization for on-street parking (except projects already approved).	No new streets were opened in the Borough in 2013.	
±	8 L – Amend the planning regulations to increase the number of bike racks required for new development projects.	To compare the standard number with the need.	The planning by-law was amended to increase the parking ratio for bikes by 5% to 10% for the minimum number of spaces required for the "Community (p)" group of uses.	An increase in this ratio is also planned for uses in the "Housing (h)", "Commercial (c)" and "Industrial (i)" groups during 2014.
✓	9 L – Participate in the program to remove or replace wood-burning stoves and fireplaces, financed by the MDDEFP and administered by Équiterre.	To remove or replace 200 wood stoves or fireplaces per year.	105 heating appliances were removed or replaced in the Borough between November 2011 and March 2013.	The program ended in December 2013.



Action 9 L – Participate in the program to remove or replace conventional wood-burning appliances, funded by the Ministère de Développement durable, de l'Environnement, de la Faune et des Parcs and managed by Équiterre.

In Quebec, burning wood for residential heating in an urban environment is the main source of concentrations of fine particles in the air contributing to the formation of winter smog. In addition to diminishing the air quality, winter smog is a public health concern, aggravating cardiac problems and respiratory diseases.

Thus in 2011, the Borough of Pierrefonds-Roxboro joined the “Feu vert” program to remove or replace wood-burning appliances, funded by the Ministère de Développement durable, de l'Environnement, de la Faune et des Parcs and managed by Équiterre.

To encourage residents to part with their old appliances, the “Feu vert” program offers a financial incentive to anyone who removes or replaces these fixtures. The program ended on December 20, 2013.

The program was advertised several times on the Borough's Web site, on electronic billboards and in the magazine Life in Pierrefonds-Roxboro

For the period from November 2011 to March 2013, 105 stoves and fireplaces were removed or replaced by fixtures using wood pellets, natural gas or propane as fuel (with an intermittent or electronic ignition system) or by electrical appliances. At the time of publishing this review, the official data from Équiterre for the period from April 2013 to December 2013 were not available.



Did you know?

A conventional wood stove burning for nine hours emits the same amount of fine particulate matter as running a car for one year (over a distance of 18,000 km).

In some residential neighbourhoods in Montreal with a large number of wood stoves and wood -burning fireplaces, the air quality can be worse than in the downtown core.

(Source: Feu Vert <http://www.feuver.org/pourquoi-changer/qualite>)

The following table reviews the local actions for the SPSP in 2013, in accordance with Orientation 2. Ensure the Quality of Living Environments.



ORIENTATION 2. ENSURE THE QUALITY OF LIVING ENVIRONMENTS

Status	Actions	Goals	Results	Recommendations
	10 L – Require private, public and community developers to offer affordable housing in new residential projects.	15% of affordable housing units in the new housing offer.	The Borough is in conformity with the Strategy for Affordable Housing in new residential projects in Montreal.	
	11 L – Improve the offer in stores and businesses in proximity.	At a maximum distance of 800 metres in the new residential sectors and urban requalification projects.		A study on the subject should be carried out in 2014 to identify problematic areas.
	12 L – Incorporate TOD (<i>transit oriented development</i>) principles into the planning around commuter train stations.	To establish detailed planning for these areas with a standard that conforms to the <i>Plan métropolitain d'aménagement et de développement</i> (PMAD) (1.1.2) of 40 housing units / hectare.		Detailed planning should begin in 2014.
	13 L – Prepare detailed planning for the central area of the Borough (multi-purpose).	To establish detailed planning and a development strategy.	The Borough will start planning the central area in 2014.	Detailed planning will begin in 2014.
	14 L – Incorporate an accessible, safe, full training circuit, in a Borough park.	A full training circuit.	The circuit was officially opened on October 8, 2013 in Parc Yuile.	

Action 14 L - Incorporate an accessible, safe, full training circuit in a Borough park.











Outdoor fitness training circuits are already well established in Europe and Asia, and they have gradually been making an appearance over the last several years in Quebec's parks and green spaces. Their purpose is to promote physical activity in residents of any age or physical condition, completely autonomously and at no charge.









On October 8, 2013, a first intergenerational outdoor training circuit was officially opened in Parc Yuile, to the west of boulevard Saint-Charles, just to the south of boulevard de Pierrefonds. This circuit was constructed with the help of a grant from the Ville de Montréal of \$68,927, which was 50% of the total cost of \$137 855, taxes included.








The circuit has eight fitness stations, two of which are devoted to stretching and warm-up exercises. The other six fitness stations along the circuit each provide equipment for four exercises at the 'difficult' level and four at the 'gentle' level, for a total of 48 exercises. To this number are added the four stretching and warm-up exercises at each of those stations.

Physical conditioning sessions with certified instructors are offered, allowing residents to maintain or improve their level of fitness through outdoor training in all four seasons.



