Waste Management Master Plan Unified Waste Utility





City of Saskatoon

















City of Saskatoon





I Salles



City of Saskatoon A21st Century City







FRAME

A 21st Century City

CUTY OI

- What is to be decided:
 - The Future Level of Service for Waste
 - The Method for Funding that Level of Service
- What is decided in the future:
 - List of organic material accepted
 - Future funding of compost depots
 - Multifamily sector

PROCESS

- Comparative rates are provided
- Many other combinations of service levels
- Recommendation: values assessment





VALUES

Saskatoon

Environmental

- Landfill life
- Waste diversion
- Climate change impact
- Soil and water quality impacts

Financial

A 21st Century City

- Life cycle costs
- Generational rate equity
- Impact to capital, operating, and reserve budgets

Social

- Employee and public safety
- Regulatory compliance
- Public image
- Convenience of services
- Regionalization
- Ability to Pay



ALTERNATIVES

Waste

A 21st Century City

CUTYON

Saskatoon

- Weekly Collection
- Bi-Weekly Collection
- Seasonal Weekly
- Three Bin Sizes
- Three Costs



Recycling

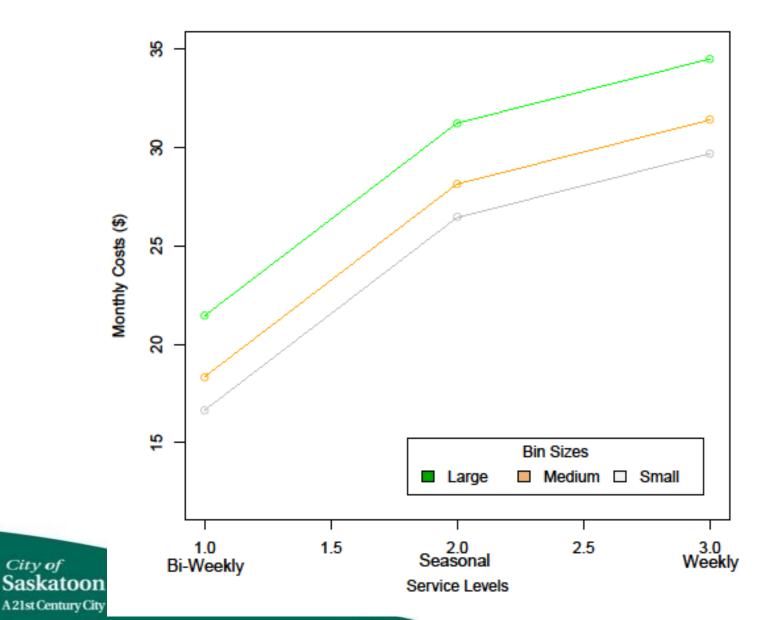
 No Change recommended

Organics

- Weekly Collection
- Bi-Weekly Collection
- Seasonal Weekly
- Three Bin Sizes
- One Cost

Bin Size Costs Both Services

City of



REASONING & RECOMMENDATION

Saskatoon

Applying the values to the options:

- Bi-weekly (Option 1): lead the other options on social, economic, and environmental values.
- Bi-Weekly: lowest capital cost, shortest implementation time and provides more flexibility to be changed in the future.



REASONING & RECOMMENDATION

A Utility is recommended:

- Individual control of cost
- Individual benefit

- Encourages diversion
- Diversion behaviour controls rates
- Resolves the financial un-sustainable business model



