



CLIMATE CHANGE ACTION PLAN

August 2015

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HEAT WAVES

ACTION	SPECIFIC OBJECTIVE
1. REDUCE HEAT ISLANDS	
Encourage construction or repair of roofs (of public or private buildings) that will reduce heat islands.	Continue to encourage implementation of white and green roofs for new buildings, in compliance with the SPAIP.
Regulate percentage of green areas (plants, trees, shrubs, etc.) to be included in any new construction.	Change zoning by-law.
Regulate sustainable design of parking spaces.	Analyze by-laws and make changes as required.
Encourage incorporation of green walls when parks are being designed.	Carry out pilot project of green wall adjacent to private properties when a park is designed.
Plant, conserve and protect trees (greening).	Increase canopy year after year.
Extend opening hours (swimming pools).	When temperature is 33 degrees Celsius or higher for more than three consecutive days, or higher than 25 degrees for two consecutive nights.
Maintain existing green roof and consider similar solutions in upcoming projects.	Maintain the green roof of the Public Works building and consider a similar scenario for future projects in order to reduce heat islands.
Carry out a pilot project using reflective and permeable materials.	Carry out a pilot project based on commercial availability of such products.
2. DESIGN PLACES WHERE PEOPLE CAN COOL OFF AND AVOID EXTREME HEAT	
Plant, conserve and protect trees (greening).	Increase canopy year after year.
Maintain availability of public facilities providing access to water and ensure offer of services in case of extreme heat.	When temperature is 33 degrees Celsius or higher for more than three consecutive days, or higher than 25 degrees for two consecutive nights.
Keep public buildings air-conditioned and plan to extend hours of service during heat waves (Library and Aquatic Centre).	Central Library and Aquatic Centre remain open when temperature is 33 degrees Celsius or higher for more than three consecutive days, or higher than 25 degrees for two consecutive nights.
Install water play areas.	Carry out at least one project by 2020.
Create shady areas in parks.	Carry out at least one project by 2020.
3. PROTECT BIODIVERSITY	
Select plants that are adapted to high temperatures.	Plant vegetation from plant hardiness zones 5A and 5B in order to adapt to climate change.
Develop an urban forestry plan or policy.	Keep our inventory up-to-date and choose an orientation for the City.
Create an educational monarch butterfly garden.	Using milkweed, create an educational monarch butterfly observation station.
4. DEVELOP EMERGENCY MEASURES FOR HEAT WAVES	
Ensure close cooperation with the <i>Centre de sécurité civile</i> to implement emergency measures (this also applies to other extreme weather events).	Make sure emergency measures are quickly initiated when there is an emergency related to an extreme weather event.
Keep public buildings air-conditioned and plan to extend hours of service during heat waves (Library and Aquatic Centre).	Central Library and Aquatic Centre remain open when temperature is 33 degrees Celsius or higher for more than three consecutive days, or higher than 25 degrees for two consecutive nights.
Provide heat stroke training for lifeguards.	Training is incorporated into lifeguards' yearly team training.
Implement CODE RED local emergency telephone system.	Be able to reach all residents by phone in case of emergency. Keep people informed.

RAIN	
ACTION	SPECIFIC OBJECTIVE
1. RETAIN OR CAPTURE RAINWATER	
In territorial planning, give priority to best management practices (BMPs) for stormwater: rain gardens, rain barrels, drain wells, permeable pavers, swales, ditches, retention ponds, etc.	Retain or capture rainwater.
Regulate sustainable design of parking spaces.	Analyze by-laws and make changes as required.
Incorporate retention systems whenever possible when developing new residential or industrial sites.	Apply maximum runoff flow rate criteria to all new constructions.
Continue use of reservoirs to capture and retain stormwater at the Public Works building (captured water used to water lawn and plants).	Capture stormwater.
2. INCREASE INFRASTRUCTURE AND PUBLIC BUILDING RESILIENCE IN RESPONSE TO WATER RUNOFF	
Enforce by-laws on protection of buildings against sewer back-ups (e.g., by installing stop-check valves).	Any hookup to a municipal sanitary, stormwater or combined sewage system must be equipped with a stop-check valve or a safety valve in order to prevent any sewage water backflow.
Disseminate information on protecting buildings against sewer back-ups.	Raise residents' awareness of the need to increase building resilience in terms of water runoff.
Clean catch basins.	Ensure regular maintenance of catch basins.
3. KEEP IMPERVIOUS SURFACES TO A MINIMUM	
In City projects, give priority to permeable materials (porous asphalt, porous concrete, concrete pavers, concrete or plastic alveolar systems).	Carry out a pilot project using permeable materials.
Regulate sustainable design of parking spaces.	Analyze by-laws and make changes as required.
4. ENSURE THE CAPACITY OF STORMWATER AND COMBINED SEWER SYSTEMS	
Ensure sewers are regularly maintained.	Verify that structures are in good condition and ensure regular maintenance.
Sweep sidewalks and paths more often to reduce amount of debris carried by rainwater.	Sweep sidewalks and paths as often as streets in order to reduce amount of debris carried by rainwater.
5. INCREASE AND PRESERVE PLANT COVER	
Plant, conserve and protect trees (greening).	Increase canopy year after year.
Regulate sustainable design of parking spaces.	Analyze by-laws and make changes as required.
Distribute native tree seedlings to residents.	Preserve Pointe-Claire's plant cover in spite of destructive insects, and increase the City's plant cover.

