

2012 REVIEW Strategic Plan for Sustainable Development

60266351 | February 2013





A WORD FROM THE MAYOR



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

This is the challenge that the Borough of Pierrefonds-Roxboro has set itself.

During the concerted effort made by the members of the Council and the Borough's administrators, in collaboration with consultants in this field, we were able to identify the actions we must take today in order to put sustainable development fully into practice.

The implementation of a Strategic Plan for Sustainable Development has raised a number of challenges.

We are very pleased that the Borough's employees have all endorsed this concept.

We are counting on Pierrefonds-Roxboro residents to participate, and we wish to persuade the greatest possible number of organizations, businesses and institutions to support our objectives and adopt best practices in managing sustainable development, so that future generations may benefit from our actions.

All things considered, sustainable development in the Borough of Pierrefonds-Roxboro is an on-going project. We thank everyone who is participating in this major social undertaking for the well-being of all their fellow residents.

This is the heritage we will leave behind!

Monique Worth, Borough Mayor

A handwritten signature in black ink that reads "Monique Worth".



A WORD FROM THE BOROUGH DIRECTOR



Pierrefonds-Roxboro's Strategic Plan for Sustainable Development was drawn up in the framework of a participative process, demonstrating exemplary collaboration among elected officials, employees, community organizations and residents.

As a result of this approach, our employees took over the Strategic Plan for Sustainable Development and involved themselves in it, each in his own field of competence, in order to carry out the various actions.

Aware of the interest shown towards the environment and sustainable development by our employees, the Borough of Pierrefonds-Roxboro administrators decided to develop and reinforce this trend by forming a Follow-up

Committee with representatives from all departments and divisions in the Borough.

Thus, each administrative entity delegated one or more representatives specifically voluntaries to participate in implementing actions and in reaching the objectives for sustainable development.

Management thanks all employees who have contributed to defining a sustainable future for coming generations!

Jacques Chan, Borough Director



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1. INTRODUCTION

The Strategic Plan for Sustainable Development (SPSD) for Pierrefonds-Roxboro is daring, reflecting the desire of the municipal administration to change the way in which it does things and to turn towards sustainable practices.

These changes in practices necessitate questioning the established order, and involve changing the internal management of the Borough, in practices associated with the land-use planning and with the offer of services to the population in terms of culture, leisure activities and entertainment.

Pierrefonds-Roxboro's Strategic Plan for Sustainable Development is divided into 103 actions, of which 37 have to do with the Borough's internal practices (corporate aspect) and 66 with municipal administration and Borough partners (local aspect).

While drawing up the Strategic Plan for Sustainable Development, the Borough's partners and employees formulated a vision for the future. This common vision for sustainable development in Pierrefonds-Roxboro for 2011-2030 is as follows:

"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."



1.1 METHODOLOGY

The 2012 Review allows the evolution of actions for the Borough's Strategic Plan for Sustainable Development to be monitored. When the Plan was drawn up, indicators were established for each action, in order to measure progress towards meeting the objectives for sustainable development. Throughout the year, data associated with these indicators were gathered by the Borough departments and then compiled by the president of the Follow-up Committee.

1.2 FOLLOW-UP ON ACTIONS

The first action in the SPSP was to set up a committee to monitor the corporate and local actions in the Plan. Under the leadership of the Borough Director, the Follow-up Committee was formed by resolution of the Borough Council. Composed of the Mayor, the Borough Director (who is also the committee president), directors of the departments and certain employees, the committee met three times during 2012, in January, May and October.

At the first meeting, a person was selected to be responsible for each of the 2012 actions, and deadlines for the current year were established.

1.3 PARTNERS COMMITTEE

A Partners Committee was also formed at the beginning of 2013 to ensure continuous communication with the Borough partners. The partners invited to become members of the committee are the same people as those who participated in drawing up the SPSP.

The Partners Committee will meet once a year, usually in January. The committee's objectives are as follows:

- Present the review for the previous year, identify the successes and the challenges;
- Discuss the review amongst members of the Partners Committee;
- From among the actions included in the SPSP, determine the priority actions for the current year;
- Identify methods and means for carrying out these actions;
- Identify, as needed, any actions that should be added to the SPSP;
- Invite the partners to share the actions and the successes in sustainable development for their respective organizations.



2. SUCCESSES FOR THE BOROUGH

The Borough of Pierrefonds-Roxboro has every reason to be proud of its achievements during the first year of implementation of the SPSD. The challenges that awaited the Borough were numerous, and changes in mentality, and in the way of doing things, led to the development of new thinking in regard to sustainable development.

The successes presented in this section are:

- Achievement of actions that were not included in the SPSD, but that are in line with its orientations and objectives;
- Achievement of actions that were included in the SPSD for future years, but as opportunities arose this year, were carried out in 2012.

Some success stories:

- Redevelopment of the parking area at Borough Hall
- Training drivers to drive ecologically (2014 action)
- Purchase of a Sprinter vehicle (2013 action)
- Construction of social housing - Centre Bienvenue
- Pilot project: Permits electronic processing system
- Purchase of electrical equipment for the horticultural team
- Reduction, Recovery, Re-use and Recycling: the 4R's
- Installation of two tanks for windshield washer fluid
- Reconditioning of two snow-plows instead of purchasing new ones
- Redevelopment of playground areas in two neighbourhood parks to favour universal accessibility



Redevelopment of the parking area at Borough Hall in terms of universal accessibility and sustainable development

The objectives of the redevelopment project were to rehabilitate the parking area at Borough Hall, re-design the western entrance to the building and improve the lighting, which was insufficient. This project was carried out in the fall of 2012, and was developed from the perspective of favouring universal accessibility while respecting the guidelines in the Strategic Plan for Sustainable Development for the Borough of Pierrefonds-Roxboro.

