



# Approach to develop the material contribution table

based on the curbside recycling value chain

Informative webinar for contributing companies

# Presenters

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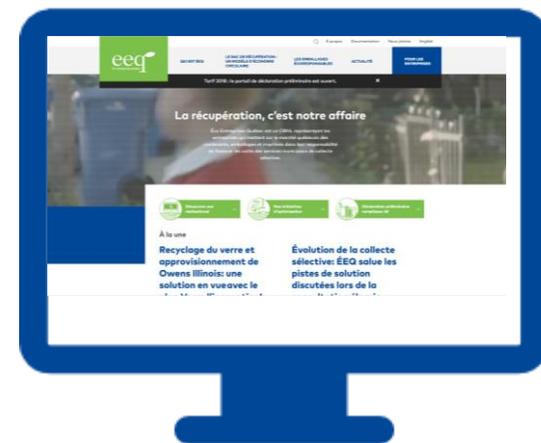
## Marie Julie Bégin

Vice-President  
Compensation Plan



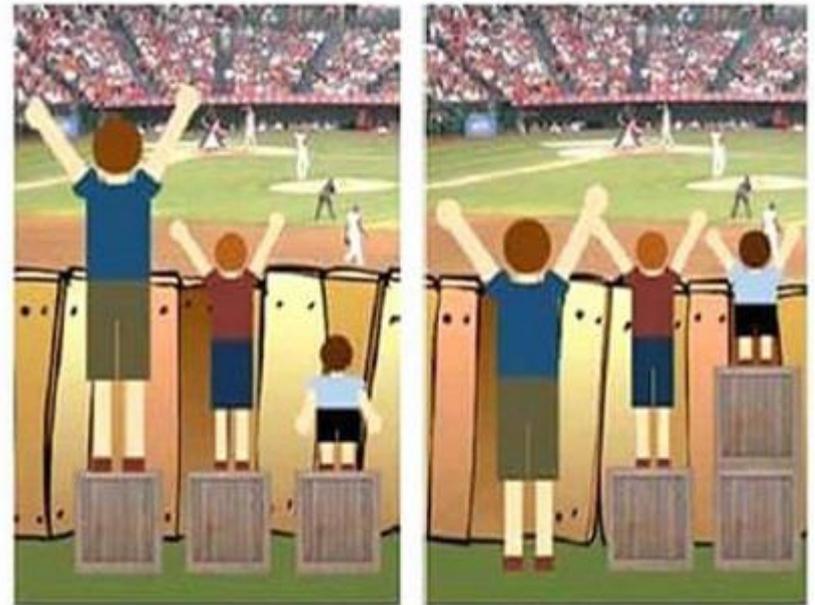
# Objectives of the webinar

- Provide information on:
  - Aims of the approach
  - Approach
  - Next steps
- Provide you with the opportunity to:
  - Ask questions on the process
  - Take part in personalized meetings when necessary



# Why undertake this project?

- **Further develop the Schedule of Contributions (SoC) to account for:**
  - » the performance of the materials in the curbside recycling value chain including ecodesign
  - » the end-of-life management of CP&PM\* to ensure fairness
- **Identify opportunities to enhance CP&PM recovery and recycling**



\*CP&PM: Containers, packaging and printed matter

## + This approach aims to

Analyze each material based on rigorous criteria

Review the method to establish the aggregated materials rates

Revisit the *Others* materials class

Integrate the findings into the 2020 Schedule of Contributions

## - This approach does not lead to

Changes in the total costs of the municipal programs that are compensated

Changes in the rate formula

# Objectives of the approach

- Foster fairness between materials and a review of the aggregated materials
- Create support for the findings for each material in the SoC
- Expand the contribution table based on:
  - » sorting practices
  - » impact (disruption) of sorting and conditioning activities
  - » markets based on circular economy
  - » consideration for ecodesign criteria
- Identify new environmental criteria (ecodesign) and opportunities to optimize the most disruptive CP&PM





## How does this impact you?

- Build the accountability of contributing companies with regard to the environmental consequences of the materials that are generated
- Highlight the link between
  - » the nature of the materials that are used
  - and
  - » their recovery and recyclability



**Analysis methodology**

# Approach to develop the contribution table: key steps

Key steps to revise the list of targeted materials and rates for aggregated materials:

1

Evaluation based  
on performance  
criteria

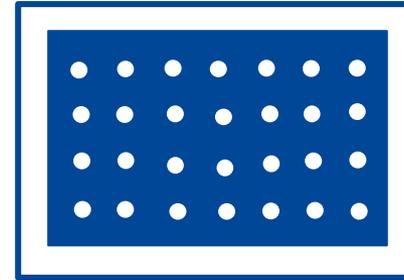
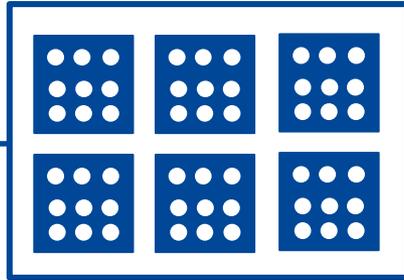
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Evaluation based  
on criteria for  
aggregated  
materials

