

SUMMARY OF THE MRC PONTIAC RESIDUAL WASTE MANAGEMENT PLAN 2023-2030

CONTEXT

In December 2016, the last Residual waste management plan (PGMR) of the MRC Pontiac came into effect. According to article 53.23 of the Environment Quality Act, the PGMR must be revised every seven years.

In October 2023, the MRC adopted the PGMR 2023-2030, which provides a regional portrait of waste management, determines the MRC's directions and objectives and establishes the means and actions to be implemented to achieve them.

CONTENT

The PGMR content respects the elements set out by the Environment Quality Act and also includes the objectives of the Politique québécoise de gestion des matières résiduelles and its five-year action plan in effect and also the Stratégie de valorisation de la matière organique. The following points with brief description can be found in the PGMR 2023-2030 document.

Description of the MRC Pontiac

The MRC Pontiac spans a surface area of 14,131 km², of which more than two-thirds is occupied by the unorganised territory of Nigault Lake. The MRC Pontiac also includes the following 18 municipalities: Allevyn-et-Cawood, Bristol, Bryson, Campbell's Bay, Chichester, Clarendon, Fort-Coulonge, L'Ile-du-Grand-Calumet, L'Isle-aux-Allumettes, Litchfield, Mansfield-et-Pontefract, Otter Lake, Portage-du-Fort, Rapides-des-Joachims, Shawville, Sheenboro, Thorne and Waltham.

In 2019, the permanent population of the MRC Pontiac is 14,158. The highest population concentrations are in the municipalities of Mansfield-et-Pontefract (2,345 residents), Shawville (1,554 residents), Fort-Coulonge (1,380 residents), L'Isle-aux-Allumettes (1,314 residents), Clarendon (1,235 residents) and Bristol (1,038 residents). There is also a high seasonal population linked to cottages, hunting and fishing which take place in the MRC.

Organizations and business working in residual waste management and facilities located or concerned with the MRC Pontiac's PGMR

The Sainte-Sophie and Lachute technical landfill sites are the closest to the MRC Pontiac.

Local business implicated in the residual waste management work in the field of recycling (tires, metal, paper, ...), recuperating (propane tanks, batteries, waste oil, clothing, books, electronic equipment, paint, construction and demolition scraps, ...) and septic tank waste. These businesses are situated in Québec as well as Ontario.

Residual waste generated for the municipal sector, the institutional-commercial-industrial sector (ICI), and the construction-renovation-demolition sector (CRD) according to the 2019 data.

In 2019, the municipal sector produced about 5,000 tons of household waste and recovered 1,150 tons of recyclables.

According to an estimate based on employment per sector, the ICI sector produced about 4,200 tons of residual waste in 2019, which is divided between recyclable matter, organic matter, final waste and other residual waste (end-of-life vehicles, ...).

According to an estimate based on the MRC Pontiac's total value of building permits, the CRD sector produced about 5,600 tons of residual waste in 2019 (aggregates, gypsum, asphalt shingles and lumber).

MRC Pontiac's PGMR 2023-2030 action plan

The action plan of the MRC Pontiac's PGMR is made up of 7 orientations presented in the form of fact sheets. Each sheet presents a description of the specific objectives, a summary of the proposed actions, the year of implementation and the targeted sectors.

The PGMR 2023-2030 action plan is made up of the following 7 orientations:

1. Promote source reduction and reuse of residual materials generated in each household
2. Promote the recovery and recycling of recyclable materials
3. Encourage and facilitate the recycling of organic materials
4. Promote the collection of household hazardous waste (HHW), end-of-life tires, agricultural plastics and electronic and refrigeration/air-conditioning appliances
5. Promote and facilitate the collection of bulky items and CRD residues
6. Implement a sludge management program for septic systems
7. Consolidate current disposal of residual materials.

These orientations are presented in the form of fact sheets describing specific objectives and actions.

