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Quebec's Organics Disposal Ban Strategy

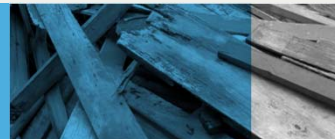
Webinar – NZWC Food Working Group

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RECYC-QUÉBEC's mission and role

- Crown corporation agency founded in 1990, which falls under the supervision of the Minister of Sustainable Development, Environment and the Fight against Climate Change
- Aims to promote and develop the reduction, reuse, recovery and recycling of containers, packaging, products and residual materials
- Responsible for all new action plans or programs regarding waste management in Quebec
- Working closely with the Ministry, who is in charge of regulations and conformity



Context

- Organic matter represent more than 40 % of the 5 millions tons of residual materials landfilled or incinerated each year in Quebec
- Principal source of GHG emissions linked to waste management
- Disposal ban strategy identified as the best way to achieve recycling goals
- All sectors of generation are included (residential, industrial, commercial, construction and demolition)
- Materials targeted by the disposal ban strategy :
 - Paper/cardboard
 - Wood
 - Organic matter (yard and food waste, sludge)



Paper/cardboard

- 1,1 M tons recovered in 2015 from municipal and private sector
- 542 000 tons estimated to be landfilled (based on a 2011 characterization study)
- Quebec paper mills have recycled more than 660 000 tons in 2015
- Nearly 450 000 tons send to brokers or overseas markets
- Recovery and recycling issues include :
 - Residential recovery is lagging
 - Quality and contamination of baled mixed papers
 - Few local markets (QC or North America)
 - Restrictions to overseas markets such as China



Wood

- 444 000 tons recovered in 2015 by private sorting centers of C&D materials
 - 37 % goes to recycling facilities
 - 62 % goes to waste-to-energy facilities
- 415 000 tons estimated to be landfilled (based on a 2011 characterization study)
- Recovery and recycling issues include :
 - 50 private C&D sorting centers and 250 municipal depot centers
 - Different level of contamination
 - Few recycling markets
 - Treated wood