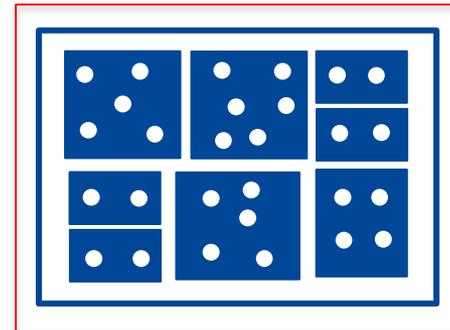
3

Determination of  
the list of  
designated  
materials and rates  
for aggregated  
materials

Currently  
30 materials  
15 aggregated  
materials

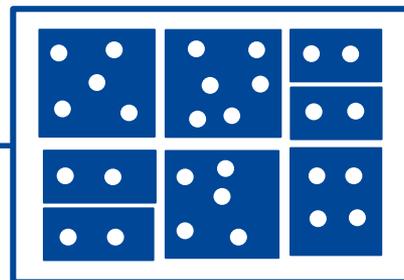


End step 1  
30+ materials  
0 aggregated  
materials



Validation process

End step 3  
30+  
materials  
X aggregated  
materials



End step 2  
30+ materials  
X aggregated materials

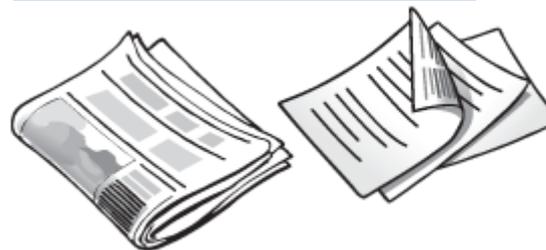
# Analyzed materials identified based on characterization studies

50 types of CP&PM are considered in the characterization studies

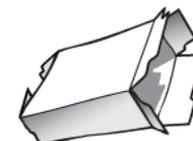
## Containers



## Printed materials



## Packaging



### Une caractérisation municipale des matières résiduelles en quatre volets

Dans le but d'une collaboration de longue date visant à développer l'intelligence d'affaires de la collecte sélective, Eco-Enterprises Québec et RECYC-QUÉBEC ont, à plusieurs reprises, conjointement une étude de caractérisation des matières résiduelles. Cette fois-ci, l'étude de caractérisation couvre tout le secteur municipal et se définit en quatre volets :

- résidentiel (2015-2017);
- hors foyer (2016);
- industries, commerces et institutions (ICI) (2016);
- centres de tri (2017).

Ce projet d'enquête provinciale permet d'offrir un portrait complet de la génération des matières résiduelles prises en charge par les programmes municipaux de collecte sélective.

La présente fiche, première d'une série, porte sur la collecte sélective des matières recyclables du secteur résidentiel. Un portrait complet du secteur résidentiel, incluant les résultats pour les déchets et les matières organiques, sera présenté ultérieurement dans le rapport de fin d'étude qui sera produit à l'automne 2018.

#### LA NOUVELLE CARACTÉRISATION DES MATIÈRES RÉSIDUELLES DU SECTEUR RÉSIDENTIEL, EN QUATRE VOIETS

L'étude de caractérisation des matières résiduelles du secteur résidentiel 2015-2017 se différencie de celles des dernières années par sa méthodologie. Effectuée sur une seule année, les dernières caractérisations offraient un portrait instantané de la situation. La nouvelle approche s'étend sur une plus longue période, soit trois ans, et utilise une moyenne dite « mobile » qui permet de mieux l'évaluation de la situation sous forme de tendance. Plus précisément, au fur et à mesure que de nouvelles données seront disponibles, les données les plus anciennes utilisées pour calculer la moyenne mobile seront remplacées par les données les plus récentes.

Pour les deux premières années de l'étude, soit 2015 et 2016, les résultats publiés consistent les données de la caractérisation 2012-2013, en plus des données obtenues pour les années en question.