Status	Actions	Goals	Results	Recommendations
	15 L – Draw up a re-development plan for the marina and for boulevard Lalande.	To adopt a re-development plan for the marina site.	<p>The Technical and Functional Program (TFP) for the marina is almost finished. A soil contamination study is underway, and the gasoline tank was taken out in December 2013.</p> <p>The project for raising boulevard Lalande also includes replanting 1 km of the banks. A redevelopment program for the banks with re-naturalization was submitted to the MDDEFP and the Borough is awaiting an agreement in principle. A 2014 completion date is expected.</p>	
 	17 L – Plan rights-of-way along Rivière des Prairies when creating new subdivisions or on proposed subdivisions on the banks.		Discussions with legal advisors are currently in progress.	
	18 L – Acquire new access points, preserve and affirm the public character of the existing access points to Rivière des Prairies.	To seize purchasing opportunities and set these spaces aside for public purposes.	No new access was purchased in 2013.	
 	19 L – Put in place traffic calming measures around schools and parks.	To put in place five traffic calming measures around schools and parks per year.	<p>A speed bump was installed on rue Meloche bordering Villeret Park.</p> <p>The Department of Public Works carried out a study to determine the problematic sites.</p>	Carry out a more in-depth study to identify problematic sites and suitable traffic calming measures.
 	20 L – Plant more trees in public areas.	To plant 150 trees per year.	50 trees planted in 2013.	
	21 L – Authorize alternative parking on local streets in all new sectors of development.	To allow on-street parking for all new local thoroughfares.	No new roads were opened in 2013.	
	23 L – Promote underground parking in new development projects.	To make underground parking mandatory in new buildings with 30 or more dwelling units.	The Zoning By-law was amended so that at least 80% of parking spaces are located indoors or underground for the	

Status	Actions	Goals	Results	Recommendations
			"Multi-family housing (h3)" class of uses (four or more dwelling units).	
	24 L – Continue participation in <i>Les Fleurons du Québec</i> .	To encourage stores and businesses to improve the quality of their landscaped areas.	In 2011, the Borough kept its "fleurons", and acquired a new one. The next appraisal will take place in 2014.	
	25 L – In partnership with the <i>Conseil régional de l'environnement de Montréal</i> (CRE), proposed greening project for the largest heat islands in the Borough.	To remedy 1 major heat island each year.	The objective was not reached.	
	26 L – Green the surroundings to public areas on boulevard Gouin and encourage riverfront property owners to green the walls of private areas.	Development plan and execution of the work over 10% of the area annually	Issues related to boulevard Gouin are complex: original route is difficult to identify, rights-of-way are unequal and very narrow in places, overhead power lines, etc. Efforts at greening have been made in the past, but without long-term results.	This action should be replaced by the preparation of a redevelopment plan. This plan could be done jointly with the Ville centre.
	27 L – Amend the regulations to make light-coloured roofs mandatory on buildings with flat or low-sloped roofs.	To amend the regulatory provisions.	The Zoning By-law was amended to only allow light colours or green roofs for flat or low-sloped roofs.	
 	28 L – Develop a participative and representative environment for living, by means of dynamic and innovative programming.	To improve the service offer.	Specific improvements to the cultural offer are specified in Action 32 L.	
 	29 L – Develop programming and promote participation by the population in a series of free activities for all.	Three annual activities in 2013.	Canada Day Family Day Le Relai rivière. Programming in the parks (over a 6-week period).	

Status	Actions	Goals	Results	Recommendations
	30 L – Draw up a master plan of sports and recreational facilities, including projections for development in the Pierrefonds-West sector.	To adopt a master plan.	The master plan was submitted to Borough Council in February 2013.	
	31 L – Encourage participation in community action.	To draw up a Policy for Awareness of and Support for Organizations.		The Policy for Awareness of and Support for Organizations will be drawn up in 2014.
 	32 L – Develop an innovative cultural services offer relative to the cultural, linguistic and artistic diversity specific to the Borough of Pierrefonds-Roxboro.	To increase the cultural services offer by 25% between now and 2014.	<p>The following sectors benefited in 2013: Cultural events, activities with day camps and activities with children and teens (added to the school segment and urban art component in the art competition).</p> <p>Introduction of special activities for seniors and story hours for daycares and childcare centres.</p> <p>Purchase of computer equipment for the libraries (8 e-readers that users may borrow free of charge, 6 iPads (NetSpot) to use free of charge on site at the Pierrefonds Public Library, addition of two new self-checkout stations).</p>	
 	34 L – Maintain the Public Safety Patrol and promote the training of first responders among patrollers.			
	37 L – Promote urban agriculture in schoolyards.	1 vegetable garden every two years.	Two new vegetable gardens were completed by Éco-quartier: Saint-Gérard and Murielle-Dumont primary schools.	

27 L – Amend the regulations to make light-coloured roofs mandatory on buildings with flat or low-sloped roofs

“The term “urban heat island” (UHI) refers to the rise in temperature - particularly maximum high temperatures - recorded in an urban environment and compared to surrounding rural zones. This difference is linked essentially to human activity and to urban planning, and may vary between 5 and 10 degrees Celsius in summer.”

Source: CRE Montréal

In Montreal, the first borough to incorporate standards for light-coloured and green roofs into its planning by-laws was Rosemont–La-Petite-Patrie. Today a large number of boroughs have adopted this effective means of reducing heat islands caused by buildings.

The Borough of Pierrefonds-Roxboro, concerned about reducing sources of heat islands, has also amended its planning by-laws to allow only green roofs and roof cladding materials that are light in colour for flat roofs.

A light-coloured roof limits the heat island effect, while a green roof also reduces the quantity of run-off water and increases biodiversity in an urban setting.



