RECYC-QUÉBEC
Québec

AT THE HEART OF THE ACTION, FOR RESPONSIBLE MANAGEMENT OF RESIDUAL MATERIALS.

VISION

MOBILIZE QUEBECERS
TO PROMOTE INNOVATIVE,
SUSTAINABLE MANAGEMENT
OF RESIDUAL MATERIALS.

**MANDATE** 

PROMOTE, DEVELOP, AND FOSTER THE REDUCTION, REUSE, RECOVERY, RECYCLING, AND RECLAMATION OF CONTAINERS, PACKAGING, MATERIALS, AND PRODUCTS WITH A VIEW TO CONSERVING RESOURCES.

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RECYC-QUÉBEC

3

# 3 CHALLENGES







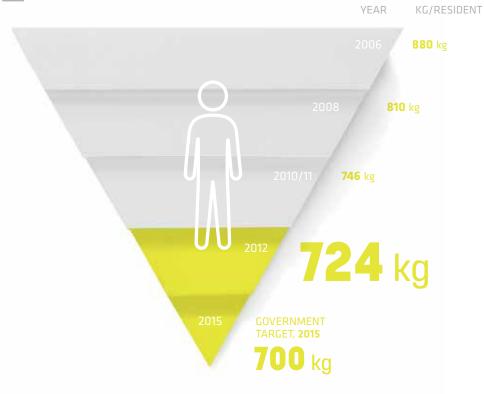
# HIGHLIGHTS

## DISPOSAL

RESIDUAL MATERIALS DISPOSED OF PER RESIDENT IN 2012 = 724 KG.

3%

(22 KG) REDUCTION SINCE 2011

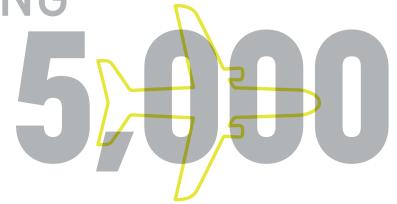


CURBSIDE RECYCLING

IN 2012, **1,095,000 TONS** OF RESIDUAL MATERIALS HAVE BEEN RECYCLED AT OUR VARIOUS SORTING CENTERS.

**5**% INCREASE

**SINCE 2010** 

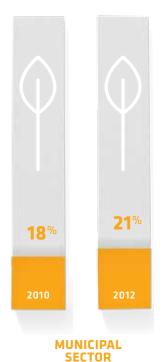


ONE MILLION TONS OF RESIDUAL MATERIALS IS THE EQUIVALENT OF **5,000 747 JETS!** 

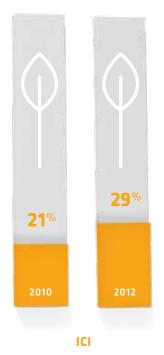
# ORGANIC MATTER

GOVERNMENT TARGET, **2015** 

60°/c



RECOVERY RATES FOR ORGANIC MATTER FOR THE **MUNICIPAL SECTOR** AS A WHOLE, INCLUDING SLUDGE, WAS **21%** IN 2012 (UP FROM 18% IN 2010), REPRESENTING AN INCREASE IN 112,000 TONS OF RECOVERED ORGANIC MATTER FOR THE PERIOD.



AROUND **29%** OF ORGANIC MATTER FROM THE **INDUSTRIAL, COMMERCIAL, AND INSTITUTIONAL (ICI) SECTOR** WERE RECYCLED IN 2012<sup>1</sup>, VERSUS 21% IN 2010.

# FINANCIAL ASSISTANCE PROGRAMS

Projects funded through RECYC-QUÉBEC financial assistance programs are designed to meet government targets to bring residual materials disposed of per resident down to 700 kg.

TO DATE, FUNDED PROJECTS HAVE SAVED **736,090 TONS** OF RESIDUAL MATERIALS FROM LANDFILLS, **A POTENTIAL REDUCTION OF 92 KG/RESIDENT**-AND THIS IS ONLY AT THE MID-TERM POINT OF PROGRAMS, (programs end in 2015).

