

Organics Contamination Reduction Strategy

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to City of Leduc Council
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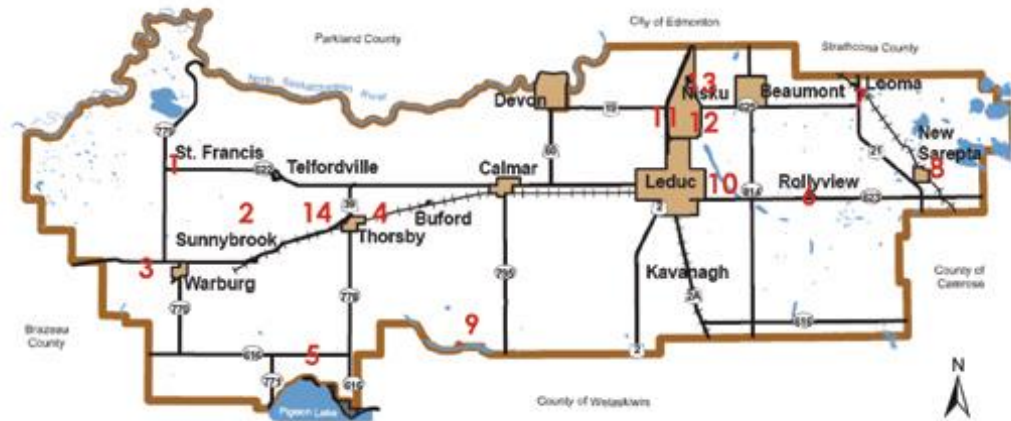
Outline

- Background
- Status Update
 - Photos of contaminated organics truckloads
- Next Steps:
 - LDRWMA plan
 - City of Leduc plan

Organics From LDRWMA Members

Curbside green carts (food and yard waste):

- Devon
- Beaumont
- City of Leduc

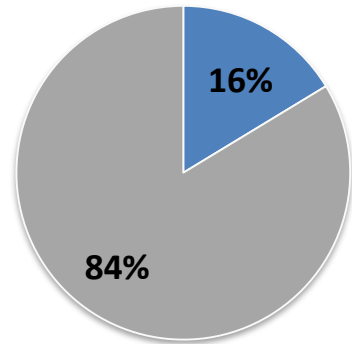


Yard waste only:

- Leduc County transfer stations
- Calmar curbside collection in bags
- City of Leduc yard waste station

Why Organics?

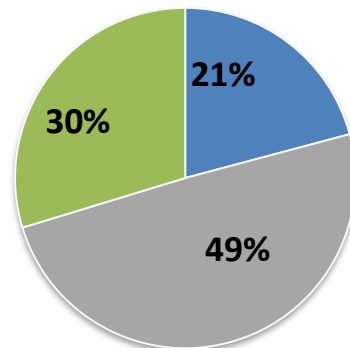
Before Green Cart



16 % Diversion

■ Blue Bag ■ Waste

After Green Cart



51 % Diversion

■ Blue Bag ■ Waste
■ Organics

Organics Tonnages at LDRWMA

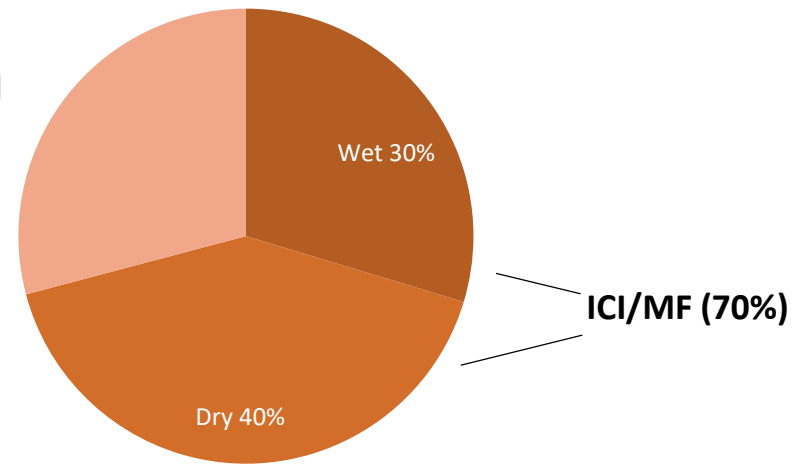
(tonnes)	Leaf and Yard	Green Cart	Total Organics
Beaumont	50	1800	1850
Calmar	80	0	80
Devon	70	500	570
City of Leduc	800	2500	3300
Leduc County	80	0	80
Total	1080	4800	5880

(Approximations based on last four years)

Potential for 20,000 to 30,000 tonnes organics per year.

Waste to LDRWMA

Residential
(30%)



Contamination Issue

Winter 2019:

- Declined entry to Stickland Farms
- Organics on transfer floor, screen loads, loads over 5% landfilled

Spring/Summer 2020:

- Loads landfilled from Beaumont, Devon and City of Leduc
- Yard waste clean and stockpiled
- Working with Stickland to gain re-entry

Fall 2020:

- First load re-accepted by Stickland, mostly yard waste

Yard Waste August 14, 2020



Stockpiled yard waste is clean.

Organics Loads in Area 1



Ten loads from Aug. 10, 13, 14. All loads are contaminated.

Organics Loads in Area 1



Beaumont

Organics Loads in Area 1



Leduc

Organics Loads in Area 1



Devon

Organics Loads in Area 1



Leduc – fresh load

Waste Load in Area 1



Typical Waste load



yard waste



waste



organics



Grid assessment

Processing Options

Short –term:

- No other viable options for alternate locations to take contaminated organics
- Application to compost on site submitted to Alberta Environment
- Other technologies e.g. worm castings

Longer – term:

- Reviewing proposal from GFL for on-site facility
- Continued regional collaboration

Key Messages

- Many residents sort correctly but contamination levels have increased to a point that some loads cannot be composted and must be landfilled.
- Throwing non-compostable material such as plastic bags and general waste in your organics cart can contaminate a whole truck load of organics resulting in it all being landfilled. One or two people can spoil the efforts of many.
- Action must be taken now to address this or costs will increase.
- Residents will be informed of any specific compliance issues through an information tag left on their cart, and contaminated carts will not be collected

Next Steps – City of Leduc

2020:

- Continued education and awareness
- Increased inspections and stickering within existing budgets
- Pilot cameras on trucks, notices to residents

2021:

- Implement LDRWMA shared education tools: utility insert, ads, etc.
- Letter from Mayor to residents

2022:

- Assess effectiveness of LDRWMA shared program, determine scope of continued services
- Education and marketing will be required on an ongoing basis

Questions, Discussion