29 L – Develop programming and promote participation by the population in a series of free activities for all

RELAJ RIVIÈRE DU TOUR DE L'ÎLE BLEU

In 2013, the Borough participated in Le Relai Rivière du Tour de l'Île Bleu, organized by Accès Fleuve/Zip Ville-Marie, in collaboration with the boroughs of Pierrefonds-Roxboro and Ahuntsic-Cartierville and the Réseau des grands parcs de la Ville de Montréal. The aim of Le Tour de l'Île Bleu is to promote the blue route that encircles the Island of Montreal. This year, Le Relai added the opportunity for the general public (at all levels of expertise) to explore Rivière des Prairies and its banks.

The departure was from the Cap-Saint-Jacques Nature Park visitor centre in Pierrefonds-Roxboro and the destination was the Site nautique Sophie-Barat in Ahuntsic-Cartierville.



32 L – Develop an innovative cultural services offer relative to the cultural, linguistic and artistic diversity specific to the Borough of Pierrefonds-Roxboro

A joint action was put in place to improve the cultural services offer for children:

The Borough of Pierrefonds-Roxboro supported the **Festival Petits Bonheurs** (an event held throughout Quebec that provides an array of cultural and artistic activities for pre-schoolers (0 to 6 years). This initial participation allowed for the presentation of 2 different productions, with 4 performances and 3 workshops to awaken creativity.

A cultural event project, **Les Quatre Saisons de Vivaldi**, for youngsters in grades 4 and 5 at the Perce-Neige School, took place in the winter season of 2013.



School programming for primary grades was implemented. This action allowed for the presentation of 2 shows at the East Community Centre. Students from the Perce-Neige and Harfang-des-Neiges schools benefited from this partnership.

An accompanying activity at the **Peuples autochtones de Bolivie photography exhibition** was organized and offered to day camps in the Borough. Six groups benefited from this guided visit.

With a constant desire to encourage cultural visits and events, a new series of films for children was introduced. This free cultural offer was implemented as a children's activity under the name **Popcorn Fridays**. Five movies were presented to children in the Borough.

Two boxes of books, with about 100 books in each, were put at the disposal of childcare services. The purpose of this action was to help introduce reading to pre-school children registered in the community services and childcare services in the neighbourhood. The objectives are to make children's literature available to children aged 0-5 years and develop their curiosity and taste for reading. The two boxes are in circulation for 45 weeks, on a rotational basis, in the 6 childcare services.



37 L – Promote urban agriculture in schoolyards

VEGETABLE GARDENS AT SAINT-GÉRARD AND MURIELLE-DUMONT PRIMARY SCHOOLS

After seeing what Lalande and Harfang-des-Neiges schools achieved in 2012, students at Saint-Gérard and Murielle-Dumont schools were inspired to plant fruits and vegetables in their schoolyard in 2013.

With the support of Jeunesse en action and a financial contribution from the TD Friends of the Environment Foundation, Éco-quartier Pierrefonds-Roxboro was able to provide these young students with training and educational materials about planting seeds indoors, the basics of apprenticeship training, plants that repel insects and worm composting, along with technical and professional support in regard to selecting planting boxes, installing rain barrels, seeking funding and summer supervision.



Source: éco-quartier Pierrefonds-Roxboro

















Source: éco-quartier Pierrefonds-Roxboro

The following table reviews the local actions for the SPSP in 2013, in accordance with Orientation 3. Practice Responsible Resource Management.







ORIENTATION 3. PRACTICE RESPONSIBLE RESOURCE MANAGEMENT

Status	Actions	Goals	Results	Recommendations
 	38 L – Participate in information campaigns on the use of drinking water.	2 activities per year. Blue Patrol.		
 	39 L – Ensure that the By-law on the illicit use of drinking water and the ban on watering are respected.	To increase the number of patrols.	A new by-law for the urban agglomeration has come into effect. Fines are higher.	
 	41 L – Incorporate green infrastructures for capture, retention and infiltration (such as wetlands) in its own development projects, including streets.	To incorporate this analysis into the planning process for projects.	Development and street upgrading projects designed by the Engineering Department will henceforth incorporate optimal management practices for rainwater.	
 	42 L – Raise residents' awareness of the ecological management of rainwater (e.g., use of rainwater barrels, replacing hard surfaces, rain gardens, ecological maintenance of ditches, disconnecting gutter downpipes).	1 project per year (e.g., conference, key subsidy in hand for barrels, landscaping contest, discount on purchase of material, eco-kit for economizing on drinking water when gutter downpipes are disconnected, etc.).		

Status	Actions	Goals	Results	Recommendations
	43 L – Disconnect sump pumps from the sanitary sewer system (pilot project).		Certain at-risk sectors were targeted for disconnection of sump pumps. Visits were made to all properties that have suffered a back-up since 2011. Among the 17 properties inspected, 2 received notices about disconnecting their drainage pumps.	
	44 L – Correct reversed connection situations.	24 detected in 2010; to rectify 100% of the connections identified.	Public Works corrected 8 reversed connections and 1 resident carried out his own correction.	
	45 L – Prevent cross connections in new housing projects.	To adopt a regulatory measure and change the intervention procedures.	A standardized section has been systematically incorporated into the agreement protocol with developers to avoid creating new cross connections.	
 	47 L – Continue distributing domestic composters.	To distribute 100 or more composters per year.	128 composters were distributed in 2013, an increase of 28 over 2012. During the distribution session on June 12, 2013, an information session was also offered to Borough residents.	
	49 L – Continue with and increase the collection of Hazardous Household Waste (HHW).	To reach a recovery rate of 75%. This target corresponds to the 2008 objective.	53% recovery rate in 2012 ¹ , representing an increase of 6% since 2008. On June 8 and 9, 2013, 643 families participated in the collecting, resulting in the safe disposal of 13.9 tonnes of HHW. It is difficult for the Borough to increase the number of HHW collections because this is provided by the urban agglomeration. Collection times are already advertised and the rate of participation by residents is already high.	Make residents aware of the importance of recycling HHW and increase publication of collection points that recover HHW on an ongoing basis.