FUNDED PROJECTS ARE AN IMPORTANT TOOL FOR INVEST-MENT WITH DEVELOPERS AND EXTERNAL PARTNERS.

**736,090 TONS** OF RESIDUAL MATERIALS = **896,000 TONS** OF CO<sub>2</sub>.

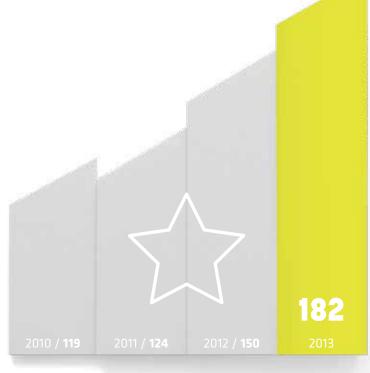


THE ICI ON RECYCLE! PROGRAM

PROGRAMS FOR INDUSTRIAL, COMMERCIAL, AND INSTITU-TIONAL (ICI) CLIENTELES TO SUPPORT THE MOVE TOWARD RESPONSIBLE RESIDUAL MATERIAL MANAGEMENT.

Performance level certification recognizes organizations that have implemented 4R principles (Reduce, Reuse, Recycle, Reclaim), conducted awareness activities, and reached high waste reclamation levels (at least 70%).

Level 3 is divided into three categories: bronze, silver, and gold, based on the percentage of materials the organization recycles or repurposes.



**INCREASE IN LEVEL 3 - PERFORMANCE -CERTIFIED ORGANIZATIONS** 

# THE QUÉBEC SCRAP TIRE RECYCLING PROGRAM

WITH OVER 10,000 COLLECTION POINTS ALL OVER QUÉBEC. THIS IS ONE OF THE MOST SUCCESSFUL AND COST-**EFFECTIVE PROGRAMS OF** ITS KIND IN CANADA.

**8 MILLION TIRES WERE** 



100% OF TIRES COLLECTED WERE RECYCLED (97%) OR REPURPOSED INTO NEW ENERGY (3%).

# ONWARD TOWARD OUR OBJECTIVES



My thanks also go out to the board members, including those who have moved on and new members who have joined us. I would also like acknowledge the outstanding work of my predecessor, Johanne Gélinas, who piloted the planning and implementation of RECYC-QUÉBEC's 2012–2017 Strategic Plan, guided by her astute, judicious vision of our organization's role.



Our progress at the plan's halfway point, currently under close scrutiny from myself and the whole board, is proof positive that every RECYC-QUÉBEC employee has more than done their part. We are unquestionably making steady progress toward achieving the objectives we set for ourselves two years ago. As per our mandate, we are focusing our efforts on making practices such as reduction at the source, reusing, recycling, and reclaiming—the 4 Rs—into a reality on the ground. We can be proud of our excellent results, but we couldn't do it alone: the public has answered the call, particularly in the field of recycling, as has the huge industrial, commercial, and institutional (ICI) sector. While maintaining our focus on individual participation we plan to step up our collaboration with ICI partners as we look for new solutions going forward.

We are also acutely aware of the education work that remains to be done, to improve the public understanding of the lifecycles of various materials. As a society, such an understanding will better equip us to act and make better choices in the name of the environment. And such an understanding is the foundation of reduction at the source, a critical issue and one that, as a sociologist, I consider especially important.

RECYC-QUÉBEC has a decisive role to play in building the environmental consciousness of all Quebecers. Every one of our actions and partnerships is helping make Québec a place where the residual materials generated by our individual and collective activities are managed for the well-being of all and the good of the environment we share. And I am deeply proud to be able to do my part!



MEETING OUR CHALLENGES, SURPASSING OUR OBJECTIVES

In 2013–2014 RECYC-QUÉBEC took concrete action to reassert our leadership in the field of residual materials management. More than ever before, we are driving progress and setting the standard for identifying key issues and mobilizing individuals and businesses throughout Québec.

