







# ACTION PLAN FOR THE SUSTAINABLE DEVEL PMENT POLICY



1. Sur	mmary of sustainable development policy	4
2. Sus	stainable development policy implementation	5
2.1.	Water	6
2.2.	Air	10
2.3.	Soil	14
2.4.	Municipal management	16
2.5.	Waste management	21
2.6.	Biodiversity	23
2.7.	Quality of life	25
3. Act	ion plan implementation and follow-up	27
3.1.	Partnering opportunities	27
3.2.	Timeline	30

# 1. Summary of sustainable development policy

Sector	Objectives
Water	Objective 1: Continue with the City's efforts to reduce water consumption Objective 2: Limit the impact of runoff and wastewater
Air	Objective 3: Continue with the City's actions to fight climate change Objective 4: Preserve local air quality Objective 5: Promote actions that improve active and sustainable transportation in the community
Soil	Objective 6: Conserve soil quality Objective 7: Promote soil use from a sustainable development perspective
Municipal Management	Objective 8: Incorporate a formal, internal environmental management system Objective 9: Facilitate application and monitoring of the sustainable development policy process Objective 10: Develop a responsible procurement policy Objective 11: Work with local actors to improve the quality of the environment
Waste	Objective 12: Deploy ongoing actions to improve waste management Objective 13: Develop actions to raise public awareness about waste-related issues
Biodiversity	Objective 14: Expand wooded areas
Nuisances	Objective 15: Implement environmental actions for the well-being of the public Objective 16: Identify and combat nuisances using ecological solutions

# 2. Sustainable development policy implementation

The following tables show the actions that have been selected and prioritized to facilitate the sustainable development policy's implementation. These are proposals that could change over time.

Several actions are from the Climate Change Adaptation Plan and are marked with an asterisk (\*).

## 2.1. Water

			Implementation		
Objective 1	Actions	Timeline	Department	Specific Action	Indicator
Continue with the City's efforts to reduce water consumption	Use mulch in public landscaping to reduce watering needs*	2016-2020	Public Works	Maintain the use of mulch in landscaping	Tons of mulch
	2. Replace annuals with perennials and shrubs*	2016-2020	Public Works	Replace annuals with perennials where the landscaping permits	Number of plants
	Ensure adequate irrigation of vegetation during dry periods*	2016-2020	Public Works	Protect plants during drought	Number of actions
	Distribute rainwater collection barrels	2017-2020	Public Works	Give the public the means to collect rainwater	Number of barrels distributed
	Establish a bylaw for the use of low-flow equipment in new builds and renovations	2018	Planning	Implement technologies to conserve potable water	Bylaw passed
	Subsidize the installation of low-flow equipment in homes	2017	Planning	Offer a financial incentive for the use of low-flow equipment	Subsidy program established
	Replace toilets in city buildings with eco- efficient models	2019-2020	Engineering and Buildings	Install low-flow toilets	No. of toilets replaced / Total no. of toilets

8. Regulate the use of potable water*	2019	City Manager's Office Public Works City Clerk's Office	Establish a bylaw regarding the use of potable water in Pointe-Claire	Bylaw passed
---------------------------------------	------	---	---	--------------

		·- ·	Implementation		
Objective 2	Actions	Timeline	Department	Specific Action	Indicator
Limit the impact of runoff and wastewater	9. Promote best management practices (BMPs) for rainwater (rain gardens, rain barrels, drainage wells, permeable paving, drainage ditches, wet ponds, etc.) in land-use planning*	2016-2020	Public Works Engineering and Buildings	Hold or collect rainwater	Number of projects where BMPs are applied
	Where possible, incorporate water collection systems into new residential and industrial developments*	2016-2020	Planning Engineering and Buildings	Incorporate maximum discharge flow rate criteria into all new builds	Number of new projects
	Continue using rainwater collection and holding tanks in the Public Works building (water reused to water plants and lawn)*	2016-2020	Public Works	Collect rainwater	Number of barrels of rainwater used per year
	12. Implement the bylaw on protecting buildings against sewer backups (specifically by installing backwater valves)*	2016-2020	Planning Public Works	Equip any connections to a municipal sanitary, storm or combined sewer system with a check valve or safety valve to prevent sewer backups	Passage of a municipal bylaw (plumbing and drainage standards)