¹ Source : MONTRÉAL, DIRECTION DE L'ENVIRONNEMENT DIVISION DE LA PLANIFICATION ET DES OPÉRATIONS – GESTION DES MATIÈRES RÉSIDUELLES. 2013. *Portrait 2012 des matières résiduelles de l'agglomération de Montréal* (on line) http://ville.montreal.qc.ca/pls/portal/docs/PAGE/ENVIRO_FR/MEDIA/DOCUMENTS/MTL-PORMATRES2012AVR13-WEBV12.PDF.



Status	Actions	Goals	Results	Recommendations
	50 L – Introduce measures for recovering used batteries in municipal buildings accessible to the public and publicize the stores that recover certain Household Hazardous Waste items.	To equip all buildings accessible to the public with containers in which residents may deposit their used batteries.	The Borough joined the <i>Call2Recycle</i> program. Borough Hall and the Pierrefonds Public Library are now collection points for used household batteries and for used cellular phones. Éco-Quartier is also a collection point. The two fire stations that serve the territory only recover rechargeable batteries.	
	51 L – Adopt a by-law on recycling grass clippings.	For the Council to adopt a by-law.	An article on this subject appeared in the August 2013 issue of the magazine <i>Life in Pierrefonds-Roxboro</i> .	In 2014, adopt a by-law on recycling grass clippings.
 	52 L – Raise awareness among promoters holding events in public areas about responsible management of events.	To inform event promoters about, and make them aware of, the parameters for organizing eco-responsible events.	Preparation of an explanatory leaflet for developers will begin in 2014.	Information sessions on the management of eco-responsible events are offered. It would be useful to mandate a Borough employee to attend one of these sessions.

50 L – Introduce measures for recovering used batteries in municipal buildings accessible to the public and publicize the stores that recover certain Hazardous Household Waste items.

In December 2013, Pierrefonds-Roxboro put at the disposal of its residents two new collection points for recovering used batteries and cellular phones.

The following batteries and cellular phones are accepted:

- batteries that weigh less than 5 kg
- cellular phones and their batteries, no matter their size, components, model or age.

Wet batteries (any battery containing a liquid, such as car batteries) are not accepted.

Collection points are as follows: Citizen Services Office in Borough Hall at 13665, boulevard de Pierrefonds and the Pierrefonds Public Library at 13555, boulevard de Pierrefonds.

Adding these collection points will have appositive effect on the Borough's review, the goal of which is to increase the quantity of Hazardous Household Waste (HHW) diverted from landfill sites.







Source: www.appelarecyclier.ca

The following table reviews the local actions for the SPSP in 2013, in accordance with Orientation 4. Adopt Solid, Sustainable Development Practices in Industries, Businesses and Institutions.






ORIENTATION 4. ADOPT SOLID, SUSTAINABLE DEVELOPMENT PRACTICES IN INDUSTRIES, BUSINESSES AND INSTITUTIONS










Status	Actions	Goals	Results	Recommendations
	53 L – Encourage the creation of environmental companies and support them in their business development.			
	54 L – Adapt the regulations to encourage harmonious integration into the urban environment of devices for green energy production (windmills, solar panels and others).	To adopt a by-law on site planning and architectural integration programs (SPAIP/PIIA).	Brainstorming is underway in the Urban Planning and Business Services Dept. An amendment to the planning by-law should be made during 2014.	
	55 L – Make permit applicants aware that demolition and major renovations require a plan for recovery and re-use of materials.	3 demolition and major renovation projects.	Three applicants for demolition of major projects were made aware of the need to recover debris. However, these three projects were postponed or refused.	Continue the promotion, to demolition permit applicants and to the centre for integrated management of construction and demolition debris run by Les Entreprises Environnementales Pierrefonds inc. In addition, the planning by-law could be amended to require a management plan for construction or demolition debris.
	57 L – Promote the construction and renovation of greener buildings according to recognized standards (LEED, BOMA-BEST, Novoclimat and others) in the territory.		The energy code, equivalent to the Novoclimat standard, is now in effect. No training was provided, because the Régie oversees its application.	Construction of the fire station is aiming for LEED® Gold certification.

The following table reviews the local actions for the SPSP in 2013, in accordance with Orientation 5. Improve the Protection of Biodiversity, Natural Environments and Green Spaces.