Our priority this past year has been implementing operational processes based on our lines of business. This dynamic way of understandings the issues we face and managing our actions, in keeping with our position at the center of the value chain, has enabled us to be more agile and focused on our core business-residual materials management. We take a big-picture view of the situations facing us, which, coupled with the complementary expertise of our teams and our ties with stakeholders, enables us to quickly propose integrated, creative, efficient, and sustainable solutions. The wealth of positive feedback we have gotten from partners confirms it: our approach to customer service is highly appreciated, and it's working.

In a similar vein, we have developed closer relationships with partners all over Québec. I have personally undertaken a far-ranging tour of municipalities to meet stakeholders at every level of the residual materials value chain. Our discussions with stakeholders, along with the increasingly active presence of our key resource-people in the field, contribute to our quest to step up collaboration to better meet the day-to-day needs of our partners and our community.

One of the first things I noticed in my new position was the wide range of competencies possessed by RECYC-QUÉBEC management and employees. Their knowledge and deep-seated commitment, what we could without exaggeration call their sense of vocation, impress and inspire me. Our people are RECYC-QUÉBEC's "raw materials," the thread our success is woven from. What else can I say about employees, except a heartfelt "thank you."

I would also like to extend my sincere thanks to every board member, and to our board chair. Their trust and cooperation propel me forward in the work we do together, driven by their energy and our shared conviction in our ability to succeed. And we will not stop at simply achieving our objectives: we intend to surpass them.

The year ahead will undoubtedly be a challenging one on many levels. But rest assured that RECYC-QUÉBEC has the leadership to meet every challenge head-on, with even more vitality and creativity—there's no doubt in my mind!

**Benoît de Villiers** President and CEO

# 6 MAJOR PROJECTS

RECYC-QUÉBEC'S 2012-17 STRATEGIC PLAN SETS OUT OUR PRIORITIES FOR RESIDUAL MAYERIALS MANAGEMENT AND FOCUSES OUR ACTIONS ON 6 MAJOR PROJECTS THAT SUPPORT THE QUÉBEC POLICY ON RESIDUAL MATERIALS AND ITS 2011-2015 ACTION PLAN.



ORGANIC MATTER

REDUCTION AT THE SOURCE



PRODUCTS WITH SHORT LIFECYCLES



ICI AND CRD SECTORS



PRODUCTS WITH RECYCLED CONTENT



DEPOSIT RETURN RECYC-QUÉBEC

**6 MAJOR PROJECTS** 

#### 10

## 1/ORGANIC MATTER

#### **CHALLENGES**

#### / Develop markets

- / Enhance social acceptability and participation on the part of Quebecers
- / Develop efficient collection and treatment systems

#### ACHIEVEMENTS 2013-2014

- / Adoption of the Organic Matter Recycling Discussion Table's 2013-15 Action Plan
- / Evaluation of projects submitted to the Program for the Treatment of Organic Matter through Biomethanization and Composting (PTMOBC)
- / Formation of four committees to assess various types of business opportunities for organic materials in the agricultural, municipal, ornamental horticulture, and other fields

#### ONGOING ACTIONS

/ Action plan implementation, including 17 of the 35 actions undertaken in collaboration with three committees mandated to take part in operations and monitoring

# 2/REDUCTION AT THE SOURCE

#### CHALLENGES

/ Mobilize residual materials management (RMM) stakeholders to dialogue and work together

/ Identify the actions required to achieve desired results

#### ACHIEVEMENTS 2013-2014

/ Four special mentions of "reduction at source" in the ICI ON RECYCLE! program

/ Analys<mark>is</mark> of a financial assistance program and a round table on reduct<mark>i</mark>on at the source

#### ONGOING ACTIONS

/ Developing strategy, operations, and a funding structure for reduction at the source

# 3/PRODUCTS WITH SHORT LIFECYCLES

#### CHALLENGES

/ Develop measures to ensure that products with short lifecycles bear the cost of the social and environmental impacts they cause