13.	Disseminate information about protecting buildings against sewer backups*	2016-2020	Planning Public Works Communications	Raise public awareness about the importance of buildings being able to withstand stormwater runoff	Number of communications on the subject
14.	Regularly maintain sewer systems*	2016-2020	Public Works	Conduct regular maintenance and ensure structures are in good condition	Metres of pipeline serviced
15.	Establish a bylaw for the sustainable development of parking lots*	2016-2020	Planning	Analyze bylaws and amend as needed	Municipal bylaw passed
16.	Clean sidewalks and pathways more frequently to reduce the amount of debris transported by rainwater*	2016-2020	Public Works	Sweep sidewalks and pathways as often as streets to reduce the amount of debris transported by rainwater	Percent increase in sweeping days

# 2.2. Air

		Timeline	Implementation		
Objective 3	Actions		Department	Specific Action	Indicator
Continue with the City's actions to fight climate change	17. Continue maintaining the Public Works building's green roof and explore similar solutions in future projects*	2016-2020	Public Works Engineering and Buildings	Continue maintaining the Public Works building's green roof and plan for something similar in future projects, to control heat islands	Number of green roofs installed
	18. Conduct a pilot project using reflective and permeable materials*	2017	Planning	Conduct a pilot project based on the market availability of such products	Number of projects using reflective and permeable materials
	19. Promote the development of green walls*	2016	Public Works Engineering and Buildings	Conduct a green wall pilot project	Square metres of wall developed
	20. Optimize use of the arena's power plant	2019	Engineering and Buildings	Implement solutions to improve the arena's energy efficiency	The plant's energy consumption

21. Systematically install electric timers on switches in all municipal buildings	2017-2020	Engineering and Buildings	Use timers to help reduce energy consumption	Number of electric timers installed
22. Install a weather stripping system on municipal building garage doors	2018	Engineering and Buildings	Optimize energy efficiency of municipal building garage	Number of systems installed
Replace gas-guzzling municipal vehicles     with more compact models to reduce fuel     consumption	2017-2020	Engineering and Buildings Public Works	Reduce fuel consumption by gradually replacing the fleet of vehicles	Number of vehicles replaced
24. Implement a preventive maintenance schedule for the municipal vehicle fleet to reduce fuel consumption	2017-2020	Public Works	Reduce fuel consumption by following a preventive maintenance schedule	Fuel consumption
25. Install additional electric charging stations	2019	Public Works	Make electric charging stations available to the public	Number of electric charging stations installed
26. Promote the installation of white roofs	2016-2020	Planning Engineering and Buildings	Raise public awareness of the advantages of white roofs	Number of white roofs in the city

Objective 4	Actions	Timeline	Implementation		
			Department	Specific Action	Indicator
Preserve local air quality	27. Document best practices in preserving air quality	2018-2020	Planning Engineering and Buildings	Improve knowledge of air quality preservation methods	Documentation produced

01: 1: 5	Actions	Timeline	Implementation		
Objective 5			Department	Specific Action	Indicator
Promote actions that improve active and sustainable transportation in the community	28. Develop a sustainable mobility policy	2017	Planning	Implement a specific policy to promote alternative modes of transportation	Municipal bylaw passed
	29. Improve the system of bike trails and their interconnectivity	2016-2020	Engineering and Buildings	Identify potential trails and develop them	Kilometres of trail developed
	30. Produce a bike trail map for the public	2018	Communications	Make the map available in print and electronic formats	Map published
	31. Disseminate information about government subsidies for electric car purchases	2016	Public Works Communications	Post information on City website	Information available to the public
	32. Put up "share the road" awareness signs	2019	Communications	Promote the coexistence of different modes of transportation	Number of signs installed

# 2.3. Soil

		Timeline	Implementation		
Objective 6	Actions		Department	Specific Action	Indicator
Conserve soil quality	33. Promote hydroseeding	2016-2020	Public Works Engineering and Buildings	Promote more eco- efficient planting methods	Area of grass planted by hydroseeding
	34. Plant natives species that help stabilize the soil	2016-2020	Public Works	Use local species that help reduce the risk of erosion	Number of plants planted
	35. Raise awareness among residents, business owners and industry about preventing and reducing soil contamination	2018	Communications	Develop informational resources for the public	Communication tools used
	36. Optimize snow removal rules and criteria with a view to sustainable development	2016-2020	Public Works	Implement techniques for managing snow removal in an eco- efficient manner	Types of techniques implemented