ORIENTATION 5. IMPROVE THE PROTECTION OF BIODIVERSITY, NATURAL ENVIRONMENTS AND GREEN SPACES

Status	Actions	Goals	Results	Recommendations
	58 L – Prepare an arboreal plan.	To have an arboreal plan adopted by the municipal council.	In light of the discovery of the first case of an Emerald Ash Borer, the Borough is of the opinion that it is essential to proceed immediately with an inventory of ash trees presents on its territory, so as to be able to assess the impacts of this pest on Pierrefonds-Roxboro's urban forest.	
	59 L – Raise awareness in the population about the benefits of urban trees, and distribute indigenous tree seedlings.	To participate in awareness campaigns. To continue distributing seedlings.	Éco-quartier in Pierrefonds-Roxboro distributed a total of 500 tree seedlings of the following species: Sugar Maple, Bitternut Hickory, Black Cherry, Red Oak, Red Spruce, Red Pine, White Spruce, White Birch. Articles have been published in the Life in Pierrefonds-Roxboro magazines to make the population aware of the Emerald Ash Borer.	Continue activities for residents to raise awareness.
	60 L – Introduce incentive measures for the replacement of trees felled with a permit.	To replace 25% of trees felled with a permit.	Upon checking with the Clerk's office, these incentive measures would be considered as grants. In fact, the Borough does not have this legal authority, as the grants come from the Ville centre.	To reach the goal, it is proposed instead to apply the current by-law more strictly (obligation to plant one tree per lot in the front yard). A report was prepared and written notice was sent to applicants for a tree-felling permit, requiring the replacement

Status	Actions	Goals	Results	Recommendations
				of any tree felled. In total, 31 new trees were planted as a result of this notice.
 	62 L – Continue to extend the program for cleaning the public riverbanks.	4 to 5 km of public riverbanks cleaned annually. 1 km more each year.	2 activities were organized by Éco-quartier: - Riverbank and the Rapides-du-Cheval-Blanc Nature Park (July 13, 2013). - Banks of the Rivière à l'Orme in L'Anse-à-l'Orme Nature Park (September 21, 2013).	Continue the activities.
	63 L – Set up a program to replant the public riverbanks in certain sectors.	To replant 1.2 km of shoreline.	Vegetation engineering work was carried out to stabilize and renaturalize the public riverbank in Parc Hélène-Legault.	In 2014, it would be opportune to establish a program and an action plan for all public riverbank areas in the Borough.
 	64 L – Encourage owners of waterfront properties to apply replanting measures to private sections of the riverbank.		This action is postponed until next year.	Produce a set of awareness and information resources to go along the shoreline. Publicize these resources on the Borough's Website.
 	65 L – Participate in the preparation of a ecological management program for green spaces.	To extend the program to the protected area in the West sector of Pierrefonds-Roxboro and in the Rapides-du-Cheval-Blanc Nature Park, and to continue the program in the Cap-Saint-Jacques, Bois-de-Liesse and L'Anse-à-l'Orme nature parks.	The Ville centre always carries out the ecological management of green spaces for the Cap-Saint-Jacques, Bois-de-Liesse and L'Anse-à-l'Orme nature parks.	
 	66 L – Practice differentiated management of parks, green spaces and lots owned by the Borough. Raise awareness in the population and the	To practice differentiated management of two parks, green spaces or lots per year.	Public Works is currently studying the option of implementing a differentiated management program in these parks	Adopt a program in 2014.

Status	Actions	Goals	Results	Recommendations
	users of these spaces about the benefits of this type of management.		and green spaces.	

Ecological Gardening Day

The 4th Ecological Gardening Day, organized by the Borough, was held on June 1, 2013. This special day was made possible with the participation of Éco-quartier Pierrefonds-Roxboro, the Société d'horticulture et d'écologie de Pierrefonds (SHEP) and local garden centres, which contributed to the event by donating a variety of gardening products.

Under sunny skies, close to 1,000 attended the event and received compost, wood chips, plants and pots of herbs at no charge. Given this unexpected turnout, the Borough is very proud of the interest shown by its residents in enhancing their properties and making firm gestures in support of the environment. The day can be summarized thus:

- 1,000 participants
- 65 tonnes of compost
- wood chips resulting from the felling of trees
- 1,000 perennial plants
- 600 pots of herbs
- 400 trays of annual plants and flowers
- 132 vegetable plants
- draw for 2 composters and 2 rainwater barrels
- tree seedlings (courtesy of Éco-quartier).

Several of the Borough's partners were present at the event and tended the information and awareness kiosks on the following themes:

- Éco-quartier Pierrefonds-Roxboro
- Société d'horticulture et d'écologie de Pierrefonds
- Ecological gardening and alternatives to pesticides
- Emerald Ash Borer
- G.U.É.P.E. (*groupe uni des éducateurs-naturalistes et professionnels en environnement*)
- Community-supported farming with D3 Pierres
- Saving drinking water with the Blue Patrol
- Relais Rivière du Tour de l'Île Bleu
- Carpooling and sustainable development



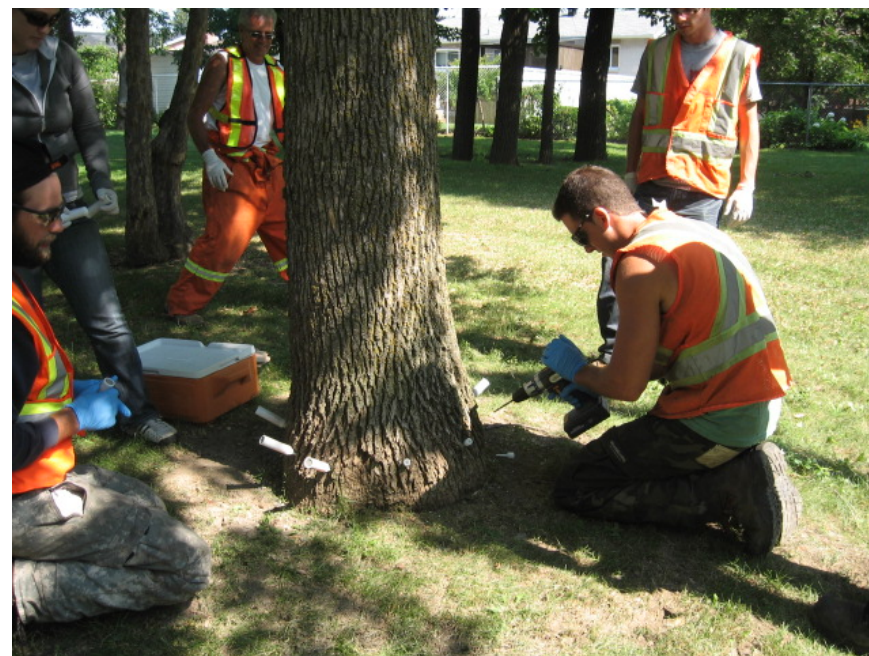
59 L – Raise awareness in the population about the benefits of urban trees, and distribute indigenous tree seedlings

