



Integrated Waste Updates

February 13, 2024

PRESENTERS

DRALE SHORT – WHAT WE NEED
FROM COUNCIL TO BE EFFICIENT

ABBY GOLDSMITH – RATE STUDY

MONTE JONES – LANDFILL UPDATE

MIKE FENTON – METHANE GAS
EXTRACTION PROJECT

Waste Collection Goals

1

Integrate the new Automated Side Loader and transition this community into automation.

2

Reduce the current fleet of rear loaders to reduce operational costs and increase efficiency and productivity.

3

Reduce the number of missed collection calls and overtime incurred by implementing new routing technology.

4

Collect All Waste on the same day.

<https://youtu.be/3zr4gJuVztg>

Waste Collection Cost – Household Waste



Side Loader (16 Trucks)

\$92.27 per hour
per truck

\$14,763.20 per
day

Rear Loader (16 Trucks)

\$92.27 per hour
per truck

\$14,763.20 per
day

Current Cost (32 Trucks)

\$92.27 per hour
per truck

\$29,526.40 per
day

Efficient Cost (16 ASL)

\$92.27 per hour
per truck

\$14,763.20 per
day

ASL – Automatic Side Loader

RL – Rear Loader

Waste Collection Cost – Ground Trash/None City Issued Containers

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Side Loader (0 Trucks)

\$0 per hour

\$0 per day

Rear Loader (26 Trucks)

\$92.27 per hour
per truck

\$23,990.20 per
day

Current Cost (16 Trucks)

\$92.27 per hour
per truck

\$14,763.20 per
day

Efficient Cost (0 Trucks)

\$0 per hour

\$0 per day

ALS – Automatic Side Loader

RL - Rear Loader



Waste Collection Cost – Recycling/City Issued Carts



Side Loader (11 ASL Tks)

\$92.27 per hour
per truck

\$10,149.70 per
day

Rear Loader (0 RL Tks)

\$0 per hour
per truck

\$0 per day

Current Cost (11 ASL Tks)

\$92.27 per hour
per truck

\$10,149.70 per
day

Efficient Cost (11 ASL Tks)

\$92.27 hour per
truck

\$10,149.70 per
day

ASL – Automatic Side Loader

RL - Rear Loader

Waste Collection Cost – Yard Waste/City Issued Carts



Side Loader
(11 ASL Tks)

\$92.27 per hour
per truck

\$10,149.70 per
day

Rear Loader
(14 RL Tks)

\$92.27 per hour
per truck

\$12,917.80 per
day

Current Cost
(11 ASL Tks & 14
RL Tks)

\$92.27 per hour
(25 Trucks)