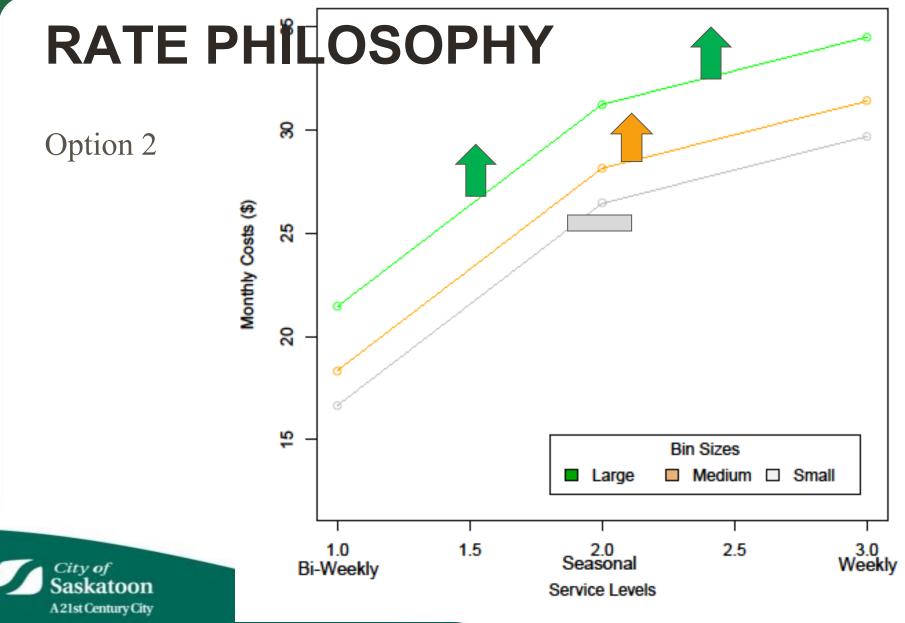


RATE PHILOSOPHY

Bin Size Costs Both Services Option 1 Я 8 Monthly Costs (\$) 25 2 15 Bin Sizes Large Medium Small 1.0 2.0 Seasonal 3.0 Weekly 1.5 2.5 City of **Bi-Weekly** askatoon Service Levels A21st Century City

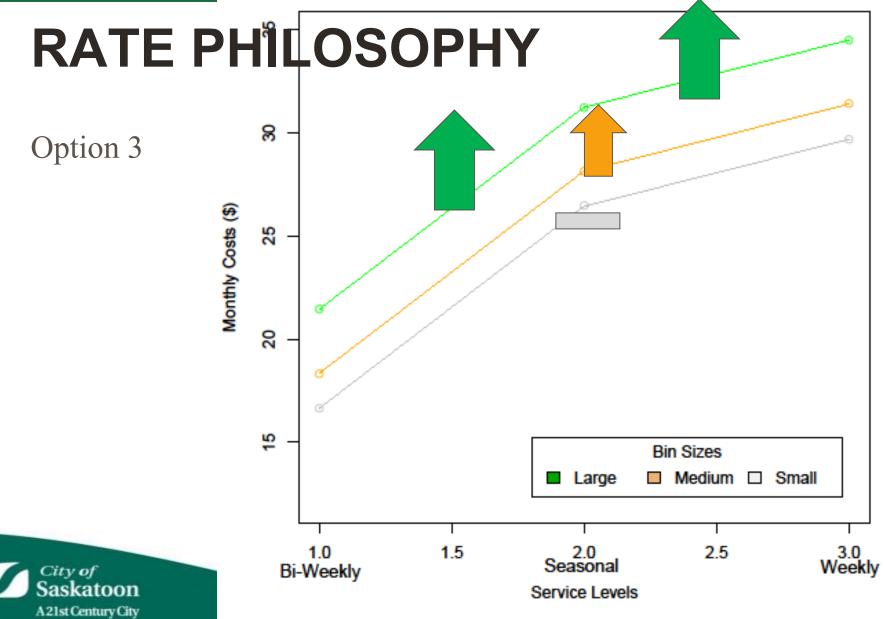


Bin Size Costs Both Services





Bin Size Costs Both Services



10 10

NEXT STEPS

- More detailed service decisions on organics at the award of the processing RFP
- More detailed budgeting by administration to finalize rates once a philosophy and level of service is known
- Public notice for borrowing
- Commencement of implementation



DO NOTHING?

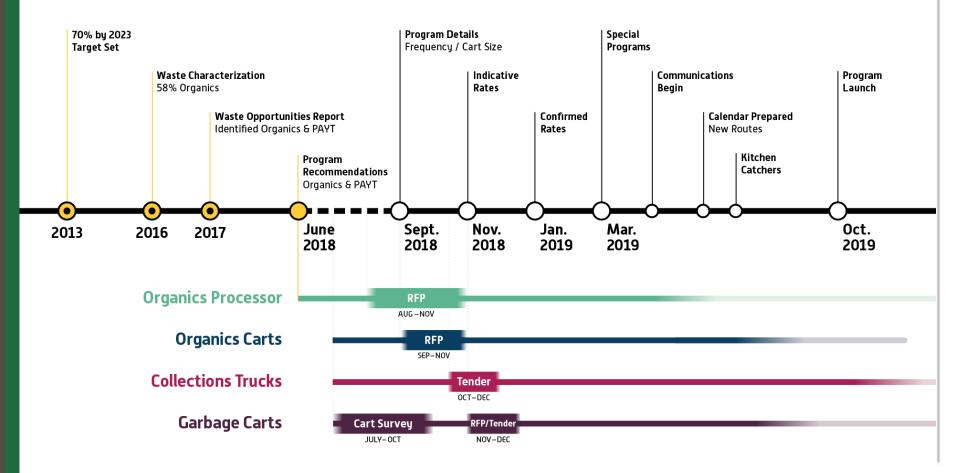
- 40 years vs. 63 years
- Funded vs. Unfunded Replacement
- 12,000 vs. 25,000 organics tonnes diverted
- 0 additional vs. 11,000 tonnes CO2e reduced
- 23 million vs. 18 million annually







