

Every action counts. Participate in the domino effect.

**MONTRÉAL'S FIRST  
STRATEGIC PLAN FOR  
SUSTAINABLE DEVELOPMENT**

2007–2009 Phase

Abridged version



Montréal 

## Production

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The production team wishes to thank the partners and city staff who contributed to this Action Plan.

[ville.montreal.qc.ca/developpementdurable](http://ville.montreal.qc.ca/developpementdurable)

On this site you will find:

- The full version of Montréal's First Strategic Plan for Sustainable Development (in French);
- A list of the partners committed to date to implementing the actions in the 2005-2006 Start-up Phase;
- Useful advice for making sustainable development part of your daily life;
- The *Domino* newsletter (in French);
- A virtual forum for discussing sustainable development issues, to be used by Plan partners.

Dear fellow Montrealers,



In adopting its *First Strategic Plan for Sustainable Development* in April 2005, Montréal made a clear commitment to the importance of sustainable development as a basis for the city's development. The results of the 2005-2006 Phase clearly show how the community has taken this cause to heart and the benefits generated by its actions.

In a society in which over 75% of people live in urban areas, implementing a sustainable urban development plan is a major challenge. Above all, it is an opportunity to position metropolitan Montréal favourably in comparison with other urban regions. These regions have not only become crucial poles of economic growth, but are also faced with major planetary issues: climate change, constantly growing demands on energy and water resources, and biodiversity loss. More specifically, the attractiveness of an urban region depends largely on its ability to solve problems relating to increasing road traffic, urban sprawl, access to green spaces and so on.



With the 2007-2009 Phase of the Plan, the municipal administration is confirming its commitment to sustainable development and reaffirming its role as a leader in identifying and proposing possible solutions. Renewed commitment by organizations and attracting new partners are essential to showing the interest and determination of social and economic players in Montréal in achieving this goal. The special nature of the Plan, and its success, lie in the commitment by public authorities and by partner organizations to developing and implementing the Action Plan.

In these pages we set out a number of actions proposed by the municipal administration to achieve the orientations and objectives of the Plan. We present some concrete contributions relating to these issues and illustrate the municipal administration's desire to take action now. These actions will not be carried out in a vacuum, however – many other policies and plans already incorporate them or will in future. The administration vows to do everything possible to ensure that Montréal's different municipal plans and projects are in line with sustainable development principles.

Since it is essential that the Plan be coherent and continue to be applied, the municipal administration and its partners have agreed on the importance of continuing and completing the actions undertaken in the 2005-2006 Phase. Accordingly, they have carried over the four priority orientations, and agreed to widen their scope.

For the municipal administration, the issue is simply vital: We want to ensure the city's prosperity, of course, but must do so in a healthy and pleasant environment. An environment that everyone will be proud to pass on to future generations.

To achieve these goals, we must be able to rely on strong partnerships and full community support!



**Gérald Tremblay**  
Mayor of Montréal



**Alan DeSousa, FCA**  
Executive Committee member responsible  
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# 1

## Background

## Definition of sustainable development

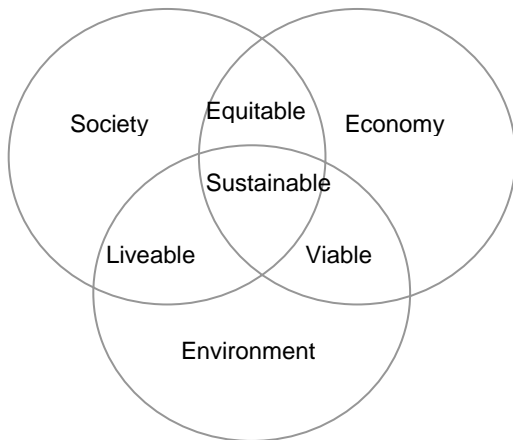
At a time when humanity is facing major challenges that include but also extend beyond environmental issues, some fundamental questions are emerging. How can we reconcile economic and social progress without jeopardizing the Earth's future? How should we distribute wealth between the rich and poor? What should we do to leave a healthy environment for future generations? The concept of sustainable development was invented to provide concrete answers to these questions.

**It is defined as “development that meets the needs of the present without compromising the ability of future generations to meet their own needs.”**

This concept was popularized in 1987 with the publication of the report entitled *Our Common Future* by the World Commission on Environment and Development (Brundtland Commission).

**Sustainable development entails economically efficient, socially equitable and ecologically sustainable development and rests on a new form of governance that encourages the mobilization and participation of all stakeholders in society in the decision-making process.**

**The three spheres of sustainable development**



## The basics of Montréal's First Strategic Plan for Sustainable Development

The goal of drawing up an initial strategic plan for sustainable development emerged from the Montréal Summit held in June 2002. Many organizations interested in sustainable development in the city committed themselves to working in collaboration with the city by abiding by the Policy statement by the Montréal community regarding sustainable development and promised to carry out certain specific actions.

*Montréal's First Strategic Plan for Sustainable Development* was adopted by the Montréal Executive Committee on April 20, 2005, and is spread out over a five-year period.

**The main characteristic of this Plan lies in the collective commitment of partner organizations, associated with the city administration, to use sustainable development as a foundation on which to build Montréal.**

The participation by a growing number of organizations in carrying out actions under *Montréal's First Strategic Plan for Sustainable Development* is proof of the growing interest and willingness on the part of socio-economic players to be part of a combined effort devoted to achieving sustainable urban development.

### The partners' challenge

At the beginning of 2007, our partner organizations were invited to achieve at least five actions, including one feature action, among the 36 proposed for the 2007-2009 Phase.