Orientation 1	Promote source reduction and reuse of residual materials generated in each household
Specific objective	Raise awareness among the MRC's population, ICIs and CRD companies of the issues associated with residual materials management and inform them of the measures for applying the 3RV-E principle
Action 1.	Introduce awareness and information campaigns for citizens, municipal and MRC employees, ICI and CRD companies, with a specific focus on seasonal residents.
	<ul style="list-style-type: none"> 1.a. Articles in local newspapers (Equity, Journal du Pontiac) 1.b. Radio spots on local radio (CHIP FM) 1.c. Articles on the MRC Pontiac website 1.d. Leaflet explaining aspects of the MRC's environmental policy related to residual materials management to MRC employees, municipal employees, mayors and councillors. 1.e. Adoption by the municipalities of an environmental policy 1.f. Informing citizens and raising their awareness of the zero-waste movement and short distribution channels
Importance	CONTINUATION
Type of action	ISE (INFORMATION-SENSITIZATION-EDUCATION)
Start	2023
End	2030
Responsible	MRC (1.a, 1.b., 1.c., 1.d., 1.e., 1.f.)
Partners	Municipalities, educational institutions, community and environmental groups, government agencies
Monitoring indicator	Number of communications (target: 2 per year)
Action 2.	Develop environmental education (EE) programs in collaboration with educational institutions, community and environmental groups, and government and municipal agencies.
Importance	CONTINUATION
Type of action	ISE (INFORMATION-SENSITIZATION-EDUCATION)
Start	2023
End	2030
Responsible	MRC
Partners	Municipalities, educational institutions, community and environmental groups, government agencies
Monitoring indicator	Number of EE programs (target: 2 organizations per year)
Action 3.	Carry out a study of existing bulk-buying opportunities in the region, and identify ways of improving them.
	<ul style="list-style-type: none"> 3.a. Analysis of results and identification of ways to improve the bulk purchasing offer 3.b. Publication of results 3.c. Support for ICIs enabling the greatest progress to be made in bulk purchasing.
Importance	OPTIMIZATION
Type of action	STUDY
Start	2025
End	2026
Responsible	MRC (3.a., 3.b., 3.c.)
Partners	Consultants
Monitoring indicator	Number of ICIs supported (target: to be defined according to the study)
Target groups	Residents, CRD and ICI
Global monitoring indicators	Quantity of landfilled waste
Expected results	Reducing tonnage of landfilled waste

Orientation 2	Promote the recovery and recycling of recyclable materials
Specific objective	Extend the recovery of recyclable materials to the entire MRC territory and to ICI
Action 4.	Carry out a study on the situation of the collection of recyclable materials from ICI on the territory
4.a.	Identify assimilable ICIs by municipality, evaluate the materials and tonnages involved and integrate them into municipal collection
4.b.	Support for ICIs served by municipal collections in implementing measures to improve practices and increase the quantity and quality of materials recovered
Importance	OPTIMIZATION
Type of action	STUDY
Start	2024
End	2027
Responsible	MRC (4.a., 4.b.)
Partners	Municipalities, Consultant
Monitoring indicator	Number of ICIs supported (target: 5 ICIs per year)
Action 5.	Become an EEQ partner in the modernization of selective collection and help set up the new selective collection system
5.a.	Transfer jurisdiction over recyclable materials from the municipalities to the MRC and sign an agreement with EEQ
5.b.	Implement the new selective collection system
5.c.	Include all ICI that can be assimilated or are already served in the new selective collection system, according to the EEQ schedule
5.d.	Integrate other ICIs into the new selective collection system, in accordance with the EEQ schedule
Importance	OPTIMIZATION
Type of action	SERVICE
Start	2023
End	2027
Responsible	MRC (5.a., 5.b., 5.c., 5.d.)
Partners	Municipalities, EEQ
Monitoring indicator	Agreement with EEQ deployment schedule
Target groups	Residents, CRD and ICI
Global monitoring indicators	Quantity of landfilled waste Quantity of recyclable materials recovered
Expected results	Reducing tonnage of landfilled waste Increase in the tonnage of recyclable materials recovered

Orientation 3	Encourage and facilitate the recycling of organic materials
Specific objective	Promote the recycling of organic materials and extend organic material recycling throughout the MRC
Action 6.	Awareness and information campaigns on composting and the collection of organic materials
6.a.	Articles in local newspapers (Equity, Journal du Pontiac)
6.b.	Articles on the MRC Pontiac website
6.c.	Explanatory leaflets
Importance	CONTINUATION
Type of action	ISE (INFORMATION-SENSITIZATION-EDUCATION)
Start	2023
End	2030
Responsible	MRC (6.a., 6.b., 6.c.)
Partners	Municipalities
Monitoring indicator	Number of communications (target: 2 per year)
Action 7.	Implement a collection system for organic waste from the municipal sector and similar ICIs
7.a.	Raise awareness among municipalities and ICIs about organic waste management and composting
7.b.	Develop a decision-making tool for municipalities to forecast door-to-door collection costs
7.c.	Propose organic matter management solutions adapted to each municipality and in line with the royalty redistribution program (door-to-door collection, home composting, voluntary drop-off)
7.d.	Identify the organic matter processing method best suited to each municipality (windrow composting, backyard composting)
7.e.	Implement and monitor the various MO management systems
Importance	OPTIMIZATION
Type of action	SERVICE
Start	2023
End	2027
Responsible	MRC (7.a, 7.b., 7.c., 7.d.) and Municipalities (7.e.)
Partners	Consultant
Monitoring indicator	Number of municipalities with a MO management system (target: 18)
Action 8.	Implement a collection system for non-assimilable ICI organic materials
8.a.	Raise awareness among non-assimilable ICI about organic waste management and composting
8.b.	Conduct a study of organic materials produced by non-assimilable ICI and identify major generators
8.c.	Research and propose organic waste management solutions adapted to ICI "large generators" (schools, supermarkets, hospitals, etc.)
8.d.	Support ICI "large generators", monitor their organic matter management and encourage them to implement a management solution
Importance	OPTIMIZATION
Type of action	SERVICE
Start	2026
End	2030
Responsible	MRC (8.a., 8.b., 8.c., 8.d.)
Partners	ICI
Monitoring indicator	Number of ICI supported and tonnage of recycled MO
Target groups	Residents and ICI
Global monitoring indicators	Quantity of landfilled waste Quantity of organic materials recovered and composted
Expected results	Reducing tonnage of landfilled waste Increase in tonnage of organic materials recovered