Objective 7	Actions	Timeline	Implementation		
Objective 7	Actions	Tittleiitle	Department	Specific Action	Indicator
Promote soil use from a sustainable development perspective	37. Establish a bylaw for the sustainable development of parking lots*	2016	Planning	Establish criteria to promote the installation of green parking lots	Municipal bylaw passed
	38. Promote the use of permeable paving in municipal projects*	2016	Public Works Engineering and Buildings	Conduct a pilot project using permeable materials	Square metres of permeable paving
	39. Establish a bylaw for the installation of community gardens in new high-rise developments	2017	Planning	Develop a bylaw to that effect	Municipal bylaw passed
	40. Create natural areas between business areas and residential areas	2019-2020	Planning Engineering and Buildings	Identify testing areas for a pilot project	Number of natural areas created

# 2.4. Municipal management

			Implementation		
Objective 8	Actions	Timeline	Department	Specific Action	Indicator
Incorporate a formal, internal environmental management	41. Systematically consider environmental impacts when developing projects	2017-2020	All departments	To the extent possible, develop a checklist of	Type of criteria established
system	42. Create a book of sustainable project criteria by department	2018		criteria for all City departments	
	43. Implement a mobilization program to develop environmental leadership	2016	City Manager's Office Public Works Communications Administrative Services	Empower employees to implement environmental initiatives	Number of training sessions
	44. Create tools or a guide to support employees	2017	Public Works Communications	Give employees the right tools	Number of internal communications

Objective 9		T	Implementation		
	Actions	Timeline	Department	Specific Action	Indicator
Facilitate application and monitoring of the sustainable development policy process	45. Set up an environmental committee involving all municipal departments	2017	City Manager's Office Public Works	Establish a committee made up of elected officials, members of municipal administration and the public	Committee created
	46. Conduct awareness activities and hold training sessions for employees	2017-2020	City Manager's Office Public Works Administrative Services	Conduct training sessions on how to implement the sustainable development policy	Number of training sessions

01: 1: 40	Actions	Time line	Implementation		
Objective 10		Timeline	Department	Specific Action	Indicator
Develop a responsible procurement policy	47. Identify environmental and social criteria to be incorporated into the awarding of contracts	2018	City Manager's Office Administrative Services City Clerk's Office	Focus mainly on contracts under development	Criteria incorporated
	48. Support vendors and bidders that respect sustainable development	2018	Administrative Services City Clerk's Office	Prioritize eco-efficient approaches	Number of vendors
	49. Enhance buy-local directives	2018	Administrative Services City Clerk's Office	To be determined	Directives implemented
	50. Promote the participation of non-profit organizations (NPOs) in tendering processes	2018	Administrative Services	Incorporate conditions that foster stakeholder participation	Participation criteria implemented
	51. Assess internal procurement from a sustainable development perspective	2017	Administrative Services	Conduct an internal assessment of current supply locations	Assessment prepared
	52. Train procurement staff on sustainable purchases	2019	Procurement Human Resources	Conduct specific training sessions	Number of training sessions

	Authoriza		Implementation		
Objective 11	Actions	Timeline	Department	Specific Action	Indicator
Work with local actors to improve the quality of the environment	53. Create a chat room where residents can propose initiatives to improve the environment and discuss infrastructures and activities	2018	City Manager's Office Communications Culture, Sports, Leisure and Community Development Administrative Services	Set up a web page and email address dedicated to such projects	Web page launched
	54. Create a directory of community and non-profit organizations (NPOs) that do environmental and social development work	2017-2018	Culture, Sports, Leisure and Community Development	Keep an eye out for NPO community actions	Directory created
	55. Conduct internal information sessions on good environmental practices	2016-2020	Public Works Communications	Propose simple acts that municipal departments can do to promote good practices	Number of training sessions