## Preparing the 2007-2009 Phase

As mentioned earlier, the close partnership formed with other players in the community is an original asset for the municipal administration. The process involved in preparing the 2007-2009 Phase was in keeping with the development of the Start-up Phase. Representatives of the main spheres of activity in the community and the municipal administration sat on the liaison and partner committees, assisting the municipal administration throughout the development process. The table below shows the main steps.

March – May 06	Organize the development process.	Development process
June 06	Liaison committee meets: Set guidelines to help define actions for the 2007–2009 Phase.	
June 06	Partner committee meets: Propose actions and general orientations.	
Summer 06	Develop proposed actions.	Development of the contents of the 2007–2009 Action Plan
August – Sept. 06	Experts meet: Develop a new featured action for each of the four priority orientations.	
September 06	Workshops with partners to decide on orientations: actions presented for each of the four priority orientations.	
September 06	Liaison committee meets: validate the preliminary proposal for the 2007-2009 Action Plan.	
October 06	Partner committee meets: present the preliminary proposal for the 2007–2009 Action Plan.	Public study
November 06	Public studies by the urban agglomeration commission on the environment, transportation and infrastructures.	
November 06	Recommendations by the urban agglomeration commission on the environment, transportation and infrastructures.	
March 07	Commitment by partners and adoption of the 2007-2009 Action Plan.	

## Orientations

*Montréal's First Strategic Plan for Sustainable Development* includes 10 orientations, four of which have been identified by partners as being priorities:

- Improve air quality and reduce greenhouse gas emissions
- Ensure the quality of life in residential environments
- Practise responsible resource management
- Encourage industries, businesses and institutions to adopt good sustainable development practices

Since it is essential to build on the work already done, the municipal administration and its partners agreed to extend these four priority orientations for the 2007-2009 Phase, and to use them as the focus for most of the actions. Some actions were also added for three other orientations, i.e.

- Improve protection of biodiversity, natural environments and green spaces
- Mobilize Montréal organizations and residents to work toward sustainable development of the metropolitan area
- Offer residents municipal services and environmental regulation in a spirit of equity

## 2007–2009 Actions

Following the success of the Start-up Phase, the municipal administration and its partners are renewing their commitment to sustainable development with the implementation of 36 actions for the 2007-2009 Phase (as compared with 24 for the Start-up Phase). They have decided to consolidate the actions to which they committed themselves in the Start-up Phase and undertake some new broader-based actions.

**Seventeen actions from the Start-up Phase will be maintained in the 2007–2009 Phase and 19 new ones have been added.**

The implementation of 22 actions involves the cities and towns making up metropolitan Montréal as well as its partners; 14 additional actions are the sole responsibility of the municipal administration, depending on jurisdiction.

The integration of social, economic and environmental dimensions is one of the basic principles of sustainable development, and so the partners wanted the plan's actions to reflect them more explicitly. The annual reports to be produced for the 2007-2009 Phase will contain more detailed information on the benefits for these three dimensions and their interdependence.

For some actions in the 2007-2009 Phase, it was impossible to come up with exact details on municipal contributions – for instance in terms of transportation and waste management. These themes are addressed in municipal plans that had not been adopted as yet when the 2007-2009 Action Plan was drawn up. Once these other plans have been adopted (e.g. the Transportation Plan and a master plan for waste management), it will be possible to specify the municipal contribution to the actions in question.


### New actions

Some of the new actions in the 2007-2009 Phase are actions from the 2005-2006 Start-up Phase, now with a broader reach. In other cases the new actions were not part of the previous Action Plan and are original additions to the 2007-2009 Phase.

The following table summarizes the 2007-2009 Phase of the Plan. It highlights the actions involving the priority orientations and the three other orientations. Four of the new actions have been identified as “feature actions,” described as actions that integrate in a special way the three dimensions of sustainable development and that may be implemented by a variety of organizations. The municipal administration is calling on its partners to integrate these “feature actions” into their activities. Farther on in this plan, each of the actions in the 2007–2009 Phase will be described in detail in a separate sheet.



## Actions IMPROVE AIR QUALITY AND REDUCE GREENHOUSE GAS EMISSIONS

	2.1	Eliminate unnecessary vehicle idling. • <i>Implement the new by-law and create public awareness.</i>		●
	2.2	Reduce illegal outdoor parking spots in the city centre		
	2.3	Minimize automobile through traffic on Mount Royal (chemins Camillien-Houde and Remembrance).		
	2.4	Bolster cycling infrastructures. • <i>Continue to develop the Montréal-wide cycling network.</i> • <i>Develop infrastructures at enterprises.</i>		●
	2.5	Promote the development of car sharing.		
	2.6	Implement measures at the workplace to encourage sustainable transport (public transport, carpooling, cycling, walking).		●
New	2.7	Implement measures to reduce greenhouse gas emissions • <i>Adopt a corporate action plan to reduce emissions by 20%, by 2012, compared to 2002.</i> • <i>Implement a strategy that involves major industrial stakeholders.</i>		●
New	2.8	Continue the greening strategy involving fleet management and develop an advanced land transportation industrial cluster. • <i>Replace city's 500 sub-compact automobiles with energy-efficient vehicles and replace 106, six-cylinder, gasoline engine vans with four-cylinder engine vans, by 2011.</i> • <i>Use replacement fuels that show environmental value.</i>		●
New	2.9	Implement compensation mechanisms for carbon-neutral business travel. • <i>Join a compensation program for business air travel.</i>		●