In terms of universal accessibility, the Borough of Pierrefonds-Roxboro is committed to making this a priority. Thus the re-design of the western entrance to Borough Hall includes the construction of an access ramp for persons with reduced mobility (2015 action in the SPSP).

Sustainable development: The parking area at Borough Hall was redeveloped in consideration of the objectives for reducing heat islands, reducing greenhouse gas emissions and better use of resources. What is more, with this redevelopment of the parking area, two actions in the SPSP that were planned for future years were achieved in 2012.

In short, here are the main features of the parking area redevelopment:

- Four double bike racks (eight bike parking spots) were added (2013 action);
- Installation of six “green” parking spaces with gratings and turf to favour natural absorption and help reduce heat islands;
- The Borough will become a partner in the Electric Circuit. Two parking spaces equipped with service points will be reserved for recharging electric vehicles (2013 action);
- Planting at the entrance to include deciduous shrubs, conifers, perennial flowers and grasses to replace annual flowers;
- Increase in the proportion of greenery and the number of trees by enlarging and expanding the central island with the planting of 22 trees and the addition of numerous planting beds filled with shrubs and grasses;
- Conversion of the existing lighting to energy efficient lighting (LED);
- Reduction in the length of parking spaces and in the width of access aisles to reduce mineral surfaces.



Site for bike parking



Access ramp, main entrance



Parking area with grating

Action 10 C – Train our drivers to drive ecologically (2014 action)

Last fall, 38 Borough employees took a training course in ecological driving. The objectives of this training were to reduce GHG emissions, save on fuel costs, reduce vehicle wear and tear and improve workplace safety.

Fuel yield may vary by as much as 35% depending on the driving style. This training was meant for any employee who drives a light or medium vehicle within or around urban centres.

This interactive training included the following activities:

- Driving techniques that can reduce fuel costs, lessen harmful emissions and improve the safety of road transportation;
- Preventive maintenance and other practices that can improve vehicle Performance and reduce wear and tear;
- The effects of fuel and emissions on our environment;
- Safe driving practices that reduce the risk of accidents.

Purchase of a Sprinter vehicle (2013 action)

The true cost of a vehicle goes well beyond the sticker price. Fuel and maintenance costs and the vehicle's retained value can all affect costs in the long term.

The purchase of this new vehicle will allow the Borough to reduce GHG emissions produced by its fleet of vehicles and to reduce fuel costs. This vehicle saves 17 litres per 100 kilometres: the Sprinter consumes an average of 18 litres per 100 kilometres compared to a vehicle of a similar type, which consumes an average of 35 litres per 100 kilometres.



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Social Housing Project - Centre Bienvenue

Centre Bienvenue is a community institution that offers services to a low-income adult clientele with mental health issues, on Montréal's West Island.

The Borough supported Centre Bienvenue in the adoption process for the construction of a new building intended to house a day centre on the ground floor and supervised social housing on the upper floors (20 apartments are planned). The building is currently under construction.

The development of supervised, affordable housing gives Centre Bienvenue the chance to offer the necessary tools for participants to be able to live independently in the future, without additional support. The objective for this social housing is to engage the target clientele in a process of social reintegration, while respecting their abilities, their strengths and their weaknesses. Residents will be able to depend on daily support from two caseworkers, specially trained to carry out the social re-integration project.

In addition to the project's social value, and the increased offer in affordable housing in the Borough, the architectural design of the Centre will raise the architectural quality of the sector.



Redevelopment of the playground areas in Grier and À-Ma-Baie parks in accordance with the principles for universal access

The Borough has redeveloped the playgrounds in Grier and À-Ma-Baie parks. The work involved being major, the Borough opted for the complete overhaul of the playground areas. In conformity with the Ville de Montréal's municipal policy for universal access, the planning stage for the design included access to the equipment for all clienteles.



Introduction of a permits electronic processing system – pilot project

As part of the recent digitalization of construction drawings, the Borough will be proceeding with the installation of tools to allow construction files to be accessed, managed and documented electronically. The Borough now has thousands of drawings in digital format accessible from workstations. The next stage consists of purchasing computerized equipment to increase administrative efficiency and thus lessen the amount of documents that need to be printed.

A pilot project for electronic permits was introduced in 2012 with the aim of full implementation of the system in 2013. The main features of the system are as follows:

- Allows the Borough to complete the implementation of the digitalization project while avoiding the need to digitalize annotated drawings in the future;
- Improves the process for approval of drawings and saves a lot of time and manpower in their handling. They will be stamped by means of a PDF document, which will be inserted on each page;
- Provides a computerized drawing board to employees visiting construction sites allowing them to upload or download any documents required for inspections, to annotate any deficiency directly on site and also to insert photos. It is also possible to work via a WiFi connection, in real time. This avoids the need to print drawings that are already digital, shop drawings, assembly drawings, etc.



Streetlamps equipped with solar panels

The Borough is working on integrating the principles for sustainable development and healthy use of resources into the design of its projects.

With this aim in mind, 20 streetlamps with solar panels will be installed as part of the rehabilitation of a portion of boulevard de Pierrefonds between rue du Château-Pierrefonds and rue du Palomino.



