

Award Report RFP-19-060:

Organics Management Infrastructure and Long-Term Operating Contract

Regional Council Meeting

Dec 1, 2020

AGENDA

- Organics Management Strategy
- Procurement Process
- Evaluation and Recommended Solution
- Financial Impact



Ragged Lake Composting Facility

ORGANICS MANAGEMENT STRATEGY

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Timelines:

- 2014 Strategy Review
- 2014/2015 Facility Assessments + Business Case
- 2016 Public Engagement
- 2017 Regional Council approved the Organics Management Strategy

**SHAPE YOUR
CITY**
get engaged!

ORGANICS MANAGEMENT STRATEGY

Key Strategy Points:

- ✓ Proven technologies and companies
- ✓ Primary outputs - compost/fertilizer/soil amendment; biogas can be a by-product
- ✓ New facilities in HRM will only be developed at existing composting facility sites
- ✓ Cost will not be the only deciding factor
- ✓ Grass, compostable plastics, and pet waste will not be considered as program changes

Compost Matters



ORGANICS MANAGEMENT STRATEGY

Objectives:

1. Minimize costs to HRM, including reducing current processing costs
2. Minimize impact to the community (ODOURS!)
3. Meet the 2010 NS Environment Composting Guidelines
4. Increase capacity from 50,000 tonnes to 60,000 tonnes per year, with the option to increase to 75,000 tonnes per year in the future



PROCUREMENT PROCESS

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Approach:

- Technology neutral
- Request for Qualification – completed in 2017
 - Pre-qualified 4 teams, 6 solutions
- Request for Proposal
 - Based on Council approved key term (2018)
 - Interim operations + 25-year Design-Build-Own-Operate-Transfer (DBOOT)



PROCUREMENT PROCESS

Scoring Matrix

Criteria	Points	Minimum Required to Pass
Community Impact	20	12
Technical	40	24
Total Community Impact + Technical	60	42
Financial	40	N/A
Total	100	N/A

EVALUATION AND RECOMMENDED SOLUTION

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Evaluation:

Team Name	Technology	Team Composition
Harbour City Resources	In-vessel composting	Owner – Maple Reinders PPP and AIM Group Capital Constructor – Maple Reinders Construction Designer – CBCL Limited Technology Provider – Waste Treatment Technologies Operator – AIM HCR
SCM Organics	High solid anaerobic digestion	Owner – Municipal Enterprises Constructor – Dexter Construction Designer – Dillon Consulting Limited Technology Provider – Eisenman, Suez, Entsorga Operator – SCM Operations
SCM Organics Solutions	In-vessel composting	Owner – Municipal Enterprises Constructor – Dexter Construction Designer – Dillon Consulting Limited Technology Provider – Sorain Cecchini (SCT) Operator – SCM Operations
Citadel Organics	High solid anaerobic digestion	Owner - StormFisher Constructor – Ellis Don Designer – East Point Engineering Technology Provider – RRT Evergreen Solutions, HZI, and Cesaro Mac Operator - StormFisher



Harbour City Resources
Highest Ranking Submission

EVALUATION AND RECOMMENDED SOLUTION

Highest Ranking Submission:

- Harbour City Resources
- Composting facility to be located at 61 Evergreen, Goodwood
- State of the Art facility based on proven experience in developing facilities in Hamilton (2006), Guelph (2011), and Calgary (2017)
- Total Cost (DBOOT + Interim Operations)
 - Total Cost – \$457,103,000
 - Net Present Value (\$2021) – \$288,686,000



Calgary Composting Facility

Source: maple.ca

FINANCIAL IMPACT

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Financial Impact to HRM budget:

- Interim Operations
 - 21.5% increase (equal to \$2,255,093) in 2021/2022 as compared to 2020/2021
 - Increase related to aging existing facilities with increased capital upkeep requirements
- New Facility
 - 17.6% increase (equal to \$2,210,616) in 2024/2025 as compared to 2023/2024
 - Increase related to capital cost for new 'state of the art' facility

Organic Management Infrastructure and Long-Term Operating Contract

QUESTIONS?