/ Encourage the use of products with long lifecycles

#### ACHIEVEMENTS 2013-2014

/ Project structure developed

#### ONGOING ACTIONS

/ Lifecycle analysis on reusable cups and single-use cups for hot beverages

# 4/ICI AND CRD SECTORS

#### **CHALLENGES**

/ Enhance performance in government ministry and agency buildings

/ Develop collective recycling systems for industrial parks and commercial concentrations

/ Help ICI with the ban on disposal of paper, cardboard, and wood

/ Help the industry develop markets

#### ACHIEVEMENTS 2013-2014

/ Partial funding of a residual materials management best practices guide for Association patronale des entreprises en construction du Québec (APECQ)

/ Involvement in various committees to discuss and promote dialogue on industry-specific issues (fine dust fractions committee, wood disposal ban committee, mixed MDDELCC-3R MCDO committee)

/ Surv<mark>e</mark>y evaluating ICI ON RECYCLE! <u>program with</u> certified clienteles

#### ONGOING ACTIONS

/ Exhaustive analysis of behavior programs for ICI ON RECYCLE!-certified clienteles and representatives of VISEZ juste!

/ Evaluation of support measures for container and packaging recovery for the agricultural sector

/ Financial support for the joint RMM measures in the ICI sector

# 5/RECYCLED CONTENT PRODUCTS

#### **CHALLENGES**

/ Promote recycled-content products with manufacturers, develop recognition

/ Incite companies and purchasers to modify purchasing policies to integrate recycled-content products

/ Help industry develop markets

#### ACHIEVEMENTS 2013-2014

/ Finalization of recycled-content products commercialization plan

V Analysis of RECYC-QUÉBEC's current listing of recycled-content products

#### ONGOING ACTIONS

/ Creation of review committee to update recycled-content products action plan

# **6/DEPOSIT** RETURN

#### CHALLENGES

/ Improve the operational management of the deposit system

#### ACHIEVEMENTS 2013-2014

Implementation of study on handling costs of deposit products for retailers

#### ONGOING ACTIONS

/ Study comparing beverage container recovery rates in the deposit and curbside recycling systems

# LINES OF BUSINESS

FINANCIAL ASSISTANCE PROGRAMS

MANAGE AND ENSURE
THE COMPLIANCE OF
OPERATIONAL PROGRAMS
(DEPOSIT, CURBSIDE RECYCLING, TIRES)

OVERSEE EXTENDED
PRODUCER RESPONSIBILITY
(EPR) AGREEMENTS

MANAGE BEHAVIOR PROGRAMS

EDUCATE QUEBECERS
ABOUT RESIDUAL MATERIALS
MANAGEMENT

MOBILIZE RMM VALUE CHAIN STAKEHOLDERS

# FINANCIAL ASSISTANCE PROGRAMS

#### ROLES

/ Manage the various financial assistance programs available from RECYC-QUÉBEC

/ Support recycling industry initiatives and projects

/ Analyze all applications to standardized programs for financial assistance

# IN 2013/14, OUR FINANCIAL ASSISTANCE PROGRAMS INVESTED OVER \$8.3 MILLION

#### IMPLEMENTATION OF TECHNOLOGIES AND PROCEDURES AND MARKET DEVELOPMENT

/ Designed to improve residual materials processing operations, particularly in the Construction, Renovation, and Demolition (CRD) sector, and find new markets for reclaimed materials

10 PROJECTS FUNDED, OVER \$2,5 MINVESTED

SOCIAL ECONOMY AND COMMUNITY MOBILIZATION

/ Designed to support social economy enterprises and community groups acting on the ground in residual materials reuse initiatives and spearheading change in the community

39 PROJECTS FUNDED, OVER

\$2 M

#### IMPROVING RMM IN ICI SECTOR

/ Provide funding to produce and implement an institutional residual materials management plan, including purchasing required equipment