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Purchase of electrical equipment for the horticultural team

The horticultural team needed new work equipment. In line with the objectives of the SPSP, the choice was made to purchase battery-operated rather than gas-powered equipment. In addition to reducing GHG emissions associated with fossil fuels, electrical equipment is lighter, is easier to handle and the batteries are recyclable.



Reduction, Recovery, Recycling and Reuse: the 4R's

"The 4R's principle is the first principle of the *Politique québécoise de gestion des matières résiduelles* (Québec Residual Materials Management Policy). This policy is based on a hierarchy in the actions to be taken for the proper management of waste materials: Reduction at source, Recovery, Recycling and Reuse. Disposal of any end waste is obviously the last recourse." [Translation] *Recyc-Québec*

The Borough applied these principles when it carried out the following actions:

Installation of two tanks for windshield washer fluid

Two tanks for windshield washer fluid were installed in the Public Works yard for refilling the Borough's fleet of vehicles. This single act eliminates the consumption of 420 plastic containers per year.

Reconditioning of two snow plows instead of purchasing new ones

With the 4R's in mind, the Public Works Department decided to recondition two snow plows rather than purchasing new replacements. This saved a lot of money and also makes use of equipment that would have become obsolete over time.



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3. FOLLOW-UP ON LOCAL ACTIONS 2012

The section that follows presents each of the local actions in the SPSD that were planned to be carried out in 2012. When the SPSD was drawn up, budgetary considerations were not taken into account in the planning of actions. Thus during the first year of implementation, some actions proved to be too large in scope to be achieved in 2012.

Except in a few rare cases, the actions that were not accomplished this year have been postponed until next year.

The status of each action is indicated with the following symbols:

-  Action on-going
-  Action accomplished
-  Action partially accomplished
-  Action underway
-  Action postponed until 2013
-  Action replaced by another action
-  Action cancelled



The aim of doing a follow-up as part of the strategic planning process is to evaluate the implementation of the action plan, and measure progress in terms of the actions planned compared to the objectives set. The exercise is not static, and the implementation methods and the objectives may be revised - upwards to improve performance or downwards if the objectives planned at the outset prove to be unrealistic.

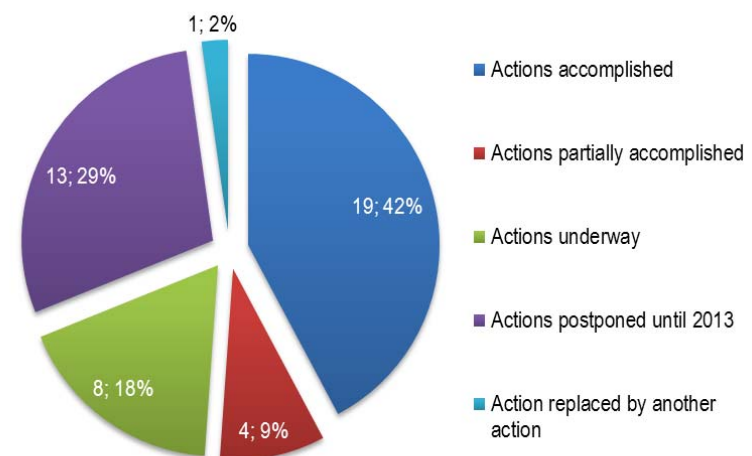
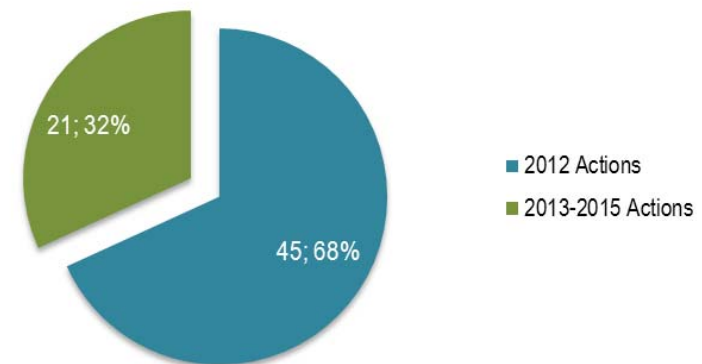
A large number of actions was deliberately planned for the first year to give a clear signal that implementation of the plan had begun. Thus 45 local actions were planned - an ambitious project given that the SPSD has only 66 local actions in total.

Of these 45 local actions for 2012, 26 are planned as on-going, in other words, they will recur each year of the SPSD, until 2015.

Just over half the actions (51%) were accomplished or partially accomplished by the end of 2012. 18% of the actions are still underway and should be completed by the beginning of 2013. It is therefore realistic to think that close to three-quarters of the actions will have been completed by the beginning of 2013.

One action was modified, but no local action was cancelled. 13 actions could not be implemented this year and they will begin in 2013 instead.

The following graph shows the general division of actions in terms of their progress.






The following table reviews the local actions for the SPSP in 2012, 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
	1 L – Set up an interactive platform to facilitate carpooling from the park-and-ride lot near the Borough Hall.	20 users per week.	20 Borough residents and two employees use the service.	Awareness activities are to be planned next year to promote awareness of the service and to encourage the public and employees to use the service.
	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).		As the service was only set up in October 2012, awareness activities among the partners will take place in 2013.
 	3 L – Support projects in the Transportation Plan.		Priority Measures giving buses and articulated buses priority were installed on the boulevard Saint-Jean axis, between boulevard de Pierrefonds and Autoroute 20.	
 	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).	In 2012, only one street was opened: Rue Paul-Pouliot. Sidewalks were installed on both sides of the street over 30% of its length.	
	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.		A regulatory amendment is about to be produced.