MAKING RESIDENTS AWARE: EMERALD ASH BORER

The Emerald ash borer is a coleopteran insect from Asia; its accidental introduction into North America has already killed more than 70 million elm trees. The larvae resemble small white worms, and feed on the wood below the bark, forming tunnels that prevent the flow of sap, which results in the death of the trees. The insect was first detected on the Island of Montreal in 2011, and it spread rapidly.

Traps were installed in the summer of 2013, and this allowed the presence of the Emerald ash borer to be detected in the West sector of the Borough. However, no larvae were discovered in the trees neighbouring the trap. Despite this fact, it should be understood that the Emerald ash borer is in the area and it needs to be dealt with.

An action plan was drawn up by the *Direction des grands parcs et du verdissement*. The main aim of the plan is to slow the death rate of ash trees so as to be able to better manage the risks and ecological, social and economic impacts of dead and dying trees. It is essential that an inventory of public elm trees be made and their condition for preventive felling or conservation purposes be assessed. For more consistent results, the Borough is asking owners of private ash trees to get involved and take the necessary precautions to limit these pests. Numerous articles on the subject are being published in the municipal magazine *Life in Pierrefonds-Roxboro*, and we invite residents to participate in the plan to combat this scourge by contacting professional services to assess the state of their elms and the possibility of keeping them. Residents are also asked to respect the best periods for pruning and felling elms so as to limit the spread of adult insects. Measures of disposing of elm wood are being planned (disposal site for logs and collection of branches at no charge), in the same manner as branches are chipped, to eliminate any insect larvae in the wood.



As part of a project subsidized by Tree Canada, the Borough has carried out preventive treatment on six (6) trees in Parc Olympia. This park was selected because a large number of elm trees grow here, and also because it is close to known infestation sites. Thus in August, our pruners and gardeners were trained how to inject the pesticide TreeAzin (Bioforest), the biopesticide chosen by the Ville de Montréal in its strategy to combat the Emerald ash borer.

www.ville.montreal.qc.ca/agrile

62 L – Continue to extend the program for cleaning up the public riverbanks

Two activities for cleaning up the public riverbanks were organized by Éco-quartier Pierrefonds-Roxboro in 2013.

RIVERBANKS AND RAPIDES-DU-CHEVAL-BLANC NATURE PARK - JULY 13, 2013

The West Island Green Patrol and Éco-Quartier Pierrefonds-Roxboro invited Borough residents to a clean-up campaign along the banks and in the Rapides-du-Cheval-Blanc Nature Park. The day chosen was July 13, 2013 and there were 21 participants.

MAJOR CLEAN-UP OF THE BANKS OF RIVIÈRE À L'ORME IN THE L'ANSE-À-L'ORME NATURE PARK - SEPTEMBER 21, 2013

Éco-Quartier Pierrefonds-Roxboro, with the collaboration of the *Direction des grands parcs et du verdissement* at the Ville de Montréal and The Great Canadian Shoreline Clean-up presented by Loblaw, the Town of Ste-Anne-de-Bellevue, the Borough of Pierrefonds-Roxboro and the team at SOS Planète, invited residents to take part in a second clean-up campaign, this time on the banks of Rivière à l'Orme in the L'Anse-à-l'Orme Nature Park. This activity took place on September 21, from 10 a.m. until 2 p.m., and 22 residents participated.



63 L – Set up a program to replant the public riverbanks in certain sectors

STABILIZING THE RIVERBANKS IN HÉLÈNE-LEGAULT PARK

The aim of the project to stabilize the riverbanks in Parc Hélène-Legault was to protect the park's infrastructures and to preserve 20 mature trees.

Unlike the standard approach to stabilization by building a rock wall, the method chosen by the Borough of Pierrefonds-Roxboro was a vegetation engineering one, which has the advantage of improving the biodiversity of the waterfront environment generally by creating diversified habitats for wildlife.

In this project, 80 linear metres of riverbank were stabilized with the planting of over 610 shrubs, 500 perennials, including grasses, and by seeding 380 square metres with indigenous, stabilizing plants.

We must remember that the newly created waterfront strip is a fragile environment that needs to establish itself in order to survive. Residents are asked not to walk over the recently planted vegetation.

“Vegetation engineering is a science that integrates the principles of botany, soil mechanics and hydraulics. This science is based on using the natural capacity of plants to grow and develop in order to solve problems related to erosion and the stability of slopes. The resistance created through vegetation engineering is comparable to that of civil engineering, and in addition, it becomes stronger over time.”