## ENSURE THE QUALITY OF RESIDENTIAL ENVIRONMENTS

	2.10	Consolidate and multiply Quartiers 21 projects. • <i>Support financially, every year, at least two new locally innovative environmental projects and one project in line with Montréal's Integrated Urban Revitalization projects.</i>		●
	2.11	Multiply contact points with water. • <i>Make available at least five new contact points with water through new acquisitions along riverbanks, agreements or park development.</i>		
New	2.12	Reduce urban heat islands. • <i>Develop a greening strategy.</i> • <i>Carry out at least one greening project downtown.</i>		●
New	2.13	Promote clean and quiet residential environments.		●
New	2.14	Implement traffic mitigation measures. • <i>Develop a traffic policy and implement measures for residential streets, where transit traffic or speed affects the quality of life of residents.</i>		
New	2.15	Promote the development of urban agriculture in Montréal. • <i>Support residents wishing to become involved.</i> • <i>Use under-utilized residual spaces through agreements with major property owners.</i>		

## PRACTICE RESPONSIBLE RESOURCE MANAGEMENT

	2.16	Adopt a Master Plan for waste management.		
	2.17	Implement waste reduction and recovery measures in institutions, businesses and industries.		●
	2.18	Implement waste reduction and recovery measures in parks and other public areas. • <i>Implement recycling collection in ten-or-so major parks.</i>		
	2.19	Implement drinking water conservation measures. • <i>Develop a policy and a by-law.</i> • <i>Install water meters at industries, businesses and institutions.</i> • <i>Carry out a program to detect leaks and evaluate network condition.</i> • <i>Rehabilitate water distribution and catchment networks.</i> • <i>Implement water-conservation measures in municipal buildings.</i>		●

	2.20	Control illicit uses of water.		
New	2.21	Improve energy efficiency in buildings. • Carry out at least 30 energy-efficiency projects, three renewable-energy projects and one energy-efficiency project (construction or renovation) in municipal buildings.		●
New	2.22	Hold eco-friendly events.		●
New	2.23	Improve the quality of storm water flowing to water courses. • Remedy at least 10 situations involving storm sewer contamination.		●
	2.24	Extend the Éco-quartier program.		
New	2.25	Keep green waste and table scrap from ending up at landfills. • Implement yard and organic waste collections related to the adoption of a waste management master plan.		●
New	2.26	Put in place new ecocentres. • Set up at least one site to process an additional 10,000 tons of waste per year.		
<b>ENCOURAGE INDUSTRIES, BUSINESSES AND INSTITUTIONS TO ADOPT SOLID SUSTAINABLE DEVELOPMENT PRACTICES</b>				
	2.27	Launch an industrial design contest intended to reduce the quantity of waste treated.		●
New	2.28	Integrate sustainable development criteria in decision-making processes		●
New	2.29	Become a regional expertise centre for education of the United Nations University.		●
New	2.30	Promote social economics in Montréal. • Support social economic enterprises related in municipal actions.		●
<b>IMPROVE PROTECTION OF BIODIVERSITY, NATURAL ENVIRONMENTS AND GREEN SPACES</b>				
New	2.31	Ensure biological diversity management in urban environments. • Increase area of protected natural environments to achieve 8% protection of the Montréal territory.		●
New	2.32	Implement measures to protect and renaturalize riverbanks. • Restore riverbanks at Bellerive, René-Lévesque and Île-de-la-Visitation parks.		●
New	2.33	Sign a partnership agreement with the Secretariat of the Convention on Biological Diversity.		
New	2.34	Set up a Montréal centre on biological diversity.		
<b>MOBILIZE MONTRÉAL ORGANIZATIONS AND RESIDENTS TO WORK TOWARD SUSTAINABLE DEVELOPMENT OF THE METROPOLITAN AREA</b>				
	2.35	Take part in major environmental events.		●
<b>OFFER RESIDENTS MUNICIPAL SERVICES AND ENVIRONMENTAL REGULATION IN A SPIRIT OF EQUITY</b>				
	2.36	Harmonize solid waste management services. • Harmonize, over time, recycling, yard waste, dead leaves, Christmas trees and organic waste collections for every residential unit on the island.		

## Other municipal commitments in connection with the Plan orientations

A number of policies and plans adopted to date by the municipal administration refer to the orientations or objectives of *Montréal's First Strategic Plan for Sustainable Development*. The table below shows the orientations of the plan that are reflected in other municipal plans or policies.

Other plans and policies  <i>Strategic Plan orientations</i>	Master Plan	Transportation Plan – Vision and Objectives	Policy on the Protection and Enhancement of Natural Habitats	Tree Policy	Heritage Policy	Economic Development Strategy	Cultural Development Policy	Charter of rights and responsibilities	Public Consultation and Participation Policy	Montréal 2025	2007-2010 cleanliness and maintenance plan
<i>Improve air quality and reduce greenhouse gas emissions</i>	✓	✓		✓						✓	
<i>Ensure the quality of residential environments</i>	✓	✓	✓		✓	✓	✓	✓		✓	✓
<i>Practise responsible resource management</i>	✓							✓			
<i>Encourage industries, businesses and institutions to adopt good sustainable development practices</i>											✓
<i>Mobilize Montréal organizations and residents to work toward sustainable development of the metropolitan area</i>								✓	✓		✓
<i>Support the actions of stakeholders in education and awareness of the environment and sustainable development</i>											
<i>Offer residents municipal services and environmental regulation in a spirit of equity</i>	✓										
<i>Improve protection of biodiversity, natural environments and green spaces</i>	✓		✓	✓	✓			✓		✓	✓
<i>Encourage industrial development in keeping with sustainable development principles</i>											
<i>Consolidate residential and commercial development</i>	✓					✓				✓	

Many of these planning tools include objectives that tie in with sustainable development principles.