Status	Actions	Goals	Results	Recommendations
	9 L – Join 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.	<p>11 certificates of authorization were issued in 2012 for the conversion of wood stoves and fireplaces.</p> <p>It should be noted that the data are partial because they include only wood stoves or fireplaces that were removed. Data on residents who took advantage of the grants for upgrading their installations are not available at the time of writing this review.</p>	Continue advertising the program until March 31, 2013 or until the budgetary envelope is used up.



Action 1 L – Set up an interactive platform to facilitate carpooling from the park-and-ride lot next to Borough Hall

On October 15, 2013, Monique Worth, Mayor of the Borough of Pierrefonds-Roxboro, presented the new electronic platform for carpooling among the Borough's residents and employees. An incentive parking lot is situated close to Borough Hall at the intersection of boulevards de Pierrefonds and Saint-Jean. The site of the incentive parking lot is strategic, considering the opening of the bus lane on boulevard Saint-Jean, which has been in operation since the summer of 2012.

To determine the demand for such a service, a survey was taken among Borough employees, which demonstrated that the presence of an organized offer was the greatest incentive for carpooling, and that 64.9% of respondents said they were interested by the setting up of a Web platform unique to Pierrefonds-Roxboro.

The Borough then called on the services of the company COVOITURAGEMONTREAL Inc., which is responsible for maintaining the electronic platform and to proceed with partnering users. The company also offers awareness workshops during special events.

The Borough of Pierrefonds-Roxboro is the first in Montréal to offer this service.





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.

With the objective of improving air quality and reducing the use of wood heating (the main source of concentrations of fine particles in the air) in an urban setting, 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.

Thus 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. It was announced that the program would continue until March 31, 2013 or until the budgetary envelope is used up.

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






In 2012, 11 stoves and fireplaces were removed. As a permit is not required for updating the installations, the data are only partial because MDDEFP is not making the data public at this time.






The following table reviews the local actions for the SPSP in 2012, in accordance with Orientation 2. Ensure the Quality of Residential Environments.



ORIENTATION 2. ENSURE THE QUALITY OF RESIDENTIAL 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.	A comparative study of these regulatory measures is currently underway.	A regulatory amendment is currently in preparation and should be adopted soon after the beginning of 2013.
	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 comparative study of these regulatory measures is currently underway.	A regulatory amendment is currently in preparation and should be adopted soon after the beginning of 2013.
	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 soon after the beginning of 2013.
	14 L – Incorporate an accessible, safe, full training circuit, in a neighbourhood park.	To install a full training circuit.	The contract for this project was not awarded, as the bids received were not in conformity. The work has been postponed until 2013.	






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 detailed cost sheet is also being prepared.</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 2013 completion date is expected.</p>	<p>A regulatory amendment is currently in preparation and should be adopted soon after the beginning of 2013.</p>
	17 L – Plan rights-of-way along Rivière des Prairies when creating new subdivisions or on proposed subdivisions on the banks.		A comparative study of these regulatory measures is currently underway.	



Status	Actions	Goals	Results	Recommendations
	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 opportunities arose in 2012.	
	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.	Just one measure was installed in 2012: rue des Maçons to make access to the park safe.	An analysis of the safety of parks and schools could be done to determine a more detailed action plan for this action.
	20 L – Plant more trees in public areas.	To plant 150 trees per year.	108 new trees were planted this year in the public domain, not including the trees planted on streets and paid for by the developers. 42 trees were included in the contract for parks, which could not be carried out due to the rejection of the bid for reasons of non-conformity.	
	21 L – Authorize alternative parking on local streets in all new sectors of development.	To allow on-street parking for all new local thoroughfares.		
	23 L – Promote underground parking in new development projects.	To make underground parking mandatory in new buildings with 30 or more dwelling units.	A comparative study of these regulatory measures is currently underway.	A regulatory amendment is currently in preparation and should be adopted soon after the beginning of 2013.
	24 L – Continue participation in Les Fleurons du Québec.	To encourage stores and businesses to improve the quality of their landscaped areas.	In 2011, the Borough not only kept its “fleurons”, but acquired a new one too! The next appraisal will take place in 2014.	








Status	Actions	Goals	Results	Recommendations
	25 L – In partnership with the Conseil régional de l'environnement de Montréal, proposed greening project for the largest heat islands in the Borough.	To remedy 1 major heat island each year.	<p>In the central sector of the Borough, an island of greenery of approximately 500 m² was added to the parking lot at Borough Hall, with the planting of 22 trees and six green parking spaces.</p> <p>The reserved lane project in the study for the sector formed by the intersection of boulevards Gouin and de Pierrefonds includes a median. The Borough will prepare a landscaping proposal for the greening of this median by adding trees and planting, and submit it to the Ville centre.</p>	Mandate Éco-quartier to carry out this action.
	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.	The development plan was not completed in 2012. It seems the issues with boulevard Gouin are complex: original route is difficult to identify, rights-of-way are unequal and very narrow in places, overhead power lines, etc.	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.	A comparative study of these regulatory measures is currently underway.	A regulatory amendment is currently in preparation and should be adopted soon after the beginning of 2013.