56	. Establish a sustainable event policy	2018	Inspection – Public Security Public Works	Establish environmental criteria for City events	Criteria established
57	. Set up a waste management brigade	2017	Public Works	Give youth an opportunity, in summer, to get involved in raising public awareness about waste management best practices	Green patrol established
58	. Provide material and human resources for environmental activities	2020	City Manager's Office Public Works	Implement a program specifically for the public	Program developed
59	. Offer an advisory service to residents who want to do something for the environment	2019	Planning Public Works Communications	Advertise the service in City communications	The service is advertised
60	Develop a guide of good environmental practices for residents	2017	Communications Public Works	Create a brochure	Number of brochures distributed

# 2.5. Waste management

01: 40			Implementation		
Objective 12	Actions	Timeline	Department	Specific Action	Indicator
Deploy actions to improve waste management	61. Recycle photocopier and printer ink cartridges used by staff and limit paper use	2016-2020	All departments	Aim for paperless administration	Number of cartridges recycled and quantity of paper purchased
	62. Install used battery collection points in municipal buildings	2016-2020	Public Works	Aim for one bin per building	Number of collection points
	63. Promote the purchase of sustainable products	2018	Public Works Administrative Services City Manager's Office	Choose sustainable products over disposable products	Sustainable supply expenditures

01: 12: 40		<b>T</b>	Implementation		
Objective 13	Actions	Timeline	Department	Specific Action	Indicator
Develop actions to raise public awareness about waste-related issues	64. Raise public awareness about the 4 Rs (reduce, reuse, recycle and recover)	2016-2020	Communications Public Works	Produce documents and create a dedicated Web page	Number of communications, and Web page created
	65. Develop a school activity to raise youth awareness about waste management	2017-2018	Public Works Culture, Sports, Leisure and Community Development	Work with school boards	Number of activities held
	66. Disseminate government financial rebates associated with recycling and investments made	2018	Communications Administrative Services Public Works		

# 2.6. Biodiversity

		T	Implementation		
Objective 14	Actions	Timeline	Department	Specific Action	Indicator
Expand wooded areas	67. Plant, conserve and protect trees*	2016-2020	Public Works	Expand the canopy year after year	Tree inventory
	68. Distribute seedlings of native trees to residents*	2016-2020	Public Works	Conserve and increase vegetation cover despite the presence of pests	Number of seedlings distributed
	69. Improve tree replacement planning	2016-2020	Public Works	Minimize the impact of pests	Number of trees replaced
	70. Set up a system for monitoring species that are or that could become vulnerable or threatened	2017	Public Works	Take an inventory of existing species in the area	Inventory developed
	71. Establish a bylaw to protect threatened and vulnerable species	2017	Public Works City Clerk's Office City Manager's Office	In the bylaw, include actions to protect species	Municipal bylaw passed
	72. Develop an urban forestry plan or policy*	2017	Public Works	Keep the inventory up to date and determine the direction the City wants to take	Plan or policy developed
	73. Create a teaching garden for monarchs*	2016-2017	Environment	Develop a monarch observatory by planting milkweed	Teaching garden opened

74. Select plants adapted to high-temperature conditions*	2016-2020	Public Works	Plant vegetation that can adapt to climate change	Number of plants based on their hardiness
---	-----------	--------------	---	---

# 2.7. Quality of life

01: 45	Actions	T	Implementation		
Objective 15		Timeline	Department	Specific Action	Indicator
Implement environmental actions for the well-being of the public	75. Increase the number of recreational infrastructures (splash pads)*	2020	Planning Engineering and Buildings	Complete at least	Number of splash pads installed in parks
	76. Develop shaded areas in parks*	2016-2020	Planning Engineering and Buildings Public Works	one project by 2020	Number of pergolas or other structures installed in parks
	77. Establish a program to give one tree for every baby that is born	2018	Public Works	Announce program on Website	Number of trees given
	78. Encourage developers wishing to set up shop in the area to use ecological approaches	2019	Planning Communications	Raise awareness among developers	Communication types
	79. Raise public awareness about protecting Lake Saint-Louis and the St. Lawrence River through shoreline cleanup actions	2016-2020	Communications Public Works	Support the implementation of cleanup actions in collaboration with residents	Number of awareness and cleanup actions conducted
	80. Increase the number of green walls	2017	Engineering and Buildings Public Works	Identify potential green wall sites	Area covered