Orientation 4	Promote the collection of household hazardous waste (HHW), end-of-life tires, agricultural plastics and electronic and refrigeration/air-conditioning appliances
Specific objective	Promote the recovery of HHW, end-of-life tires, agricultural plastics and electronic and refrigeration/air-conditioning appliances
Action 9.	Awareness and information campaigns on the recovery of HHW, end-of-life tires, agricultural plastics, electronic and refrigeration/air-conditioning appliances and drop-off sites in the MRC Pontiac, with a specific component for seasonal residents
9.a.	Articles in local newspapers (Equity, Journal du Pontiac)
9.b.	Articles on the MRC Pontiac website
9.c.	Leaflets explaining materials accepted at municipal reception sites sent to permanent and seasonal residents
Importance	CONTINUATION
Type of action	ISE (INFORMATION-SENSITIZATION-EDUCATION)
Start	2023
End	2030
Responsible Partners	MRC (9.a., 9.b., 9.c.) Municipalities
Monitoring indicator	Number of communications (target: 2 per year)
Action 10.	Allow voluntary drop-off of HHW, end-of-life tires, electronic and refrigeration/air-conditioning appliances at all municipal reception sites for permanent and seasonal residents
10.a.	Carry out an inventory of each municipal reception site (materials accepted, not accepted, equipment needs) and associated costs
10.b.	Set up special containers for various materials at municipal reception sites
10.c.	Transport containers to recycling facilities (tires: RecycQuébec, electronics: ARPE, refrigeration and air-conditioning equipment: GoRecycle)
10.d.	Register all unregistered receiving sites to the various programs: Réseau Éco-Peinture, Appel à Recycler, RecycFluo, Recyc Québec, ARPE, GoRecycle
Importance	IMPROVEMENT
Type of action	SERVICE
Start	2023
End	2026
Responsible Partners	MRC (10.a.) and Municipalities (10.b., 10.c., 10.d.) Organizations managing products under extended producer responsibility (REP)
Monitoring indicator	Number of municipal sites registered in each program (target: 14 municipal sites registered)
Action 11.	Create a network of drop-off points at municipal reception sites for the recovery of agricultural plastics
11.a.	Identify the most suitable drop-off points based on the distribution of agricultural producers in the area
11.b.	Sign the necessary agreements with AgriÉCUP
11.c.	Setting up reception sites and monitoring performance
Importance	OPTIMIZATION
Type of action	SERVICE
Start	2024
End	2026
Responsible Partners	MRC (11.a.) and Municipalities (11.b., 11.c.) MRC, MAPAQ, AgriÉCUP
Monitoring indicator	Number of drop-off points (target: 2)
Target groups	Residents and ICI
Global monitoring indicators	Quantity of HHW recovered
Expected results	Standardization of HHW accepted on the territory Increase in the tonnage of HHW recovered