### ***Master Plan***

The *Master Plan* includes 19 goals:

- Improve the quality of established living environments.
- Encourage the construction of 60,000 to 75,000 new housing units between 2004 and 2014.
- Consolidate and develop Montréal's territory in relation to existing and planned transportation networks.
- Confirm the strategic role of freight transportation through the consolidation of existing infrastructure.
- Enhance the Centre's metropolitan, national and international vocation.
- Increase the Centre's residential vitality.
- Strengthen the Centre's coherence and overall urban character
- Consolidate employment areas by attracting dynamic firms and improving transportation links.
- Diversify and reinforce activities at the Centre's periphery in order to support the more intensive use of existing infrastructure.
- Promote the development of major institutional employment areas while ensuring their integration with the urban fabric.
- Enhance Mount Royal, the island character and other major features of the City's identity.
- Promote quality architecture and consolidate the built environment in harmony with the surrounding character.
- Upgrade the public realm through coherent design of streets and other public spaces.
- Ensure the positive contribution of large transportation infrastructures on the urban landscape.
- Preserve and enhance the built and archaeological heritage.
- Preserve and enhance the natural heritage.
- Ensure the optimal management of resources in an urban context.
- Mitigate the nuisances caused by urban activities.
- Control development in areas with environmental constraints.

Source: Master Plan (2004)

### ***Transportation plan – vision and objectives***

The vision of the transportation plan is supported by strategic objectives that describe its underlying general intentions:

- Improve the competitiveness and accessibility of public transit;
- Encourage active transportation;
- Reduce reliance on automobiles and encourage more thoughtful use of automobiles;
- Manage the amount of parking in keeping with the Plan's transportation and development orientations;
- Optimize the use of the road and highway network;
- Increase the use of intelligent transportation systems so as to optimize the transportation system;
- Improve the information provided to transit system users;
- Meet Montrealers' needs in terms of intercity travel;
- Meet the supply, delivery and service needs of Montréal businesses;
- Support Montréal's role as a hub of freight transportation;

- Use the transportation system to enhance and promote Montréal's image;
- Use the transportation system as a tool for structuring and enhancing urban spaces;
- Ensure that the transportation system fits smoothly into the urban fabric;
- Ensure that local streets in residential areas are quiet and safe;
- Reduce the impact of transportation on quality of life and health;
- Improve the safety of the transportation system;
- Ensure that the freight transportation system fits smoothly into the urban environment;
- Reduce emissions of pollutants and greenhouse gases, in accordance with Montréal's First Strategic Plan for Sustainable Development;
- Reduce consumption of resources, with respect for sustainable transportation principles;
- Optimize existing infrastructure and services;
- Develop the transportation system in keeping with needs, resources and economic viability;
- Develop co-operative mechanisms between transportation partners and with the public;
- Ensure sufficient and continuing funding for the transportation system.

Source: Plan de transport – Vision et objectifs (2005)

### ***Policy on the Protection and Enhancement of Natural Habitats***

This Policy targets protection of a total of 8% of the island area under City jurisdiction, including 6% of land sites. It has three objectives:

- Maximize biodiversity and increase aggregate hectareage of protected natural habitats in Montréal;
- Ensure the sustainability of natural habitats in existing City parks and promote the consolidation and viability of park ecosystems;
- Foster enhanced integration of ecosystems and natural landscapes in built-up areas.

Source: Policy on the Protection and Enhancement of Natural Habitats (2004)

### **Metropolitan waste management plan (PMGMR)**

The PMGMR sets waste recovery objectives for every local authority on the territory of the Montréal Metropolitan Community.

Type of material	Percentage recovery in 2001	Percentage objective
Paper	28	60
Cardboard	21	60
Glass containers	27	60
Ferrous metal	19	60
Aluminum containers	7	60
Rigid plastic containers	16	60
Returnable containers	75	80
<b>Recyclables – subtotal</b>	<b>27</b>	<b>61</b>
Food scraps	0.3	n/a
Grass and leaves	13	n/a
<b>Compostable materials – subtotal</b>	<b>7</b>	<b>60</b>
Oil, paint, pesticides	46	75
Other HHW	15	60
<b>HHW – subtotal</b>	<b>28</b>	<b>67</b>
Textiles	17	50
Bulky items	32	60
Other waste	0	0
<b>Total</b>	<b>17%</b>	<b>60%</b>

Source: Plan métropolitain de gestion des matières résiduelles (2006)

Other municipal programs also encourage residents to adopt more environmentally friendly behaviour, in addition to improving the living environment.

### **2007-2010 cleanliness and maintenance plan (OpérationMontréal.Net)**

One of these programs, OpérationMontréal.Net, is the administration's main tool for making Montréal a cleaner and more attractive city. This program aims to change residents' behaviour, by:

- Encouraging and organizing cleanup drives, in the spring and fall especially, in particular with the help of corporate citizens;
- Strengthening the partnership between the Eco-quartier offices and the boroughs, by offering the boroughs more specific annual protocols;
- Initiating an adoption program for shores, green spaces and small parks by residents and residents groups, corporations and other partners, so as to encourage public commitment and involvement;
- Supporting, with the help of community organizations such as the Eco-quartier offices and ZIPs (priority intervention zones), a program to clean up shorelines and reduce the dumping of trash;
- Putting more emphasis on coalitions of partners, residents and community organizations to counter the proliferation of graffiti on private and public property;
- Developing an internal communications campaign, in co-operation with the boroughs, aimed primarily at city employees, so as to encourage their civic pride and involvement;

- Preparing a two-pronged communications campaign for the general public: an explanatory aspect on the services offered by the borough and an incentive aspect on the civic role and responsibilities of every resident to treat the city like their home;
- Preparing an education, awareness and prevention program for schools, youth councils and other public institutions, including school boards.