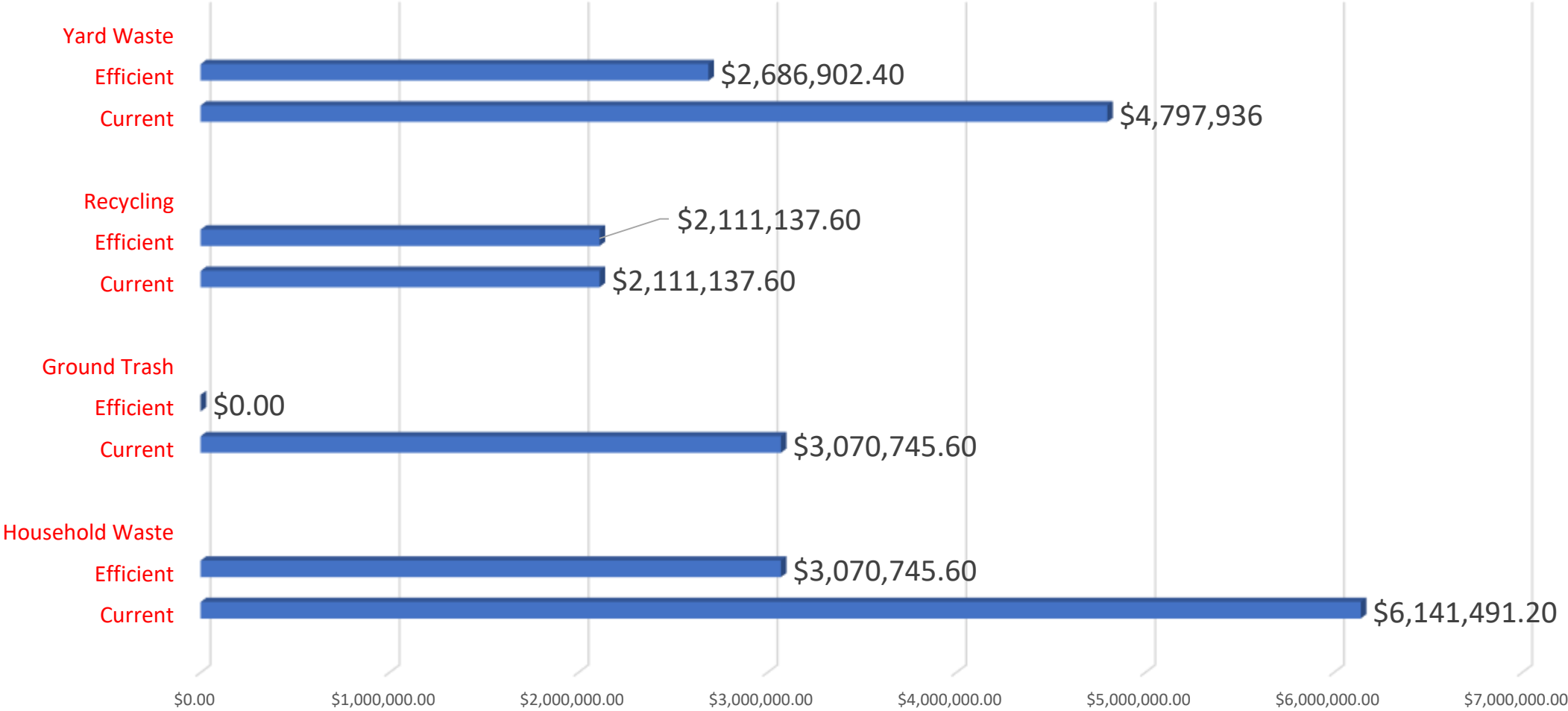
\$23,067. per day

Efficient Cost
(11 ASL Tks & 3
RL Tks)

\$92.27 per hour
\$12,917.80 per
day

ASL – Automatic Side Loader
RL - Rear Loader

Current Process Cost vs Efficient Process Cost



HOW DO WE OBTAIN EFFICIENCY?

APPROVE – ONE
CART SYSTEM

APPROVE - ALL
WASTE COLLECTED
ON THE SAME DAY

APPROVE -
ADDITIONAL CART
FEE

APPROVE -
GROUND TRASH
FEE

APPROVE -
RESIDENTIAL YARD
WASTE BAG LIMIT
(10)

APPROVE - On
Demand Service
Fees
(Yard/Household)

What is the One Cart System?



The One Cart System is the one policy we need in place to be efficient.

Requires ALL standard household waste or additional household waste to be inside a City issued Cart.

For Household collection – NO Bags or none City issued cans are collected.

Bagged, Loose items or items in a none City issued cart are considered “Ground Waste” and requires individuals to collect these items using a rear loading truck. Considered “On Demand Service”.

ALL WASTE COLLECTED ON THE SAME DAY?



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ALL CARTS WILL BE PLACED ON THE CURB ONE DAY A WEEK AND ALL SERVICES WILL BE COLLECTED ON THAT DAY.

ALL CARTS WILL STILL NEED TO BE PLACED 3 FT APART

BENEFITS OUR RESIDENTS IN ONLY HAVING TO TAKE THESE CARTS TO THE CURB ONCE PER WEEK AND REMOVE THEM ONCE PER WEEK.