304 PROJECTS FUNDED, OVER

\$2,8 M

#### SUPPORT PROGRAM FOR SORTING CENTERS AND CURBSIDE RECYCLING

/ Designed to support sorting centers to improve performance and quality of end products

6 PROJECTS FUNDED, OVER \$500,000

INVESTED

#### SCRAP TIRE TREATMENT CENTERS

/ Designed to boost productivity and competitiveness and spur investment in the tire recycling industry. The program helps improve tire processing centers by optimizing productivity, enhancing finished product quality and added value, and diversifying product range

\$500,000 INVESTED

#### GRADUATE SCHOLARSHIPS

/ For a fifth year running, RECYC-QUÉBEC has offered master's and Ph.D. students scholarships designed to support research that will contribute to the advancement of knowledge and know-how in the field of responsible RMM

5 MASTER'S SCHOLARSHIPS

\$3,000

3 PH.D. SCHOLARSHIPS

\$6,000

#### **ACHIEVEMENTS**

#### / PRELIMINARY ECONOMIC SPIN-OFFS

Financial assistance programs represent a financial measure for funding investment by developers and external partners that yields \$4.26 for every dollar invested by RECYC-QUÉBEC.

#### / PRELIMINARY ENVIRONMENTAL SPIN-OFFS

Funded projects aim to keep 736,090 tons of material out of landfills. This 92 kg reduction is an important step toward achieving the government's objective of bringing waste levels down to 700 kg per resident by 2015.

# MANAGE AND ENSURE THE COMPLIANCE OF OPERATIONAL PROGRAMS

(DEPOSIT RETURN, CURBSIDE RECYCLING, TIRES)

#### ROLE

/ Ensure compliance with laws, regulations, and agreements.

#### **DEPOSITS**

THE RECOVERY RATE FOR NONREFILLABLE CONTAINERS (NRC) IS CONSTANTLY IMPROVING: GOOD NEWS FOR THE ENVIRONMENT, THANKS TO PUBLIC AWARENESS CAMPAIGNS.

**72**%



THE RECOVERY RATE FOR REFILLABLE CONTAINERS (RC) HAS HELD STEADY AT 98%.

98%



THE TWO DEPOSIT ASSOCIATIONS—CONSIGNECO, REPRESENTING QUÉBEC BREWERS, AND CONSIGNACTION, REPRESENTING THE SOFT-DRINK INDUSTRY—ARE RESPONSIBLE FOR INFORMING AND EDUCATING CONSUMERS TO IMPROVE RECOVERY RATES.

#### CONSIGNACTION PUBLIC AWARENESS CAMPAIGN WITH BOUCAR DIOUF

In 2013 BGE brought spokesperson Boucar Diouf back for a second advertising campaign to promote the bottle deposit and return system. Messages encourage the public to install and use recycling facilities outside of their homes. The campaign was rolled out on TV, on the radio, and online, and truly connected with appreciative audiences.

OVER

6,000 BUSINESSES RESPONDED

#### **CONSIGNECO PUBLIC AWARENESS CAMPAIGN**

2013 marked a shift toward an emphasis on making a contribution through the deposit system: partnerships between business and community groups were encouraged. And the campaign delivered results.

A media offensive was launched. The title: "Wanted, 462.5 million containers with deposit" led to 22 interviews and some 20 articles, and encouraged 20 businesses and over 170 new organizations to sign up for the partnership initiative.

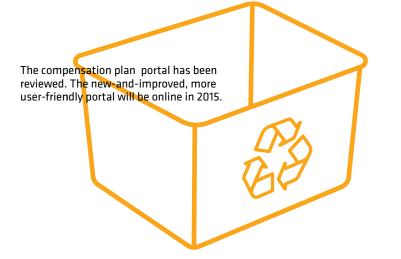
**TIRES** 

8 M

**120 M**TIRES SINCE 1993

# IN 2013, 8 MILLION PASSENGER CAR TIRE EQUIVALENTS (PTE) HAVE BEEN RECYCLED /All these tires have been taken by Québec companies and transformed into a wide range of products—blasting mats, agricultural or industrial flooring, floor underlays, floor tiles, soundproofing materials, manhole gaskets rings, wheels for plastic bins, planters, signage accessories, speed bumps, soccer fields, mats for sports centers (arenas, gyms), and mud guards THE PROGRAM IS ONE OF THE MOST SUCCESSFUL IN CANADA /Renewal of the 2013–14 Québec Scrap Tire Management Program