	<p>28 L – Develop a participative and representative environment for living, by means of dynamic and innovative programming.</p>	<p>To improve the service offer.</p>		<p>Improvements in the service offer specifically in 2 sectors in 2012:</p> <ul style="list-style-type: none"> - Cultural: increase in the number of shows (staging/broadcasting) in the summer and fall/winter programming. In addition, staging of shows in the auditorium at Théâtre Beaubois (improvements to the site for presenting our shows). Putting in place new interventions for cultural coordination with youth centres. Setting up programming for exhibitions open to the public. - Sports and leisure: increase in the service offer in public courts. Increase in the number of mass activities offered to the population.
	<p>29 L – Develop programming and promote participation by the population in a series of free activities for all.</p>	<p>Two activities a year in 2012.</p>	<p>Canada Day. Family skating activity as part of the Winter Fun program.</p>	



Status	Actions	Target	Results	Recommendations
	30 L – Draw up a master plan of sports and recreational facilities, including projections for development in the Pierrefonds-Ouest sector.	To adopt a master plan.	Preparation of the master plan is almost complete; it will be submitted to Borough Council in February 2013.	
	33 L – Prepare an action plan for safety in urban environments.	To adopt an action plan for safety in urban environments in 2012.	The plan for safety in urban environments is complete; it will be presented to Borough Council at the session in January 2013.	
 	34 L – Maintain the Public Safety Patrol and promote the training of first responder among patrollers.			Any patroller who has not taken a first responder training course should do so in 2013.
	37 L – Promote urban agriculture in schoolyards.	1 vegetable garden every two years.	A vegetable garden was made on the grounds of École Harfang-Des-Neiges, Lauzon Pavilion.	

24 L – Continue to participate in Les Fleurons du Québec

In August 2011, the appraisers from Les Fleurons du Québec criss-crossed the Borough to assess the territory's horticultural decor once again.

Having received the classification *3 fleurons* in the 2008-2010 edition, the Borough was delighted to learn that the efforts made by residents, merchants and institutions to embellish the Borough had borne fruit. Thus the Borough obtained a *4 fleurons* result out of a possible 5 for the 2011-2013 edition, a testament to remarkable horticultural embellishment in a majority of the fields (municipal, residential, commercial and institutional). Thus we could say that Les Fleurons du Québec was very likely a source of motivation to encourage residents and the municipality to improve the horticultural and landscaped environment while respecting the principles of sustainable development.



33 L – Prepare an action plan for urban safety

The Borough of Pierrefonds-Roxboro now has its own action plan for urban safety. Prepared in partnership with West Island Youth Action and the International Centre for the Prevention of Crime (ICPC), the action plan for urban safety was prepared by way of the following steps:

- Analysis and diagnosis of urban safety in Pierrefonds-Roxboro;
- Inventory of preventive actions to be taken on the Borough's territory;
- Setting up a working committee on safety in consultation with the Urban Safety Board;
- Drawing up of the new action plan by the ICPC in collaboration with Borough partners;
- Proposal for mobilization strategies for area partners;
- Prioritization of actions to take to meet the needs identified;
- Proposal for strategies for the dissemination of the action plan.



30 L – Draw up a master plan of sports and recreational facilities, including projections for development in the Pierrefonds-Ouest sector

The master plan of cultural, sports and recreational facilities defines the priorities for actions in the future, so that they represent the challenges specific to the Pierrefonds-Ouest sector. The master plan included the planning of priority interventions over a 10-year period, based on an assessment of the current situation and an analysis of future needs.

Heedful of meeting the needs of its population in terms of services for sports and leisure, the Borough decided that this type of planning was required, considering the projected population increase resulting from the construction of the Pierrefonds-Ouest sector. The steps in preparing the plan were as follows:

- Inventory and evaluation of cultural, sports and recreational installations;
- Identification of needs;
- Preparation of a vision for development;
- Public consultation;
- Preparation of the master plan.



37 L – Promote urban agriculture in schoolyards

With a view to sustainable development, École Harfang-Des-Neiges, Éco-quartier Pierrefonds-Roxboro and Maison des jeunes A-Ma-Baie officially opened a **planter vegetable garden with water tanks**.

This vegetable garden is a joint project carried out with the participation of several partners, such as the CRE Montréal, the Commission scolaire Marguerite-Bourgeois and Kino Québec. Thanks to their contribution, fruits, vegetables and herbs were planted and harvested for educational purposes and to promote health and food safety.

Two rainwater collection barrels are connected directly to the building's gutters and downpipes to irrigate the planters. Using this system, 12,000 litres of water can be recuperated each year.

Éco-quartier is also associated with **École Lalande**, in the Roxboro neighbourhood, for gardening with 3 classes and their teachers in the vegetable garden behind Éco-quartier. A facilitator was hired to accompany, bring awareness, inform and support the new participants in all the planting stages. During the summer vacation, the blue and green patrols, volunteers and Éco-quartier employees maintained the garden until the children returned to school.

Éco-quartier and the **Carrefour Cloverdale Multi-Ressources** also carried out several awareness activities for parents and children about balcony vegetable gardens. Éco-quartier was pleased to provide advice to parents by writing an article in its monthly newsletter about creating balcony planters.

















Source: éco-quartier Pierrefonds-Roxboro





Source: éco-quartier Pierrefonds-Roxboro

The following table reviews the local actions for the SPSP in 2012, in accordance with Orientation 3. Practice Responsible Resource Management.