Source: Programme de la propreté et de l'entretien 2007-2010 (Nov. 27, 2006)

# 2

## Detailed Action Plan for the 2007–2009 Phase

Feature actions are those with a broader scope, that integrate in a special way the three dimensions of sustainable development and that may be implemented through a variety of organizations.

## Priority orientation

### Improve air quality and reduce greenhouse gas emissions

#### Action 2.1

#### Eliminate unnecessary vehicle idling

##### **Municipal contribution**

- ✓ Ensure follow-up on the enforcement of the new by-law governing unnecessary vehicle idling on the island of Montréal.
- ✓ Increase employee awareness of the importance of not idling vehicles unnecessarily.

##### **Contribution by partners**

- ✓ Increase employee awareness of the importance of not idling vehicles unnecessarily.

#### Action 2.2

#### Reduce parking spots in the Centre

##### **Municipal contribution**

- ✓ Continue the implementation of the Action Plan to eliminate all illicit outdoor parking spots in the Centre by 2009.
- ✓ Develop and implement a parking policy, with objectives in line with the Transportation Plan.

#### Action 2.3

#### Minimize automobile through traffic on Mount Royal (Camilien-Houde and Remembrance)

##### **Municipal contribution**

- ✓ Continue the pilot project in 2007.
- ✓ Take steps described in the Mount Royal protection and development plan to reduce automobile traffic by 2009.

## Action 2.4

### Bolster cycling infrastructures

#### **Municipal contribution**

- ✓ Continue to develop the Montréal-wide cycling network by the end of 2009.
- ✓ Extend the installation of bike stands and try out new prototypes by the end of 2009.

#### **Contribution by partners**

- ✓ Install new bicycle stands by late 2009.
- ✓ Create infrastructures to encourage bicycle use (shelters, safe storage, lockers, showers, etc.).

## Action 2.5

### Promote the development of car sharing

#### **Municipal contribution**

- ✓ Continue the development of car sharing.
- ✓ Follow up on steps to promote car sharing.

## Action 2.6

### Implement workplace measures to encourage sustainable transport (public transit, carpooling, cycling, walking)

#### **Municipal contribution**

- ✓ Follow up on ALLÉGO measures in different employment settings in the municipal administration.

#### **Contribution by partners**

- ✓ Abide by the ALLÉGO approach.
- ✓ Continue to implement measures to encourage sustainable transport.

## Action 2.7

New action

## Implement measures to reduce greenhouse gas emissions

### Municipal contribution

- ✓ Conduct an annual inventory of greenhouse gas emissions by industry.
- ✓ Implement measures to reduce industry greenhouse gas emissions as part of an action plan setting a target for reducing greenhouse gas emissions.

### Contribution by partners

- ✓ Conduct an annual inventory of greenhouse gas emissions by industry
- ✓ Prepare an action plan setting a target for reducing greenhouse gas emissions.
- ✓ Implement the measures for reducing greenhouse gas emissions as described in this action plan.

### Contribution by major industrial stakeholders

- ✓ Develop and implement a joint strategy for reducing greenhouse gas emissions.

## Action 2.8

New action

## Continue the “green” strategy for fleet management

### Municipal contribution

- ✓ Adopt a “green” policy for fleet management by late 2007.
- ✓ Implement “green” measures for optimizing environmental fleet management.

### Contribution by partners

- ✓ Commit to carrying out at least three of the following measures:
- ✓ Continue to purchase energy-efficient vehicles.
- ✓ Use alternate fuels with recognized environmental benefits.
- ✓ Train drivers on environmentally friendly driving techniques.
- ✓ Integrate advanced technology available on the market and with recognized value.
- ✓ Implement other measures specific to the vehicle fleet.

## Action 2.9

New action



Feature action

## Implement compensation mechanisms for carbon-neutral business travel

### **Municipal contribution**

- ✓ Join the program to offset greenhouse gases produced by business air travel designed by the Bureau des affaires internationales and the Direction de l'environnement et du développement durable, starting in 2007.
- ✓ Implement incentives to optimize or reduce business travel, starting in 2007.

### **Contribution by partners**

- ✓ Join the program to offset greenhouse gases produced by business air travel.
- ✓ Implement incentives to optimize or reduce business travel, starting in 2007.

## Priority orientation

### Ensure the quality of residential environments

#### Action 2.10

#### Consolidate and increase Quartiers 21 projects

**Contribution by the city, the Agence de la santé et des services sociaux de Montréal and the Public Health Agency of Canada**

- ✓ Every year until 2009, provide financial support for at least two new highly innovative Quartiers 21 local projects.
- ✓ Every year until 2009, provide financial support for at least one Quartiers 21 project in line with Montréal's Integrated Urban Revitalization projects.
- ✓ Consolidate Quartiers 21 projects in progress to ensure their sustainability.
- ✓ Develop a recognition process for Quartiers 21 projects.

**Contribution by partners**

- ✓ Contribute financially or in kind to Quartiers 21 projects.
- ✓ Take part in the recognition process for Quartiers 21 projects.

#### Action 2.11

#### Multiply contact points with the water

**Municipal contribution**

- ✓ Make at least five contact points with the water accessible by 2009 through new shoreline acquisitions, agreements or park development.

#### Action 2.12

#### Reduce urban heat islands

**Municipal contribution**

- ✓ Develop a "green" strategy to reduce heat islands by 2008.
- ✓ Contribute to at least one "green" project downtown, either financially or through any other kind of contribution.
- ✓ Reduce the heat emitted by one building or a group of municipal buildings when replacing or renovating buildings.