NEXT STEPS



FUTURE (2020)

CITY OF

- Three carts at single family homes
- Bi-weekly collection organics
- Bi-weekly collection waste
- Single charge on utility bills
- Indicative mill rate reduction

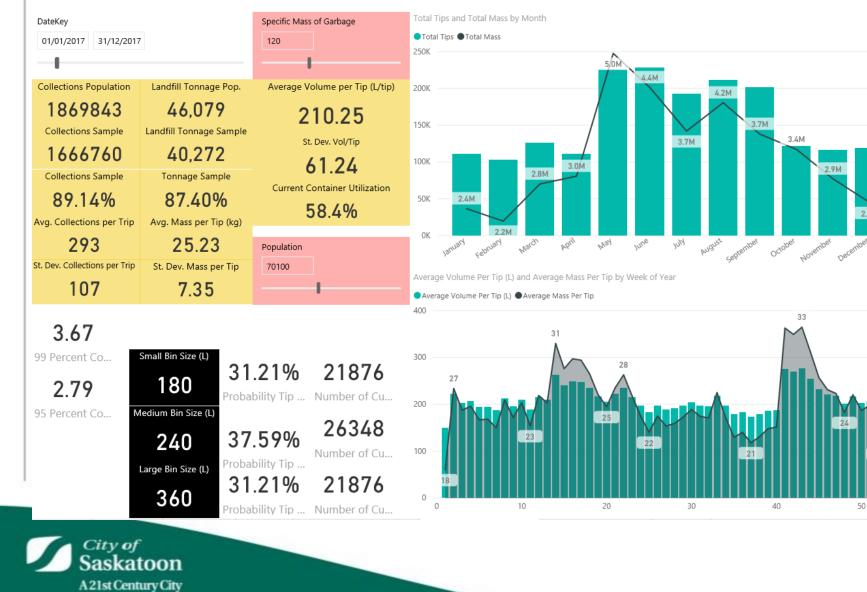


QUESTIONS?





Analytics 1



5.0M

4.5M

4.0M

3.5M

3.0M

2.5M

2.0M

35

30

25

20

15

50

2.5M

3.7M

3.4M

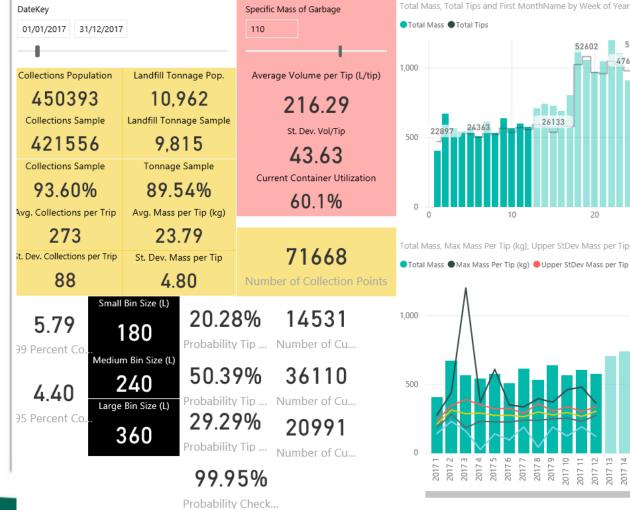
33

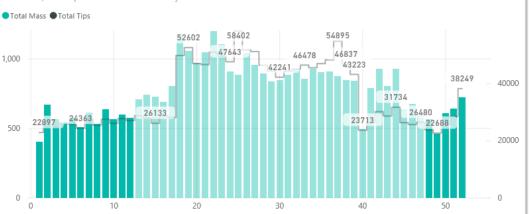
2.9M

Analytics 2

City of

Saskatoon A21st Century City





Total Mass, Max Mass Per Tip (kg), Upper StDev Mass per Tip, Average Mass Per Tip, Lower StDev Mass per Tip, Min Mass Per Tip (kg) a...