<div>  ORIENTATION 3. PRACTICE RESPONSIBLE RESOURCE MANAGEMENT </div>				
Status	Actions	Goals	Results	Recommendations
 	38 L – Participate in information campaigns on the use of drinking water.	2 activities per year. Blue Patrol.	Distribution of rainwater barrels. Éco-quartier sold several fixtures for economizing on drinking water. Hiring of 2 students over the summer for the Blue Patrol.	
 	39 L – Ensure that the By-law on the illicit use of drinking water and the ban on watering is respected.	To increase the number of patrols.		
	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 do now incorporate optimal management practices for rainwater, for example: <ul style="list-style-type: none"> - The project “Les habitations du Cap-Saint-Jacques” in the west of Pierrefonds where the streets are designed with green infrastructures for capture; bio retention, drainage ditches, filter strips, retention basins. This project is awaiting the approval of the MDDEFP. - Rue Tessier, a project to upgrade 	

Status	Actions	Goals	Results	Recommendations
			the street by constructing ditches using the new practices. Project is already approved by the MDDEFP and will be carried out in 2013.	
 	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.).	140 rainwater barrels were distributed through a grant from Fonds Éco IGA and Earth Day.	
	43 L – Disconnect sump pumps from the sanitary sewer system (pilot project).		The Borough is waiting for a directive from the Service de l'eau of the Ville centre.	
	44 L – Correct reversed connection situations.	24 detected in 2010; to rectify 100% of the connections identified.	7 connections were corrected this year. However, several obstacles made reimbursement of the work difficult, which resulted in delays in the correction work. The Borough is currently in talks with the Ville centre to rectify the situation.	
	45 L – Prevent reversed connections in new housing projects.	To adopt a regulatory measure and change the intervention procedures.	No bylaw has yet been adopted, but a specific clause to avoid reverse connections was incorporated into an agreement protocol with the developer.	A standardized clause should be automatically incorporated into the agreement protocol with developers to avoid these situations.
 	47 L – Continue distributing domestic composters.	To distribute 100 or more composters per year.	100 domestic composters were distributed. At the distribution event on June 13, 2012, how-to information was also offered to Borough residents.	
	50 L – Introduce measures for recovering used batteries in all municipal buildings accessible to the public and publicize the stores that recover certain Household	To equip all buildings accessible to the public with containers in which residents may deposit their used batteries.	Instead, the Borough chose to publicize the stores in Pierrefonds-Roxboro that recover this type of waste. Éco-quartier participated in the new	



Status	Actions	Goals	Results	Recommendations
	Hazardous Waste items.		<p>program Appel à recycler by Recyc. Québec.</p> <p>Boxes are on site for recovering all batteries for domestic use.</p> <p>The two fire stations that serve the Borough are part of the network of fire stations that collects used batteries.</p>	
 	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.	This action was not undertaken in 2012, but will be in 2013.	Information sessions are offered for a better understanding of how to manage events eco-responsibly. It would be interesting to mandate a Borough employee to follow one of these sessions.

38 L – Participate in information campaigns about the use of drinking water

Pierrefonds-Roxboro's **Eco-quartier** distributed and sold 50 low-flow bathroom aerators, 170 rainwater barrels, 13 toilet fill cycle diverters, 11 shower hourglasses, 10 toilet tank bags and several other products. It is estimated that all these measures saved 3,073,028 litres of drinking water in 2012.

Blue Patrol activities continued again this year. For four weeks, the Blue Patrol - small team of two students - criss-crossed the Borough to raise awareness among Borough residents about efficient ways to save drinking water. Our patrols reached 1,201 residents, distributed 1,225 leaflets and visited 182 homes, public and private institutions, day camps and schools.

42 L – Raise residents' awareness of the ecological management of rainwater, and motivate them to use measures to save rainwater (e.g., rainwater barrels, replacing hard surfaces, rain gardens, ecological maintenance of ditches, disconnecting gutter downpipes)

On July 20, 2012, residents of Pierrefonds-Roxboro were invited to purchase a rainwater barrel at a reduced price of \$30. This project was made possible through funding from Fonds Éco IGA.

Éco-quartier distributed 140 barrels as part of this environmental project. These allowed residents to help save drinking water and to put rainwater to good use for gardening and lawn watering.

As the program was so successful, **éco-quartier**, with the support of Coca Cola, distributed 30 extra barrels at the reduced price. This meant an extra saving of 180,000 litres of water.





The following table reviews the local actions for the SPSP in 2012, 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.		The Borough supported Les Entreprises Environnementales de Pierrefonds inc. in adopting “different methods” to allow an existing building to be re-used, and encouraged the establishment of an environmental company.	
 	57 L – Promote the construction and renovation of greener buildings according to recognized standards (LEED, BOMA-BEST, Novoclimat and others) in the territory.		This action has been postponed until 2013.	Training of employees in this matter.



53 L – Encourage the creation of environmental companies and support them in their business development

Les Entreprises Environnementales Pierrefonds inc. (LEEP) has been operating an integrated management site for construction and demolition debris in the old quarry site since October 1999. The company also employs people from a social re-insertion program.

The company would have liked to add a sorting centre to its activities, by re-using and converting an existing building. The proposed building would however not have been in conformance with the National Building Code.

To encourage the company to pursue this and expand its activities, the Borough decided to support the company in a Request for different measure. The measure was approved and the project will be able to continue.









"A request for a different measure is an exception procedure since, as a general rule, the provisions set forth by the prevailing legislation must be applied.