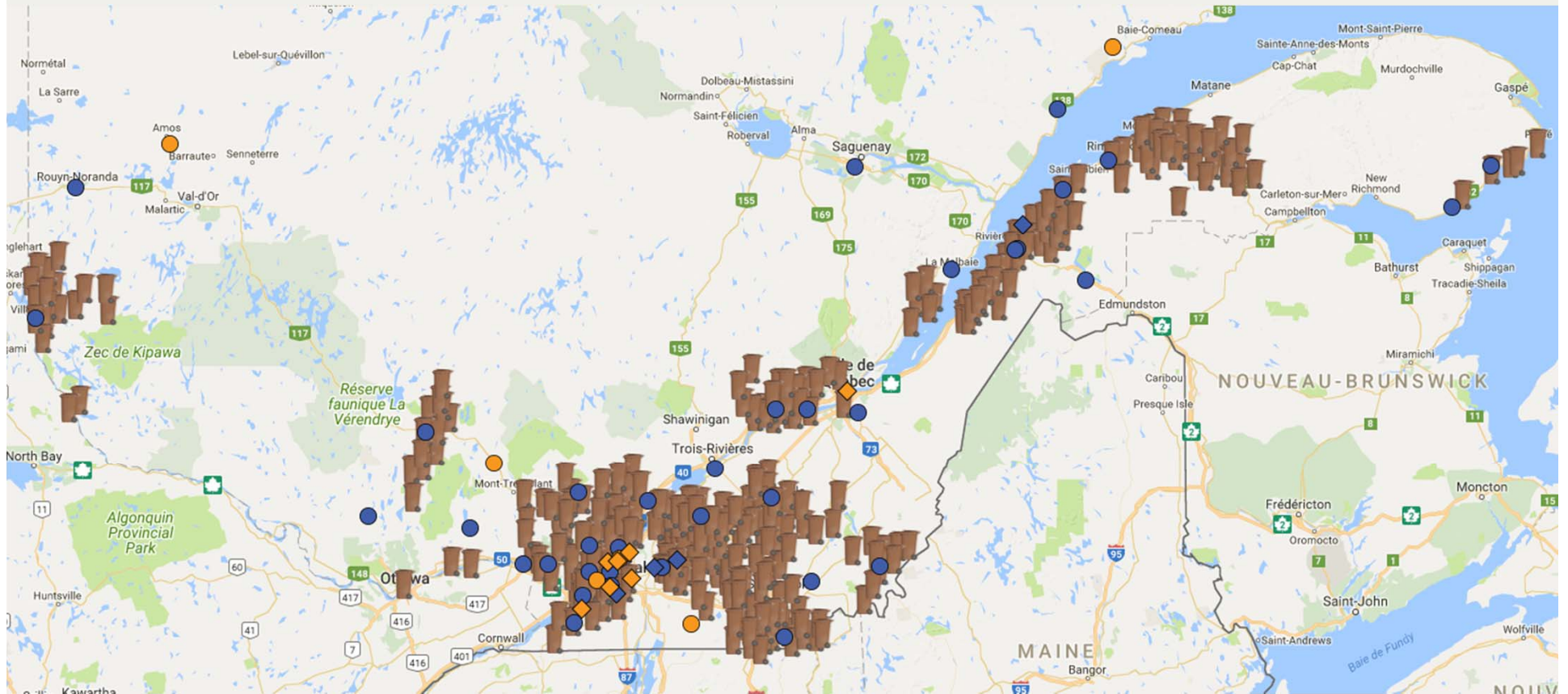


Organic matter - municipal sector

- 256 000 tons of yard and food waste recycled in 2015
- More than 1,2 M tons still landfilled or incinerated (excluding biosolids)
- Municipal recycling rate of 17 % (target for 2015 was 60 %)
- Recovery and recycling issues include :
 - Only 1/3 of municipalities have organics collection in place
 - Some recycling infrastructures are planned in the next years
 - Quality and contamination of recovered organics
 - Markets for compost



Organic matter- municipal sector (2)



RECYC-QUÉBEC (2017) – [Municipal organics collection and recycling infrastructures map.](#)



Organic matter - municipal sector (3)

- 431 000 tons of biosolids (sewage and septic tank sludge) recycled in 2015
- 420 000 tons still landfilled or incinerated
- Recycling rate of 51 % (target for 2015 was 60 %)

- Global recycling rate for organics in the municipal sector was 29 % in 2015



Organic matter – industrial and commercial sector

- 367 000 tons of paper mills sludge and putrescible waste recycled in 2015
- Nearly 700 000 tons still landfilled or incinerated
- Recycling rate of 34 % (target for 2015 was 60 %)
- Recovery and recycling issues include :
 - Low recycling of food waste from industrial and commercial sectors (3 % in 2015)
 - Few collection services
 - Low landfill cost for paper mills
- Global recycling rate for industrial and commercial sector (food industry excluded) was 19 % in 2015 (target was 60 %)



Initial plan and timeline

- 2011 : Adoption of the Quebec Waste Management Policy and its action plan for 2011-2015
 - Targeted recycling rate for organics of 60 % by 2015
 - Disposal bans for paper and wood planned for 2013 and 2014
 - Global organics disposal ban strategy to be implemented for 2020
- 2012 : [Disposal ban in Québec : Present status and prospects](#) document released, including overview of other experiences
- Organics ban was to be enforced at disposal sites
- Programs and tools put in place to increase recovery and recycling as a basis for disposal ban implementation



Funding programs

- [Composting and anaerobic digestion infrastructures implementation program](#)
 - Global budget of 650 M\$, more than 1,3 G \$ investment
 - Facilities are to be operational before Dec 31st 2022
 - 12 projects approved
 - Program managed by the Ministry
- [Residential and communal composting program](#)
 - Initial budget of 2 M\$
 - For smaller or isolated municipalities or communities
 - Only one project approved yet
 - Program will be managed by RECYC-QUÉBEC



Incentives

- Incentives regarding organics management included in the [Charges payable for disposal redistribution program](#)
 - Redistribution program for municipalities based on their territorial waste management performance
 - For 2017 : incentive regarding collection and recycling of residential yard and food waste
 - For 2018 : incentive regarding the absence of municipal regulation prohibiting the land application of biosolids on farmland



Information and support

- Waste management plans revised by municipalities in 2016-2017 including their proposed actions regarding organics collection and recycling
- Support from RECYC-QUÉBEC regarding collection and recycling options ([studies and information](#) online)
- 2 awareness and education campaigns in preparation :
 - Encourage food waste reduction
 - Encourage citizens to participate in municipal organics collection
- Training program and other tools for municipalities coming up in 2018



Studies

- [Portrait of waste management in Quebec for 2015](#)
 - Updates to be conducted for 2018 and 2020
- Residential waste composition study for 2015-2017
 - To be released in 2018
 - Information on composition and amount of waste in each municipal collection services (waste, recyclables and organics)
- Composition study on waste sent to landfills or incinerators to be conducted in 2018 (municipal, industrial and commercial, C&D sectors included)



Next steps

- Revised disposal ban strategy underway
- Pending cabinet approval, stakeholders consultation at the beginning of 2018
- Adoption and implementation of the final strategy in 2018
- New action plan for Quebec for the 2017-2021 period is in final steps of preparation



QUESTIONS?

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