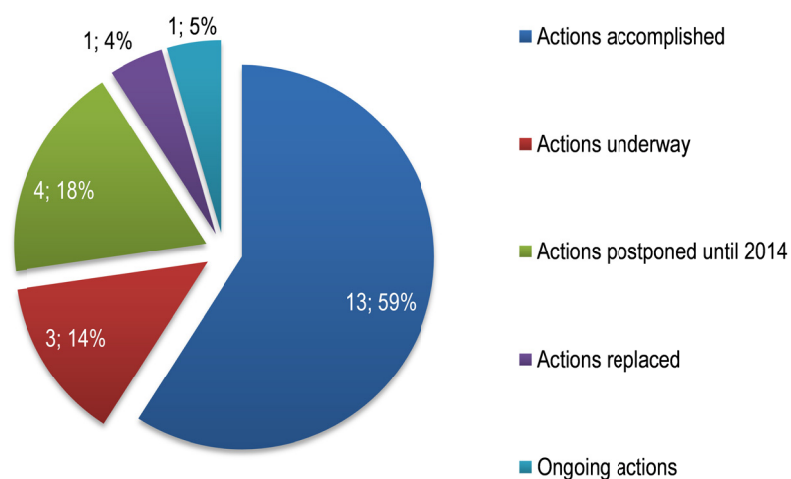
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<http://www.mapaq.gouv.qc.ca/fr/Regions/monteregie/articles/agroenvironnement/Pages/genievegetal-integrationdelascienceetdelavolonte.aspx>)










3. FOLLOW-UP ON CORPORATE ACTIONS FOR 2013

This section presents each of the corporate actions in the SPSP that were planned to be carried out in 2013, as well as certain actions from 2012 that were postponed until 2013.






A total of 22 actions were planned for 2013, 73% of which were accomplished or are currently underway.



The status of each action is shown by the following pictograms:

-  Ongoing action
-  Action accomplished
-  Action partially accomplished
-  Action underway
-  Action postponed until 2014
-  Action replaced by another action
-  Action cancelled






Upstream of the corporate actions for the SPSPD, the following four actions were to be implemented in 2013.

Status	Actions	Goals	Results	Recommendations
	2 C – Create a Partners Committee.		The Partners Committee was created at the beginning of 2013. The goal of this committee is to act as a bridge between the municipal administration and the population.	
 	3 C – Find out about and make good use of the financial aid programs available.			
 	4 C – Continue participation in the following campaigns: - Défi-Climat; - Centraide; - Earth Hour.		<p>Earth Hour: the activity was publicized in the following ways:</p> <ul style="list-style-type: none"> - Borough Website - Email to all employees - Via the Borough's Twitter account - On electronic billboards (these were switched off for one hour). <p>Employees were invited by the Ville centre to participate in the Défi-Climat campaign, and posters were installed in Borough premises.</p> <p>The Culture, Sports, Leisure and Social Development Department was responsible for the Centraide campaign in 2013. The goal was to collect \$5,000. The activities held were as follows: Pot-luck BBQ, 2 hockey games at Sportplexe 4 Glaces, British tea party, draw, contribution automatically withdrawn from employees' pay, \$ per km, etc.</p>	

The following table reviews the corporate actions in 2013 for the SPSP according to Orientation 1. Improve Air Quality and Reduce Greenhouse Gas Emissions.



ORIENTATION 1. IMPROVE AIR QUALITY AND REDUCE GREENHOUSE GAS EMISSIONS

Status	Actions	Goals	Results	Recommendations
 	5 C – Participate in the implementation of a plan to reduce the Montreal Community's GHG emissions.	Local objectives for GHG emissions specified in the plan.	Purchase of 2 Toyota Prius C vehicles in the fall of 2013.	
	7 C - Install new bike racks next to municipal buildings.	6 new bike racks in 2013.	Bike racks were installed in 2013.	
	8 C - Implement energy saving measures from the policy on sustainable development in municipal buildings.	To construct a new fire station in the West sector, with a view to LEED® Gold certification To enlarge the library, with a view to LEED® Gold certification To incorporate the principles for BOMA BEST certification for existing buildings.	Action plan to optimize ventilation was drawn up to improve energy efficiency in Borough Hall. Work is currently underway. Fire station 59 was built in 2013. The process of LEED® certification is underway.	
	12 C - Install charging stations for rechargeable electric or hybrid vehicles in public parking lots or on public thoroughfares.	Visitor parking at Borough Hall.	2 charging stations are planned in the Borough Hall parking lot. The Borough is waiting for an agreement between Hydro-Québec and the Ville centre. Also, as part of the enlargement and renovation project for the Pierrefonds Public Library, charging stations for electric or hybrid vehicles are planned in the parking lot.	

8 C - Implement energy saving measures from the policy on sustainable development in municipal buildings

CONSTRUCTION OF FIRE STATION 59 WITH A VIEW TO LEED® GOLD CERTIFICATION

The new fire station was built at 18661, boulevard de Pierrefonds, to the west of rue Paul-Pouliot on land used by the Borough as an area for depositing snow and dry materials.

With the new housing developments in the West sector of the Borough, a new fire station had become a necessity so as to reduce response times. Construction costs totalled \$7.1 million and were paid by the Montreal agglomeration.

In addition to conforming to the *Schéma de couverture de risques en sécurité incendie* (Fire Safety Cover Plan) adopted in 2008 by the agglomeration, this new fire station is in line with the Strategic Plan for Sustainable Development because the building is designed to meet the requirements of LEED® NC, GOLD level certification.