The recourse to a different measure is not to be construed as a tolerance or a deviation procedure through which one may bypass complying with the Regulation. Any request which does not rest on valid reasons or meet with the purpose of the Regulation shall not be granted." – *Régie du Bâtiment du Québec*

The following table reviews the local actions for the SPSP in 2012, 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
 	59 L – Raise awareness in the population about the benefits of urban trees, and distribute indigenous tree seedlings.	<p>To participate in awareness campaigns.</p> <p>To continue distributing seedlings.</p>	<p>Éco-quartier in Pierrefonds-Roxboro distributed a total of 1,600 tree seedlings.</p> <p>Articles were published in the municipal magazine Life in Pierrefonds-Roxboro to raise awareness in the population about the benefits of urban trees.</p>	Continue activities for residents to raise awareness.
 	62 L – Continue to extend the program for cleaning the public riverbanks.	<p>4 to 5 km of public riverbanks cleaned annually.</p> <p>1 km more each year.</p>	2 activities organized by Éco-quartier [BC5]	Continue the program.
 	64 L – Encourage owners of waterfront properties to apply replanting measures to private sections of the riverbank.		This action has been postponed until next year.	<p>Produce awareness and information documents about river banks.</p> <p>Publicize these resources on the Borough's Web site.</p>
 	<p>66 L – Practice differentiated management of parks, green spaces and lots owned by the Borough</p> <p>Raise awareness in the population and the users of these spaces about the benefits of this type of management.</p>	To practice differentiated management of two parks, green spaces or lots per year.	The action has been postponed until 2013.	Put in place an action plan specifically for differentiated management of parks and green spaces in the Borough. Include explanatory boards on the sites.

The Ecological Gardening Day

The Borough, in partnership with Éco-quartier and the Société d'horticulture et d'écologie de Pierrefonds (SHEP) held its Ecological Gardening Day on June 2, 2012. Despite unfavourable weather, over 400 participants joined in the event. The day can be summarized as follows:

- 400 participants;
- 65 tons of compost;
- 5 tons of wood chips;
- 30 bags of asparagus and garlic bulbs (donated by the Pépinière de l'Ouest-de-l'Île);
- 40 packets of green and yellow beans (donated by Botanix-Cléroux et Frères);
- Clover seed (donated by la Ferme Québécoise);
- 1,000 perennial plants;
- 1,000 boxes of annual plants and flowers;
- 137 boxes of vegetables and herbs;
- Draw for 2 composters and 2 rainwater barrels;
- 100 tree seedlings (donated by Éco-quartier);
- Saving on drinking water with the Blue Patrol.

Several Borough partners were at the event and tended information and awareness booths on the following themes:

- Éco-quartier Pierrefonds-Roxboro;
- Société d'horticulture et d'écologie de Pierrefonds (SHEP);
- Ecological gardening and alternatives to pesticides;
- Emerald Ash Borer;
- Residual material collection;
- Ferme D-3-Pierres;
- Economizing on drinking water with the Blue Patrol.

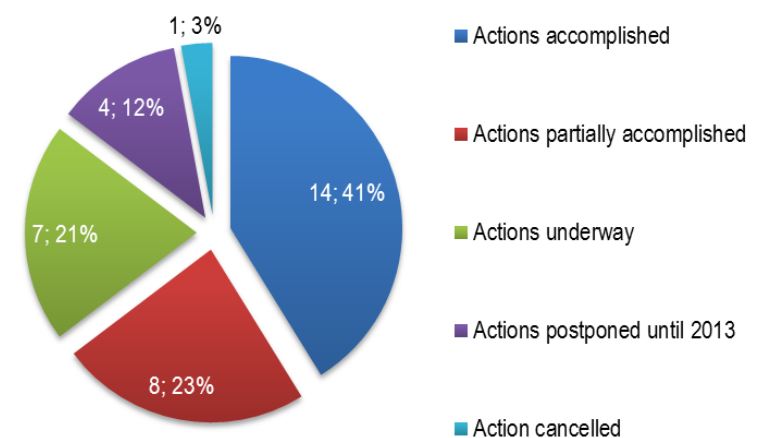




4. FOLLOW-UP ON CORPORATE ACTIONS FOR 2012







The first action in the corporate section of the SPSD was to set up a Follow-up Committee. The committee was set up and the Borough Director is acting as its chairperson. Three meetings were held during the first year, and a series of activities was implemented. In 2013, the mission of the Follow-up Committee will be modified slightly to add the organization of awareness activities for residents, businesses and employees. The setting up of a structure to exchange information meant that most of the corporate actions that had been planned for 2012 were accomplished.

28 actions were on the corporate agenda in 2012. Their progress is summarized as follows:









Upstream of the corporate actions for the SPSPD, the following four actions were to be implemented in 2012.

Status	Actions	Goals	Results	Recommendations
	1 C – Create a Follow-up Committee to implement the Strategic Plan for Sustainable Development for Pierrefonds-Roxboro.		The Follow-up Committee was created as of January 2012.	Continue with Follow-up Committee activities and meetings.
	2 C – Create a Partners Committee.		The Partners Committee will be created at the beginning of 2013. The goal of this committee is to be 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 – Pursue 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 Web site; - E-mail 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 Public Works Department was responsible for the Centraide campaign in 2012.</p> <p>The Borough also collected funds for the Red Cross, for the West Island Women's Shelter and for West Island Community Shares. A total of \$6,500 was collected in the fundraising campaigns overall.</p>	Put in place a strategy to increase participation by employees in the campaigns to raise funds.