Objective 40		T	Implementation		
Objective 16	Actions	Timeline	Department	Specific Action	Indicator
Identify and combat nuisances using ecological solutions	81. Conduct an awareness campaign to combat ragweed*	2016-2020	Public Works Communications	Combat invasive species and promote the planting of native species	Number of vacant lots maintained
	82. Inform residents about issues associated with the various invasive species present in the area, such as the white grub and the emerald ash borer	2016-2020	Public Works Communications	Inform residents about how they can improve the situation	Number and type of communications
	83. Inventory and track the types of invasive species present in the area	2017-2020	Public Works	Make this inventory accessible to the public	Inventory produced
	84. Continue with integrated pest management*	2016-2020	Public Works	Stop the spread of insect pests	Plan against the emerald ash borer

## 3. Action plan implementation and follow-up

#### 3.1. Partnering opportunities

The City continues to pay close attention to all funding available for various sustainable development action plan initiatives.

Equipped with a sustainable development policy and an action plan, the City increases its eligibility for certain government programs, such as the Green Municipal Fund, which has made it an eligibility criterion since 2011.

The following table outlines some of the funding available to municipalities, organizations and businesses.

Table 1: Funding for municipalities

Focus	Fund	Program objectives	Who is eligible
Air Water Soil Waste	Green Municipal Fund (GMF)	The Federation of Canadian Municipalities' (FCM) Green Municipal Fund (GMF) supports initiatives offering an innovative solution or approach to a municipal environmental issue that is transferable to other municipalities, regardless of their size. These initiatives must also generate significant environmental, economic and social advantages and must include local policies and appropriate measurement mechanisms.	Municipalities
Air, Municipal Management	Partners for Climate Protection (PCP) program	The program empowers municipalities to take action against climate change through a five-milestone process that guides members in creating greenhouse gas (GHG) inventories, setting realistic and achievable GHG reduction targets, developing local action plans, and implementing plans using specific, measurable actions to reduce emissions.	Municipalities
Air, Water, Soil, Biodiversity	Fondation Hydro-Québec pour l'environnement	The Fondation Hydro-Québec pour l'environnement focuses on environmental projects that reflect the desire of local communities to enhance their natural heritage and responsibly and sustainably manage their natural environments.	Municipalities, RCMs, Band Councils, NPOs
Water, Biodiversity	Fondation de la faune du Québec – Wildlife habitat protection program	<ul> <li>Protect particularly productive, diversified or threatened wildlife habitats located on privately owned land.</li> <li>Support organizations that want to purchase lands that are high-quality habitats for wildlife, in order to conserve them.</li> <li>Support organizations that work to convince owners of wildlife habitats to voluntarily conserve them.</li> </ul>	Public or private organizations legally established in Quebec
Biodiversity, Quality of Life	Fondation de la faune du Québec – Integrated resource management program for sustainable wildlife development in forest habitats	Promote the integration of wildlife-related values, knowledge and concerns into regional land-use and resource development planning to ensure optimal management of terrestrial, avian and aquatic wildlife.  Support projects involving the development and conservation of exploited wildlife and their habitats.  Promote collaboration between wildlife actors to introduce forest planning that integrates wildlife issues and habitat requirements.	Provincial wildlife federations and their members, SÉPAQ (Quebec society of outdoor recreation establishments), legally incorporated organizations working in public forestry
Waste	MDDELCC (Quebec ministry of sustainable development, environment and the fight against climate change) – Program to redistribute waste disposal charges to municipalities	Help fund municipal activities for the implementation of waste management plans (WMPs). Reduce the amount of waste disposed of and, in turn, extend the life of landfill sites and decrease pollution caused by waste disposal.	Municipalities
Air, Soil, Municipal Management	MTQ (Quebec ministry of transportation) – Municipal road network improvement assistance program	Help fund improvement projects carried out by municipalities on their road networks with a focus on the following three aspects: improving the quality of the pavement, drainage and safety.	Municipalities