CURBSIDE RECYCLING COMPENSATION PLAN



S170 M
PAID TO 554 MUNICIPAL
ORGANIZATIONS<sup>1</sup>

#### THE "TO BIN-OR NOT TO BIN?" CAMPAIGN

RecycleMédias, a RECYC-QUÉBECcertified company, works with newspapers required to provide in-kind compensation (advertising). The campaign presented items that cannot be placed in recycling bins along with information on the proper place for them to be recycled. The campaign's media strategy was crafted to reflect the seasons and the media environment—e.g., a cell phone for business sections of the newspaper, or a computer for back-to-school. With a full media calendar for the entire year, the campaign finished with high participation rates and understanding of the message.

CAMPAIGN RECOGNITION **31%** (BENCHMARK: 20%)

MESSAGE COMPREHENSION **73%** (BENCHMARK: 45–50%)

**76%** OF RESPONDENTS GAVE AN APPRECIATION GRADE OF **7/10 OR HIGHER** 

## **OVERSEE EXTENDED** PRODUCER RESPONSIBILITY (EPR) AGREEMENTS

#### **ROLES**

/Recognize bodies responsible for the recovery and reclamation of regulated products and track their obligations and activities

/ Help recognized management organizations (RMO) handle changes in roles and responsibilities with respect to the collection of products subject to extended producer responsibility, and resulting issues

#### **ACHIEVEMENTS**

/ Implementation of a working table on reuse of electronic products

/ Creation and broadcast of a fun video on the EPR value chain and recovery and reclamation of EPR products, for citizens and ICI sector

#### **PRODUCTS**

#### **PAINT PRODUCTS**



#### **OILS, COOLANTS, AND ANTI-FREEZE**

filters; coolants and antifreeze



#### **MERCURY LIGHT BULBS**

Fluorescent tubes, compact



#### **BATTERIES**

#### **ELECTRONIC DEVICES**

printers, scanners, fax

in 2013: audio, video, and other accessories



# MANAGE BEHAVIOR PROGRAMS

#### **ROLES**

/ Help our clientele attain a high level of performance by adopting best residual materials management practice / Deploy behavior programs

/ Develop support tools

/ Assess program performance

DEPLOYED IN

BUILDINGS

#### VISEZ JUSTE!

This program is specifically designed to help government ministries and agencies speed up implementation of reduction at source, reuse, recycling, and reclaiming (4R) services in their own buildings, and reinforce existing responsible consumption habits.

VISEZ juste! has been deployed in some 170 buildings. Studies are under way to consider whether it could be implemented in other parts of Québec. Custom tools designed for the program include INFO VISEZ juste!, an e-newsletter that provides program users with a wealth of information, and easy-to-use tools to help efficiently manage residual materials.

ORGANIZATIONS RECEIVED
LEVEL 3 CERTIFICATION

#### ICI ON RECYCLE!

The program highlights the efforts of ICI sector organizations that have incorporated sound residual materials management into their operations.

/182 organizations received a Level 3 – Performance certificate in 2013 /4 special mentions for "Reduction at Source"

Organizations that have earned ICI ON RECYCLE! status receive their certificate at one of 14 certificate award ceremonies, organized in partnership with local chambers of commerce and regional environmental councils. This new initiative has been instrumental in educating and raising awareness with close to 2,000 representatives from the ICI sector of the importance of the 4 Rs and their role as key stakeholders in meeting government targets.