TEMPERATURE

ACTION	SPECIFIC OBJECTIVE
1. PROTECT BIODIVERSITY	
Develop an urban forestry plan or policy.	Keep our inventory up-to-date and choose an orientation for the City.
Increase diversity of plant genera and species that are adapted to the local environment.	Keep our inventory up-to-date and choose an orientation for the City in terms of diversity of genera.
Select plants that are adapted to new climate conditions.	Plant vegetation from plant hardiness zones 5A and 5B in order to adapt to climate change.
Continue with integrated pest management.	Halt the advance of this destructive insect.
2. INCREASE INFRASTRUCTURE RESILIENCE IN RESPONSE TO FREEZE-THAW EPISODES	
Maintain infrastructure inspections and maintenance in response to freeze-thaw episodes to ensure resilience and adopt new procedures.	Maintain infrastructure inspections and maintenance in response to freeze-thaw episodes to ensure resilience and adopt new procedures as needed.
3. ADAPT OFFER OF WINTER RECREATIONAL ACTIVITIES	
Diversify offer of outdoor activities (e.g., plan for other uses of skating rinks and develop new activities).	Offer a wider range of outdoor activities.
4. ADAPT OFFER OF SUMMER RECREATIONAL ACTIVITIES AND MAINTENANCE OPERATIONS	
Adapt outdoor activities programming to longer summers and ensure services are provided (extend opening period for swimming pools, manage staff and budgets).	Adapt City's service offer to residents' needs.
5. FIGHT RAGWEED	
Campaign to raise awareness of the need to fight ragweed.	Induce residents to pull ragweed out or cut it down twice a year.

STORMS

ACTION	SPECIFIC OBJECTIVE
1. INCREASE INFRASTRUCTURE AND BUILDING RESILIENCE IN RESPONSE TO WIND AND GLAZE ICE	
Favour underground wires for new development projects.	All new constructions must have underground wires.
Carry out preventive maintenance of trees, particularly pruning.	Make sure City trees can resist wind and glaze ice.
Choose species less likely to break.	Keep our inventory up-to-date and choose an orientation for the City in terms of diversity of genera.
2. DEVELOP EMERGENCY MEASURES IN CASE OF POWER SHORTAGES IN WINTER	
Ensure accessibility of public buildings with generators in case of prolonged power shortages in winter (Aquatic Centre, Pointe-Claire schools).	Arena and Aquatic Centre, Public Security (fire and police stations), Municipal Court, Library, City Hall and Public Works equipped with generators in order to maintain City services.

DROUGHT

ACTION	SPECIFIC OBJECTIVE
1. ENSURE QUALITY AND QUANTITY OF DRINKING WATER	
Adopt a by-law on use of drinking water.	Regulate use of drinking water throughout Pointe-Claire.
2. INCREASE INFRASTRUCTURE AND BUILDING RESILIENCE IN RESPONSE TO DRYER SOIL	
3. INCREASE RESILIENCE OF VEGETATION IN RESPONSE TO DROUGHT	
Use mulch in public landscaping to reduce need for watering.	Maintain use of mulch in most City landscaping sites and increase as needed.
Replace annuals with perennials and shrubs.	Replace annuals with perennials wherever landscaping permits.
4. PROTECT BIODIVERSITY	
Make sure plants are adequately watered during periods of drought.	Protect plants during periods of drought.