Air, Soil, Municipal Management	MTQ – Local road network maintenance assistance program (PAERRL)	Provide financial compensation to eligible municipalities, based on their real estate wealth, for the maintenance of levels 1 and 2 local roads.	Municipalities
Quality of life	MTQ – Municipal artwork restoration program (PAROAM)	<ul> <li>For the restoration of artwork located on the municipal road network. Eligible pieces of artwork are retaining walls and walkways.</li> </ul>	Municipalities
Air, Municipal Management	MERN (Quebec ministry of energy and natural resources) – Financial assistance program for energy efficiency and conversion projects	<ul> <li>Financial support to reduce greenhouse gas emissions and fossil fuel consumption through the funding of projects related to power generation and consumption, as well as process improvement (analysis, energy management, and implementation components).</li> </ul>	Businesses, Institutions, Municipalities
Air, Municipal Management	Hydro-Québec – Demand- Side Management program	Financial assistance to encourage Hydro-Québec customers to reduce their buildings' power demand during winter peaks.	Commercial and institutional customers, small and medium-sized enterprises (SMEs)
Air, Municipal Management	Hydro-Québec – Buildings Program	Offers financial assistance to implement energy efficiency measures while carrying out projects in commercial or institutional buildings (prescriptive component or catered component).	Institutions
Air, Municipal Management	Hydro-Québec – Support program for sustainable urban development projects	Funding available to optimize building energy consumption or install community heating for urban development projects through the decentralized generation of renewable energy.	Developers, Builders, Municipalities
Air, Biodiversity, Quality of Life	Toyota Evergreen Learning Grounds program	Provides funding to help schools implement greening projects on school grounds.	Schools
Municipal Management, Biodiversity	TD Friends of the Environment Foundation	Provides funding focused on the revitalization, animation and stewardship of public green spaces.	Municipalities, Educational Institutions, Organizations, Indigenous Groups
Air, Municipal Management	Association québécoise pour la maîtrise de l'énergie – Municipal component	<ul> <li>Provides technical assistance and support from engineers specializing in energy efficiency for projects in the following areas: planning, infrastructure, sports facilities, public lighting, vehicle fleets, etc.</li> </ul>	Municipalities
Air, Municipal Management, Waste	Fonds Éco IGA	<ul> <li>Its goal is to fund projects that respond to environmental realities and that aim to protect, conserve, and promote sustainable environmental practices.</li> </ul>	Municipalities
Air, Biodiversity, Quality of Life	Fonds d'action québécois pour le développement durable – Action-Climat Québec program	Eligible projects must mobilize and engage individuals and communities in actions to reduce GHG emissions or adapt to climate change. New behaviours and practices are to be adopted to fight climate change.	Individuals, Businesses, Institutions, Municipalities

Waste, Quality of Life, Municipal Management	Éco Entreprise Québec – Away-from-Home Recovery Program in municipal public places	Financial assistance program for the purchase and installation of recyclable materials recovery equipment in municipal public places.	Municipalities
Air, Municipal Management	Gaz Métro – High Efficiency Equipment	Grants to encourage the purchase of more energy efficient appliances (condensing unit heater, boiler, water heater, infrared heating system).	Municipalities
Air, Municipal Management	Gaz Métro – Energy Efficiency Measures Grants	Grants to optimize the use of natural gas (solar air preheating, feasibility studies, innovation, new builds, recommissioning).	Municipalities
Air, Municipal Management	Gazifère - Feasibility Study program (existing or new building)	<ul> <li>Provides \$2000 in financial assistance to cover a portion of the cost of having a feasibility study carried out to improve energy efficiency.</li> </ul>	Commercial and Institutional Customers
Air, Municipal Management	Government of Quebec – Drive Electric Program	Encourages electric transportation by offering a rebate on the purchase or lease of an all-electric, plug-in hybrid, hybrid or low-speed electric vehicle.	Individuals, Businesses, Organizations, Municipalities
Air, Municipal Management	Government of Quebec – Branché au travail (plug in at work) program	Financial assistance for the purchase and installation of workplace charging stations.	Businesses, Organizations, Municipalities

#### 3.2. Timeline

This is a five-year plan.

Below is a summary timeline of the various implementation phases:

#### 2016:

- 1- Adoption of environmental policy and action plan
- 2- Meeting with municipal departments
- 3- Meeting with external stakeholders
- 4- Action plan implementation
- 5- Evaluation and feedback

#### 2017-2020:

- 1- Action plan implementation (continued)
- 2- Action plan updating
- 3- Development of a protocol to update actions and migrate the environmental policy to a sustainable development policy