The following table reviews the local actions for the SPSP in 2012, 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
 	5 C – Participate in the implementation of a plan to reduce the Montréal Community's GHG emissions.	Local objectives for GHG emissions specified in the plan.	<ul style="list-style-type: none"> - Purchase of more energy efficient vehicles; - Audit of the vehicle fleet; - Ecological driving course for several employees. 	
	6 C – Join the Allégo program and participate in awareness campaigns associated with public transit and carpooling.	Join the program (minimum 25 employees).	The Allégo program was replaced by Opus + (AMT) and Opus & Cie (STM). The Borough chose to join Opus & Cie. So far, 3 employees have joined the program.	Activities to promote awareness are to be planned by the Follow-up Committee for 2013 to encourage more employees to join the program.

The following table reviews the local actions for the SPSP in 2012, in accordance with Orientation 2. **Ensure the Quality of Residential Environments** [BC7]









ORIENTATION 2. ENSURE THE QUALITY OF RESIDENTIAL 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 incorporated in the practices of the Public Works Department.	
 	15 C – Participate in implementing the Strategy for Greening and Biodiversity.	To incorporate the Strategy in the local planning process.	Almost 80 deciduous and coniferous trees were added along the waterfront of the retention basin in Héritage-sur-le-Lac Park so as to create areas of shade on the latter and thus reduce the temperature in summer and increase the biodiversity of this ecosystem.	
	16 C – Execute an action plan specific to the sports, leisure, cultural and library sectors.	To adopt an action plan.	An action plan was adopted.	

The following table reviews the local actions for the SPSP in 2012, 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. In 2012, Borough Hall and the Marcel Morin Community Centre will be fitted with low-flow water fixtures.	The goal for this action was reached. All the plumbing fixtures in the washrooms at Borough Hall and at the Marcel Morin Community Centre were replaced.	The plumbing fixtures in the three park chalets should be changed next year.
	18 C – Include specifications for efficient fixtures in the specifications and call for tender documents under the responsibility of the Borough.	To modify specifications and call for tender documents.	The standard specification has been modified to include these specifications.	
	19 C – Ban single-use bottles of water in municipal buildings.		A directive was adopted by the general administration; in the framework of its normal activities, the Borough no longer purchases single use bottles of water.	
	20 C – Obtain certificates of water quality assessment for drinking fountains.		Water quality certificates were not obtained. The Borough is currently studying the possibility of replacing the fountains.	
	21 C – Create a Guide on Eco-Responsible Practices for Borough employees.		Survey taken among employees. For greater success in reaching the goal for this action, it was agreed that awareness activities would be undertaken rather than the adoption of a guide.	The Follow-up Committee will plan awareness activities to change the habits of Borough's employees.



21 C – Develop a Guide on Eco-Responsible Practices for Borough employees

One of the corporate actions in the SPSD was to develop a guide to eco-responsible practices for use by Borough employees. Instead, the Borough opted for a more participatory approach to replace the production of a guide.

First, an online survey was taken with the aim of understanding **why** employees have certain *bad habits*, in order to decide on an adequate response.

One out of every four employees completed the survey, and the results showed that a large number of them are already aware of eco-responsible practices.

The survey also identified certain ways to improve the habits of employees:

- Print fewer e-mails and improve document management (electronic documents instead of paper);
- Increase recycling in the Borough's offices;
- Place recycling containers in prominent locations (1 per floor);
- Make sure that computers are configured to print on both sides of the paper automatically;
- Reuse paper printed on one side only;
- etc.






To improve the habits of its employees, the Borough has chosen to hold several awareness activities for its employees in the years to come. The Follow-up Committee will organize these activities.











The following table reviews the corporate actions in 2012 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.	A chart was prepared during 2012. The Borough Council must approve the tool.	Department heads should validate the tool.
 	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.	Promotion of the SPSP is done through the use of banners outside Borough Hall. 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 newsletter.	Since the adoption of the SPSP, 4 editions of the Life in Pierrefonds-Roxboro have been published and in each there was an article in the sustainable development section.	Continue these publications. Borough Partners could publicize their successes in sustainable development via this section.
	31 C – Adopt a Responsible And Sustainable Procurement Policy.		This action proved to be impossible to carry out because procurement has been centralized in the Ville centre since the beginning of 2012.	
 	34 C – Development of activities for people with functional limitations.	To continue integrating users each summer.	Users of the Centre Bienvenue helped in the maintenance of the East Community Centre in the summer of 2012.	
	35 C – Participate in training activities for certification and environmental programs.	4 days of training (green energy, Novoclimat and LEED Green Associate (2 days)).	Participation in a training day about renewable energy sources. 3 building inspectors took a 2-day training course on tree felling in urban environments.	
 	36 C – Participate in meetings of the Partners' Network for the Montréal Community Sustainable Development Plan on the themes of certification and environmental programs.	To participate in all the meetings.	A meeting was held and the Borough was in attendance.	



The following table reviews the local actions for the SPSP in 2012, in accordance with Orientation 5. Improve the Protection of Biodiversity, Natural Environments and Green Space.



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

2012 is full of lessons learned and successes for the Borough of Pierrefonds-Roxboro for the first year of implementation of its SPSP. **The project was ambitious, and the Borough of Pierrefonds-Roxboro met the challenge!** Many of the ongoing actions were to be put in place in 2012, and a large number of actions were programmed.

In addition, the Borough and its partners have stirred up interest in the population for the SPSP as proved by the participation in the many awareness activities held.

Of course, some of the actions and measures implemented will have a greater impact in 2013, the second year of the plan, but one thing is certain: **2012 was a propitious year for changes, in thinking and in ways of doing things, that are aimed at sustainable practices.**