MOST RESIDENTS ARE ALREADY PLACING ALL CARTS ON THE CURB AT THE SAME TIME ON THEIR DESIGNATED HOUSEHOLD COLLECTION DAY.

Additional Cart Fee - Options



City Issued Black & Green Carts Only

1. Additional Cart/Black or Green – One Time Fee - \$55.00

2. Additional Cart/Black or Green – One Time Fee - \$25.00

with a Monthly Collection Fee - \$10.00 per month, per additional cart

3. Additional Cart/Black or Green – No One Time Fee

- Monthly Fee \$10.00 per month, per additional cart



Ground Trash On Demand



Household Waste Only/Bagged or 32 gallon containers Only

- 1. Service Fee - \$50.00
- Minimum 10 Bags - \$25.00 Collection Fee

Yard Waste Only/Bagged or 32 gallon containers

- 1. Service Fee - \$50.00
- Minimum 15 Bag - \$25.00 Collection Fee

Resident are provided with 10 bags per week yard waste collection, automatic at no charge.







Yard Waste Collection Services Cost Avoidance (By Category)

Category	CCG Cost Avoidance		
	FY22	FY23	FY24*
CDL Drivers/Inmates	628,348	806,932	161,386
Operating Expenses	170,400	170,400	71,000
Fuel & Maintenance Costs (14 Rear Loaders)	581,313	498,750	201,756
Totals	\$1,380,061	\$1,476,082	\$434,142

Note: Costs avoidance includes variable costs for manpower and fuel expenses.

***Costs thru November 30, 2023**

Detailed Line-Item Expenses (FY23)

OBJECT CODE	OBJECT NAME	AMOUNT
6110	SALARIES W/ BENEFITS	\$806,932
6115	OVERTIME	\$103,000
6160	TEMP EMPLOYEES	\$25,000
6317	PROMOTION/ADVERTISING	\$15,000
6519	MISC. EQUIP. MAINTENANCE	\$1,000
6625	POSTAGE	\$500
6631	PRINTING SERVICES	\$2,000
6632	COPIER CHARGES	\$100
6673	STATE INMATE WAGES	\$2,000
6711	OFFICE SUPPLIES	\$1,000
6714	PUBLICATIONS/SUBSCRIPTIONS	\$100
6721	AUTO PARTS & SUPPLIES	\$288,275
6725	VEHICLE WASH	\$1,500
6728	OPERATING MATERIALS	\$15,000
6746	FUEL	\$210,475
6781	UNIFORMS	\$3,700
6793	SPECIAL EVENT SUPPLIES	\$500

TIMELINES

- One Cart System – May 1, 2024
 - Without this policy, waste collection as it is today is not sustainable.
 - Services will continue to be delayed
 - Current schedule (6 days per week/since December)
- Additional Cart Orders (Black/Green) – March 1, 2024
 - Allows for the order of more carts
 - Confirming those 311 request for an additional cart - 788
 - Allows for the delivery of initial orders – 788
 - Current Inventory of Carts – Black 507 Green 552
 - 702 Carts per truck are delivered when we order.
- Residential Yard Waste Bag Limit (10 bags) – Immediately
- Ground Trash on Demand – Immediate for both Yard Waste & Household

Multipack Loader

- Automatic Side Loader only requires one operator. The Multipack requires three (driver, 2 backmen)
- Current Heil Automatic Side Loader - \$321,729.88
- Custom Vehicle –
 - 24 YD Heil Multipack
 - Add Dual Rotary Cart Tippers
 - 2025 Mack LR Chassis
 - Estimated build to delivery – 18 months
 - Cost - \$468,000.

Multipack Waste Collection Vehicle



Summarize Everything We Need!

- **Council Approval - One Cart System**
- **Council Approval - Additional Cart Fee**
- **Limit the number of Yard Waste Bags/10 Bags**
- **Allow for additional fee for additional Yard Waste Bags over 10, but a minimum of 15 for On Demand Service**
- **Council Approval of Rate Study – Planning for the future. (Landfill closure/post closure; equipment replacement)**