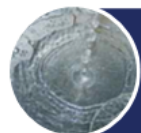
The following table reviews the local actions for the SPSPD in 2013, in accordance with Orientation 2. Ensure the Quality of Living Environments.










ORIENTATION 2. ENSURE THE QUALITY OF LIVING ENVIRONMENTS

Status	Actions	Goals	Results	Recommendations
 	13 C – During any road repair work, systematically analyze the road layout so as to incorporate traffic calming measures, installations that favour active transportation and measures for greening and for protecting existing vegetation.	To incorporate this analysis into the planning process for projects.	This analysis process is now incorporated into the practices of the Public Works Department.	
	15 C – Participate in implementing the Strategy for Greening and Biodiversity.	To incorporate the Strategy into the local planning process.		

The following table reviews the local actions for the SPSP in 2013, in accordance with Orientation 3. Practice Responsible Resource Management.








ORIENTATION 3. PRACTICE RESPONSIBLE RESOURCE MANAGEMENT







Status	Actions	Goals	Results	Recommendations
 	17 C – Install devices to save on drinking water in municipal buildings.	15% of municipal buildings per year.	All plumbing fixtures in washrooms in municipal buildings were replaced. Three park chalets remain to be done in 2014.	
	20 C – Obtain certificates of water quality assessment for drinking fountains.		The Borough chose to replace the two fountains at Borough Hall. The model selected filters the water and displays the number of disposable bottles saved.	
	21 C – Create a Guide on Eco-Responsible Practices for Borough employees.		A survey was taken among employees in 2012. It was agreed that actions to raise awareness would be undertaken rather than the adoption of a guide. However there were no actions to raise awareness for employees in 2013.	Actions to raise awareness are to be planned for 2014.
	22 C - Equip municipal buildings and park chalets with recycling bins.	To improve the visibility of disposal points and install recycling bins in 6 chalets.	6 park chalets were equipped with recycling bins during 2013.	
	23 C - Evaluate the possibility of offering collection of recyclables to businesses and industries.	To evaluate the possibility of offering recycling services to businesses and industries.	Waiting for additional budget from the Ville centre for this action.	
	24 C - Equip municipal building with re-useable crockery for use at events of all sizes.	50% of buildings in 2013, 75% of buildings in 2014 and 100% in 2015.		

The following table reviews the corporate actions in 2013 for the SPSP according to Orientation 4. Adopt Solid Sustainable Development Practices In Industries, Businesses and Institutions.



ORIENTATION 4. ADOPT SOLID, SUSTAINABLE DEVELOPMENT PRACTICES IN INDUSTRIES, BUSINESSES AND INSTITUTIONS

Status	Actions	Goals	Results	Recommendations
	26 C – Develop a tool to help in decision-making, based on the principles of sustainable development.	To consider all aspects of sustainable development in the decision-making process.	<p>A poster was prepared to remind everyone of the principles for sustainable development. It is posted in all of the Borough's meeting rooms.</p> <p>A detailed chart to analyze projects was prepared and must be approved by the Borough Council.</p>	Have the tool validated by the heads of departments.
 	27 C – Hold meetings periodically for teams working on projects.	To hold a start-up meeting for each project involving more than one Borough department or division.	Several pre-project and project meetings were held among the various Borough departments.	
 	28 C – Publicize the Borough's actions on sustainable development through the media to provide residents with more information.	To insert the news in the local media about sustainable development on a regular basis.	To inform its residents about its actions for sustainable development, the Borough chose to post this information on its Web site, via its Twitter account, in the Life in Pierrefonds-Roxboro magazine, through press releases and in announcements on the Borough's electronic billboards.	Continue these publications.



Status	Actions	Goals	Results	Recommendations
 	29 C – Add a section devoted exclusively to sustainable development to the Life in Pierrefonds-Roxboro magazine.	To insert a section in the magazine.	Since the adoption of the SPSP, 8 issues of the Life in Pierrefonds-Roxboro have been published and in each there was an article in the sustainable development section.	Continue these publications.
 	34 C – Development of activities for people with functional limitations.	To continue integrating users each summer.	One user from the Centre Bienvenue helped in the maintenance of the East Community Centre during the summer in 2013.	
 	36 C – Participate in meetings of the Partners' Network for the Montreal Community Sustainable Development Plan on the themes of certification and environmental programs.	To participate in all the meetings.		



The following table reviews the local actions for the SPSP in 2013, in accordance with Orientation 5. Improve the Protection of Biodiversity, Natural Environments and Green Spaces.



ORIENTATION 5. IMPROVE THE PROTECTION OF BIODIVERSITY, NATURAL ENVIRONMENTS AND GREEN SPACES

Status	Actions	Goals	Results	Recommendations
 	37 C – Contribute to establishing and implementing a collaborative platform of information on biodiversity.		Waiting for directives from the Ville centre.	

CONCLUSION

In conclusion, in terms of the local component, 53 actions were planned for implementation in 2013. 62% of those have been accomplished, partially accomplished or are underway. 12 actions have been postponed until 2014.

The Borough's performance in carrying out the actions in the corporate component of the SPSP is better than that for local actions, as 73% of them were accomplished or are underway. Only four actions have been postponed until 2014.

In brief, the Borough is beginning the third year of carrying out its SPSP with great optimism. The major files to be followed in 2014 are the planning for the Borough's central sector, the detailed planning of the TOD areas, management of waste materials, improvements to active transportation links and increasing the points of access to Rivière des Prairies.