**Contribution by partners**

- ✓ Take "green" actions to reduce heat islands.
- ✓ Reduce the heat emitted by one building or a group of buildings.

New action



Feature action

### Action 2.13

New action

### Promote clean and quiet residential environments

#### **Municipal contribution**

- ✓ Implement the 2007-2010 cleanliness and maintenance program.
- ✓ Step up cleanliness activities in accordance with annual action plans.
- ✓ Develop civic pride and encourage residents to reclaim urban space.
- ✓ Prepare a report on the noise situation in Montréal and suggest approaches for better noise management.

#### **Contribution by partners**

- ✓ Take part in municipal activities to promote cleanliness.
- ✓ Develop civic pride among employees and clients.
- ✓ Take steps to reduce noise.

### Action 2.14

New action

### Implement traffic calming measures

#### **Municipal contribution**

- ✓ Implement traffic calming measures.

### Action 2.15

New action

### Promote the development of urban agriculture in Montréal

#### **Municipal contribution**

- ✓ Continue to offer community gardens in underprivileged neighbourhoods.
- ✓ Promote urban agriculture by supporting residents wishing to become involved.
- ✓ Encourage the use of under-utilized residual spaces through agreements with major property owners.

## Priority orientation

### Practise responsible resource management

#### Action 2.16

#### Adopt a master plan for waste management

##### **Municipal contribution**

- ✓ Adopt and implement the master plan for waste management for metropolitan Montréal.

#### Action 2.17

#### Implement waste reduction and recovery measures in industries, businesses and institutions

##### **Municipal contribution**

- ✓ Commit to implementing measures to reduce, reuse, recover and reclaim waste generated in all municipal buildings.
- ✓ Share this commitment with employees, residents and suppliers.

##### **Contribution by partners**

- ✓ Have management commit to implementing measures to reduce, reuse, recover and reclaim waste generated in establishments.
- ✓ Share this commitment with members, staff, clients and suppliers.

#### Action 2.18

#### Implement waste reduction and recovery measures in parks and other public areas

##### **Municipal contribution**

- ✓ Implement recycling pick-up in half of Montréal's 22 major parks by late 2009.

Action 2.19

Implement drinking water conservation measures

**Municipal contribution**

- ✓ Develop a water usage policy and by-law by late 2009.
- ✓ Take part in the RÉSEAU Environnement and Water Ways! campaigns to save drinking water.
- ✓ Install water meters in industries, businesses and institutions by late 2009.
- ✓ Complete the water leakage detection and network evaluation program by late 2009.
- ✓ Upgrade and increase the reliability of water distribution and catchment networks.

**Contribution by partners**

- ✓ Co-operate on drawing up a water usage policy.
- ✓ Implement water conservation measures in municipal buildings.

Action 2.20

Control illicit uses of water

**Municipal contribution**

- ✓ Continue the operations of the unit to control illicit water use at least until late 2009.

Action 2.21

Improve energy efficiency in buildings

New action

**Municipal contribution**

- ✓ Carry out at least 30 energy efficiency projects by 2009.
- ✓ Carry out at least three renewable energy projects by 2009.
- ✓ Carry out at least one energy-efficient building project (construction or renovation).

**Contribution by partners**

- ✓ Carry out energy efficiency projects.
- ✓ Carry out renewable energy projects.
- ✓ Carry out at least one energy-efficient building project (construction or renovation).

### Action 2.22

New action



Feature action

### Hold eco-friendly events

#### Municipal contribution

- ✓ Organize at least four eco-friendly events by 2009.
- ✓ Distribute a guide to good practices for holding eco-friendly events.

#### Contribution by partners

- ✓ Organize eco-friendly events.

### Action 2.23

New action

### Improve the quality of storm water emptying into watercourses

#### Municipal contribution

- ✓ Continue to sample shoreline water quality in order to detect contamination of surface water during dry spells.
- ✓ Implement a water quality monitoring program for the storm sewer system in problem areas.
- ✓ Correct at least 10 contamination situations in the storm sewer system.

#### Contribution by partners

- ✓ Make residents and staff of businesses and institutions aware of good practices for preventing pollution of the storm sewer system.

### Action 2.24

New action

### Extend the Eco-quartier program

#### Municipal contribution

- ✓ Add new organizations in parts of metropolitan Montréal where they are lacking.
- ✓ Make the reconstituted municipalities of metropolitan Montréal aware of the benefits of Eco-quartier type organizations.
- ✓ Support initiatives to introduce this type of organization.

### Action 2.25

New action

### Keep green waste and table scraps from ending up in landfills

#### **Municipal contribution**

- ✓ Implement yard and organic waste collections related to the adoption of the master plan for waste management.
- ✓ Continue to promote home composting.

#### **Contribution by partners**

- ✓ Provide yard and organic waste composting facilities at partner organizations.

### Action 2.26

New action

### Open new eco-centres

#### **Municipal contribution**

- ✓ Establish at least one new eco-centre by late 2009.
- ✓ Co-operate with local administrations in this regard.

## Priority orientation

Encourage industries, businesses and institutions to adopt good sustainable development practices

### Action 2.27

Launch an industrial design contest intended to reduce the amount of waste treated

#### Contribution by the Centre d'expertise sur les matières résiduelles

- ✓ Co-ordinate the contest and hold the first event to salute the winning eco-friendly design.

#### Municipal contribution

- ✓ Help hold the contest by involving Design Montréal.

#### Contribution by partners

- ✓ Contribute to the design contest intended to reduce the amount of waste to be treated.