Available at  
[http://www.eeq.ca/wp-content/uploads/caracterisation\\_residentielle\\_finale\\_2012-2016-1.pdf](http://www.eeq.ca/wp-content/uploads/caracterisation_residentielle_finale_2012-2016-1.pdf)



# Performance criteria

The criteria aim to assess

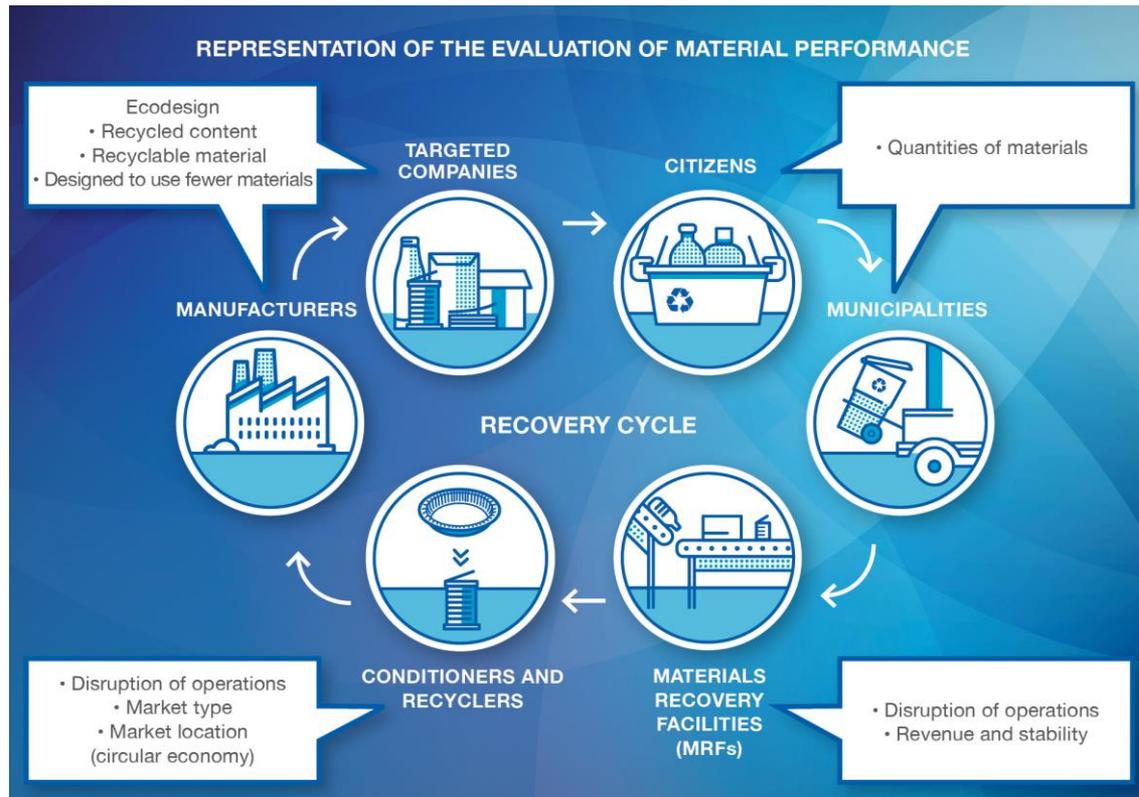
1. Ease of recovery and recycling
2. Stability of sales prices and markets
3. Ecodesign

Values that guide the choice of criteria

- Simplicity
- Rigour
- Practicality

# Performance criteria

Performance criteria are set out to follow the logic of the value chain



# Performance criteria

## Eight criteria to assess the materials in the value chain

1. Material source
2. Disruption in Material recovery facilities (MRFs)
3. Ease of catchment in MRF
4. MRF revenue
5. Recycling disruptions
6. Market types
7. Circular economy (market locations)
8. Ecodesign

# Analysis based on expertise

## Compensation plan

- Materials rates
- Municipal studies and data



## Optimization services

- Services to municipalities
- Ecodesign and circular economy
- Sorting and recycling technologies

## Experts in recyclables processing

- MRFs (various sizes)
- Recyclers (various materials)

# Next steps

## Summer 2018

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- Determination of the grid to evaluate the performances of the materials in the value chain
- Determination of the criteria for aggregated materials in the contribution table

## Fall 2018

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- Presentation of aggregated materials criteria to companies (October 2018)
- Evaluation of material performances in collaboration with value chain experts

## Winter 2019

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- Evaluation of materials based on criteria for aggregated materials
- Presentation of the results of the exercise and new aggregated materials to companies (for the 2020 SoC)

# Criteria for aggregated materials

The following criteria must be considered:

- Conditioning in MRFs
- Results of the performance assessment
- Costs obtained through activity-based costing (ABC)

Values that will guide the choice of criteria:

- Fairness between materials
- Simplicity of the reporting process
- Coherence with other Canadian programs

# Conclusion

Development of the material contribution table according to the curbside recycling value chain

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**Necessary to continue to ensure the evolution of the SoC and fairness between materials and build the accountability of companies with regard to the materials they generate**



Questions?



**Thank you!**