# REQUESTS FOR

INFORMATION ANSWERED

#### RMMP

Support for municipalities in revising their Residual Materials Management Plans (RMMP).

#### / First revised RMMP implemented (Memphrémagog RCM)

/ Distribution of first monthly newsletter (*Info PMGR*) for residual materials management planners

/ Answered over 150 requests for information

/ Provided clientele with around 10 support tools (Info PGMR, assessment and compliance checklists, legal frameworks, sample public notices, etc.)

# EDUCATE QUEBECERS ABOUT RESIDUAL MATERIALS MANAGEMENT

#### **ROLES**

/ Educate target audiences in order to stimulate a voluntary change in behavior by focusing on arguments to promote the desired behavior, as well as obstacles, and methods of influencing behavior / Establish a public knowledge base defining target clienteles for our actions and awareness-building strategies to influence those most likely to adopt desired behaviors, and position ourselves to best address these target clienteles

#### **ACHIEVEMENT**

2013–14 was the first year for this line of business. Our new initiatives, addressed at both the general public and the ICI sector, are as follows:

# BEHAVIOR STUDIES ON THE STATE OF ADVANCEMENT OF BEHAVIORS OF QUEBECERS

/ EVALUATE THE SUCCESS OF ICI ON RECYCLE! AND VISEZ JUSTE! BEHAVIOR PROGRAMS WITH TARGET CLIENTELES

/ CONDUCT A SEGMENTATION STUDY AND DEVELOP
A PORTRAIT OF BEHAVIOR AND THE GENERAL ATTITUDE
OF QUEBECERS TOWARD THE 4 RS

AWARENESS AT THE MUNICIPAL LEVEL, THROUGH THE WORK OF AWARENESS AGENTS AND INVENTORYING SUCCESS FACTORS AND CHALLENGES FOR IMPLEMENTING SUSTAINABLE PRACTICES

/ The Education line of business in residual material management supports the organization's initiatives to affect changes in citizens' behavior.

### MOBILIZE RMM VALUE CHAIN STAKEHOLDERS

#### **ROLES**

/ Mobilize value chain stakeholders to work together to prevent or manage existing or potential systemic obstacles / Work with community stakeholders to develop and implement solutions to improve the efficiency and performance of the curbside recycling and putrescible organic matter sectors

/ Develop a common stakeholder stance to speed up the achievement of tangible results in reducing waste disposal

#### **ACHIEVEMENTS**

**JOINT COMMITTEE ON** RECYCLABLE MATERIALS FROM CURBSIDE RECYCLING / Ongoing implementation of the 2012-2015 Action Plan of the Joint Committee on Recyclable Materials from Curbside Recycling.

**RESULTS** Out of 37 actions, 7 have been carried out and 17 are in progress, with the participation of 4 working groups formed of various Joint Committee members. / Formation of two special Joint Committee subgroups to address specific issues, such as glass and plastic, bringing together some 15 stakeholders from the curbside recycling value chain.

**RESULTS** Action plans have been made up to find practical shortand long-term solutions to resolve related issues.

ORGANIC MATTER RECYCLING **DISCUSSION TABLE** 

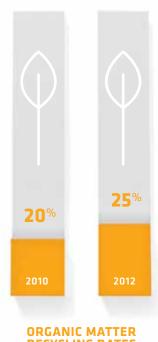
GOVERNMENT **TARGET. 2015** 

To meet the objectives of recycling 60% of organic matter by 2015, and banning organic matter from landfills by 2020, RECYC-QUÉBEC created the Organic Matter Recycling Discussion Table in 2012, bringing together key actors from throughout the community.

In 2013 the Discussion Table adopted the 2013-15 Action Plan, with four focus areas, and began implementing the plan.

**RESULTS** 17 of 35 actions have been undertaken by the RECYC-QUÉBEC team, in collaboration with three implementation committees.

/ 4 committees have also been formed to evaluate the various types of market opportunities available for organic matter in the agriculture, municipal, and ornamental horticulture sectors, among others.



**RECYCLING RATES**