Orientation 5	Promote and facilitate the collection of bulky items and CRD residues
Specific objective	Increase the current recovery performance of these residues
Action 12.	Awareness and information campaigns on the recovery of bulky items and CRD residues, with a specific focus on seasonal residents.
12.a.	Articles in local newspapers (Equity, Journal du Pontiac)
12.b.	Articles on the MRC Pontiac website
12.c.	Leaflets explaining materials accepted at municipal reception sites sent to permanent and seasonal residents
Importance	CONTINUATION
Type of action	ISE (INFORMATION-SENSITIZATION-EDUCATION)
Start	2023
End	2030
Responsible Partners	MRC (12.a., 12.b) and Municipalities (12.c.)
Monitoring indicator	Number of communications (target: 2 per year)
Action 13.	Allow the voluntary disposal of bulky items and CRD residues at all municipal drop-off sites for permanent and seasonal residents, and route these residues through the appropriate channels
13.a.	Carry out an inventory of each municipal reception site (materials accepted, not accepted, equipment needs) and associated costs
13.b.	Install special containers for these materials at municipal reception sites that are not equipped, and develop reception sites according to identified needs
13.c.	Send containers to recycling centers (bulky items: reuse, CRD residues: sorting center)
Importance	IMPROVEMENT
Type of action	SERVICE
Start	2023
End	2029
Responsible Partners	MRC (13.a.) and Municipalities (13.b., 13.c.)
Monitoring indicator	Number of municipal sites accepting bulky items and CRDs (target: 14)
Action 14.	Create a network of reuse stores at municipal reception sites
14.a.	Identify the most suitable depots according to various criteria (location, available space and infrastructure, etc.)
14.b.	Draw up budget forecasts, seek financing and define the operation of the reuse system (materials accepted, resale prices)
14.c.	Set up re-use stores, implement the re-use system and monitor performance
Importance	OPTIMIZATION
Type of action	SERVICE
Start	2024
End	2028
Responsible Partners	MRC (14.a., 14.b.) and Municipalities (14.c.)
Monitoring indicator	Number of second-hand stores (target: 3)
Action 15.	Modify municipal by-laws for the issuance of permits and require that CRD residues be sorted at the source and sent to an authorized sorting center
15.a.	Research examples of suitable by-laws and propose them to municipalities
15.b.	Modify municipal by-laws
Importance	CONTINUATION
Type of action	REGULATION
Start	2024
End	2030
Responsible Partners	MRC (15.a.) and Municipalities (15.b.) Lawyer
Monitoring indicator	Number of municipalities that have amended their bylaws

Target groups	Residents, CRD and ICI
Global monitoring indicators	Quantity of bulky items, scrap tires, CRD residues, agricultural plastics, electronics and household refrigeration/air-conditioning appliances recovered Quantity of materials reused
Expected results	Reducing tonnage of landfilled waste

Orientation 6 Implement a sludge management program for septic systems

Specific objective	Draw up an accurate portrait of the current situation and know the volumes of sludge to be emptied
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Action 16.	Establish a precise inventory of septic systems and sludge volumes generated on the MRC Pontiac territory
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Importance	CONTINUATION
Type of action	STUDY

Start	2023
End	2030

Responsible Partners	Municipalities MRC
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Monitoring indicator	Number of municipalities having carried out an inventory
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Action 17.	Establish a system for verifying septic tank emptying frequency
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Importance	CONTINUATION
Type of action	REGULATION

Start	2023
End	2030

Responsible Partners	Municipalities MRC
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Monitoring indicator	Number of municipalities having established a verification system
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Action 18.	Entrust septic tank sludge management to private contractors
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18.a.	Draw up calls for tender to select pumping companies to recycle sludge by agricultural spreading or treatment in an authorized center
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18.b.	Select the companies in charge of sludge emptying and recovery
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Importance	CONTINUATION
Type of action	SERVICE

Start	2023
End	2030

Responsible Partners	Municipalities MRC
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Monitoring indicator	Number of municipalities having awarded a contract
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Target groups	Residents
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Global monitoring indicators	Number of emptying operations Volume of sludge emptied Frequency of emptying operations
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Expected results	Respect of frequency of emptying operations
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Orientation 7	Consolidate current disposal of residual materials
Specific objective	Improving the recovery of residual materials
Action 19.	Examine the possibility of implementing waste-to-energy technologies to reduce the tonnages sent to landfill
19.a.	Participate in Phase II of the Outaouais regional approach to ultimate waste recovery (multi-criteria evaluation grid and regional consultation)
19.b.	Participate in phase III of the regional approach (techno-economic feasibility study and choice of technology and site)
Importance	CONTINUATION
Type of action	STUDY
Start	2023
End	2026
Responsible	MRC (19.a., 19.b.)
Partners	CREDDO, other MRCs and Gatineau
Monitoring indicator	Phase II and III Reports
Target groups	Residents, CRD and ICI
Global monitoring indicators	Phase II and III reports
Expected results	Choice of technology and location

Provisional budget

According to the provisional budget, expenses on human resources, external resources and communications required to implement the MRC Pontiac's PGMR will reach \$362,250 for the 2023-2030 period, or an average of \$45,281 per year.