### Action 2.28

New action

Integrate sustainable development criteria in decision-making processes

#### Municipal contribution

- ✓ Design tools and promote “green” management in Montréal.
- ✓ Train decision-makers and employees on integrating “green” management practices into their work.
- ✓ Include a section on the environmental and social impacts of decisions (in addition to economic impacts) in reports submitted to boards of directors, senior management, etc.
- ✓ Evaluate the economic, social and environmental aspects of Montréal 2025 projects.
- ✓ Give priority to eco-friendly practices when granting additional budgets to boroughs for cleanliness activities.
- ✓ Develop sustainable development criteria for park landscaping work.

#### Contribution by partners

- ✓ Extend the implementation of “green” management practices.
- ✓ Train decision-makers and employees on integrating “green” management practices into their work.
- ✓ Include a section on the environmental and social impact of decisions (in addition to economic impacts) in reports submitted to boards of directors, senior management, etc.

## Action 2.29

New action



Feature action

## Become a United Nations University regional expertise centre for education on sustainable development

### **Municipal and ICI Environnement contribution**

- ✓ Confirm the feasibility of creating a regional expertise centre for education on sustainable development.
- ✓ Mobilize stakeholders to create this centre.
- ✓ Present Montréal's candidacy to the United Nations.

### **Contribution by partners**

- ✓ Take part in creating a regional expertise centre for education on sustainable development and in its activities.

## Action 2.30

New action

## Promote the social economy in Montréal

### **Municipal contribution**

- ✓ Support social economy businesses in municipal initiatives.

### **Contribution by partners**

- ✓ Encourage the development of social economy businesses.

## Orientation

### Improve protection of biodiversity, natural habitats and green spaces

#### Action 2.31

New action

#### Ensure biological diversity management in urban environments

##### **Municipal contribution**

- ✓ Protect biodiversity by increasing the aggregate hectareage of protected natural habitats, so as to achieve 8% protection of the Montréal territory.
- ✓ Consolidate the role and protection of large parks as biodiversified habitats, in particular by ensuring that their natural environments are managed in an environmentally friendly manner.
- ✓ Increase biomass in Montréal.
- ✓ Encourage biodiversity by diversifying Montréal's trees.
- ✓ Encourage biodiversity by improving the quality of shorelines and watercourses.

##### **Contribution by partners**

- ✓ Implement measures to enhancing biodiversity on private property.

#### Action 2.32

New action

#### Implement measures to protect and renaturalize riverbanks

##### **Municipal contribution**

- ✓ Draw up a shoreline development plan by 2009.
- ✓ Renaturalize shorelines in three major parks by late 2008.
- ✓ Take part in shoreline clean-up campaigns through OpérationMontréal.Net.

##### **Contribution by partners**

- ✓ Take part in shoreline clean-up campaigns through OpérationMontréal.Net.

### Action 2.33

New action

## Sign a partnership agreement with the Secretariat of the Convention on Biological Diversity

### Municipal contribution

- ✓ Prepare and provide training programs jointly with the Secretariat on the theme of biodiversity, in the form of seminars, on-line training, discussions and so on, for participants at regional and international meetings, starting in 2007.
- ✓ Serve as an exceptional forum for promoting the Secretariat and the major issues related to the loss of biodiversity.

### Action 2.34

New action

## Set up a Montréal centre on biological diversity

### Municipal contribution

- ✓ Provide space on the Botanical Garden site to build the centre.
- ✓ Make the natural science collections at the city's nature museums more accessible to the public.

## Orientation

Mobilize Montréal organizations and residents to work toward sustainable development of the metropolitan area

### Action 2.35

#### Take part in major environmental events

**Municipal contribution**

- ✓ Participate in at least six major environmental events per year.

**Contribution by partners**

- ✓ Participate in at least one major environmental event per year.

## Orientation

Offer residents municipal services and environmental by-laws in a spirit of equity

### Action 2.36

#### Harmonize solid waste management services

**Municipal contribution**

- ✓ Harmonize collection of recyclable materials for all Montréal residents by December 2007.
- ✓ Harmonize collection of leaves, Christmas trees and green waste (from gardens and tree pruning) for all Montréal residents by late 2008.

# 3

## Implementing the Action Plan

## Commitment by partners

By late 2006, nearly 70 organizations had committed themselves to achieving actions in the 2005-2006 Start-up Phase. In early 2007, a new challenge was issued to all partner organizations asking them to carry out at least five actions, including one feature action, from the 26 actions in the 2007-2009 Phase. They were asked to specify their contribution to implementing the Plan. The partner organizations committed themselves to achieving one or more of the following actions:

- Eliminate unnecessary vehicle idling (Action 2.1)
- Bolster cycling infrastructures (Action 2.4)
- Implement workplace measures to encourage sustainable transport (public transit, carpooling, cycling, walking) (Action 2.6)
- Implement measures to reduce greenhouse gas emissions (Action 2.7)
- Continue the “green” strategy for fleet management (Action 2.8)
- Implement compensation mechanisms for carbon-neutral business travel (Action 2.9)
- Consolidate and increase Quartiers 21 projects (Action 2.10)
- Reduce urban heat islands (Action 2.12)
- Promote clean and quiet residential environments (Action 2.13)
- Implement waste reduction and recovery measures in industries, businesses and institutions (Action 2.17)
- Implement drinking water conservation measures (Action 2.19)
- Improve energy efficiency in buildings (Action 2.21)
- Hold eco-friendly events (Action 2.22)
- Improve the quality of storm water emptying into watercourses (Action 2.23)
- Keep green waste and table scraps from ending up in landfills (Action 2.25)
- Launch an industrial design contest intended to reduce the quantity of waste treated (Action 2.27)
- Integrate sustainable development criteria in decision-making processes (Action 2.28)
- Become a United Nations University regional expertise centre for education on sustainable development (Action 2.29)
- Promote the social economy in Montréal (Action 2.30)
- Ensure biological diversity management in urban environments (Action 2.31)
- Implement measures to protect and renaturalize riverbanks (Action 2.32)
- Take part in major environmental events (Action 2.35)

The Central city's corporate services, the 15 reconstituted municipalities and the boroughs were also invited to make a commitment to carrying out the actions proposed in the 2007-2009 Phase.

## Implementation activities

### ***Communication***

Communication activities are an important part of implementing the Plan, and aim mainly to meet the following objectives:

- Highlight the achievements of metropolitan Montréal and its partners under the Strategic Plan.
- Encourage Montrealers to adopt sustainable development practices.
- Encourage exchanges of good practices among partner organizations.

### ***Exchange network on sustainable development***

Information dissemination and awareness-raising play a crucial role in the implementation of the Plan. The introduction of an exchange network on sustainable development during the 2005-2006 Start-up Phase (action 1.20) resulted in a number of information-sharing tools:

- nine issues of the Domino newsletter;
- fact sheets on the Web for each of the actions that could be implemented by partners;
- four luncheon talks on themes addressed in the Strategic Plan;
- express memos with reminders of events in Montréal and elsewhere having to do with sustainable development;
- a virtual forum.

Based on the experience acquired in the Start-up Phase, the exchange network, in close co-operation with the Regional Environment Board and the Conférence régionale des élus de Montréal, will pursue the following objectives over the 2007–2009 period:

- Sharing experiences, challenges overcome and achievements by partners, through meetings on different themes;
- Making information and expertise on good practices easily available through the virtual forum;
- Promoting sustainable development initiatives in Montréal by publicizing them through electronic media.

### ***Website***

In addition to hosting the exchange network on sustainable development, the [ville.montreal.qc.ca/developpementdurable](http://ville.montreal.qc.ca/developpementdurable) Website offers information to help in implementing *Montréal's First Strategic Plan for Sustainable Development*. It offers useful tips for integrating sustainable development principles into daily life at home, work and transportation, and allows Montréal organizations in all fields to make a commitment to implementing one or more of the actions suggested in the Plan.

### ***Expertise and support***

The municipalities of metropolitan Montréal are gradually developing expertise in all facets of sustainable development. Moreover, a team set up in June 2005 to support the implementation of *Montréal's First Strategic Plan for Sustainable Development* offers valuable support for internal and external partners.

***Annual report***

Just as for the 2005-2006 Start-up Phase, an annual report will track progress on actions in the 2007–2009 Phase, report on achievements by the Montréal administration, the reconstituted municipalities and partner organizations, and summarize the different activities to support the Plan. These reports will help to assess the impact of actions relating to all three aspects of sustainable development.

***Environmental indicators***

During the development process for the Plan, partners recognized the need for environmental monitoring. The first *report on environmental indicators for the 1999-2003 period* was issued in November 2005. Such reports will be produced every two years, to track changes in the state of the environment and, more specifically, certain environmental problems targeted in *Montréal's First Strategic Plan for Sustainable Development*. Based on indicators already identified (see Appendix 1), a report on environmental indicators for 2004-2005 will be finalized in 2007 and published at the end of the year.

## Appendix 1

Environmental indicators  
selected for the four priority  
orientations.

## Indicators selected for the four priority orientations

For each of the four priority orientations in *Montréal's First Strategic Plan for Sustainable Development*, **environmental indicators** have been developed so as to provide an overview of environmental progress or setbacks in Montréal. The results of these indicators are given in a report published every other year.

<b>Orientation</b>	<b>Improve air quality and reduce greenhouse gas emissions</b>
Indicator 1	Number of days with poor air quality
Indicator 2	Number of trips on public transport
Indicator 3	Number of vehicles registered
Indicator 4	Annual average daily volume of traffic on Montréal bridges and highways
Indicator 5	Number of cyclists who bicycle for practical purposes
<b>Orientation</b>	<b>Ensure the quality of residential environments</b>
Indicator 6	Number of complaints by residents concerning the quality of life
Indicator 7	Bacteriological quality of water near shorelines in the Montréal region (QUALO)
Indicator 8	Number of days with high ragweed pollen counts
Indicator 9	Area of on-land protected spaces on the island of Montréal
Indicator 10	Area of parks in Montréal
Indicator 11	Number of kilometres of public shorelines and access points to water
<b>Orientation</b>	<b>Practise responsible resource management</b>
Indicator 12	Number of boil-water notices for drinking water
Indicator 13	Energy consumption and equivalents in greenhouse gases on the island of Montréal
Indicator 14	Volume of drinking water produced annually
Indicator 15	Water quality index of the St. Lawrence River downstream of the island of Montréal
Indicator 16	Volume of waste generated, recovered and eliminated

<b>Orientation</b>	<b>Encourage industries, businesses and institutions to adopt good sustainable development practices</b>
Indicator 17	Number of environmental associations
Indicator 18	Number of organizations that participate in Montréal's First Strategic Plan for Sustainable Development and the number of actions under way
Indicator 19	Number of boroughs with environmental awareness programs
Indicator 20	Number of industries, businesses and institutions that have environmental certification or a voluntary environmental program

Every action counts.  
Partner in the domino effect.



[ville.montreal.qc.ca/developpementdurable](http://ville.montreal.qc.ca/developpementdurable)