

Trash Collection

Business Pickup & Large and Irregular



May 16, 2022

Financial History of Trash in Kaukauna

- City spends about \$375,000 on tipping fees at the landfill each year
- City disposes 15.6 million pounds of garbage each year to landfill
- City spends 7,863 of hours on collecting and disposing of garbage each year
- City invests \$855,000 in capital equipment to collect and dispose trash.



Types of Trash Pickups

- There are three categories of trash the City picks up
 - Weekly curb pickup (automated carts)
 - Business pickup
 - Larger and irregular pickup

Department of Public Works Status

- The department is looking for ways to provide the necessary services
- Doing more with same staffing level
- Desire to do more value-add duties to the City
 - Parks, Street maintenance, Sidewalks, Buildings, etc.
- Staff discussion for improvements has led to an analysis of our trash collection and disposal impact to the level of service provided

Business Pickup Background

- The City picks up trash for 114 Commercial businesses stops
- Manufacturing businesses are not included
- Routes are running 3 times every week
- Some special pickups are given if a business calls for an additional pickup
- The ages of the three rear load garbage trucks are 24, 17, and 5 years old
- Truck is staffed by two City employees while picking up on the route



Background of Sample size

- The City did a pilot to collect data for a three-month period
- Dedicated a truck to specific business routes to capture the Human Capital costs associated with pickup up this trash
- Dedicated dumps at the landfill were made to capture tipping fee cost for business pickup as well as larger an irregular.

Financial Impact of Business Pickup

Human Capital

Hours Per Year	1,596
Different Employees	13

Capital Equipment

New Garbage Truck	\$285,000
Bond Interest and Issuance Expenses	\$115,587
Total Capital Cost	\$400,587

Annual Operating Expense

Tipping Fees	\$43,421
Human Capital	\$100,090
Insurance	\$817
Maintenance Parts and Supplies	\$11,094
Fuel	\$14,040
Annual Total	\$169,462

Total Annual Operating Expense	\$209,521
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Alternative Solutions

- Private Company Pickup
- Automated cans for business outside of downtown district
- Central dumpster site for downtown district
- Combination of a few

Private Company Pick

Pros

- Allows business to choose who they want to pick up trash
- Business owners can have the pick frequency set to their needs
- Reducing the Human capital needs for the City for this select group
- Eliminating additional dumpster replacement
- Eliminating the need to maintain and replace capital (garbage truck)

Cons

- Might bring more inconsistent look of dumpsters on commercial sites throughout the City
- Not providing the service any longer

Automated Carts for business

Pros

- Still providing Commercial business garbage pickup
- Reducing the Human capital needs
- Eliminating administrating the additional dumpster replacement

Cons

- Adding more cans to routes
- Adding objects that can become an eye sore in downtown area with the density of businesses
- Adding an object that can become a projectile in windy weather conditions
- Automated carts may not be large enough for some commercial businesses

Combination

Construct a central dumpster site for downtown district and allow a max of 2 automated carts for businesses outside of district or private company pick

Pros

- Reduces the human capital needs
- Eliminates additional dumpster replacement
- Will allow City to maintain the image of the downtown core district
- Eliminates the green carts scattered throughout downtown
- Charge a set fee for the use of the dumpster site
- Still providing service

Cons

- Limits the ability for downtown businesses to get private if they desire
- Different treatment for commercial businesses throughout the City
- Adding more carts to automated truck route
- Lose parking spots in downtown with dumpster site
- Will have to administer the program and ensure compliance

Recommendation from Staff for Business Trash

- Have commercial businesses get private company to collect garbage as of January 2023
- Any parcel not zoned residential Single family (RSF) or Residential Two Family (RTF) is considered Business for trash collection purpose.
- Update garbage ordinance to reflect current and proposed automated collection and to better control larger and irregular and curbside pickup



Large and Irregular

Large and Irregular Pickup Background

- The City pickups up large and irregular trash once a month throughout the City.
- Most items are picked up with manual labor while there are a few cases equipment is used.
- Pickup consists of canvassing the city ensuring items are picked up.
- Some special pickups are given if a homeowner places items on the curb sooner than they should or if a request is made.
- Truck is staffed by two City employees while picking up on the route



Example of the Abuse

Recent sight after a tenant moved out of a rental home in the city.



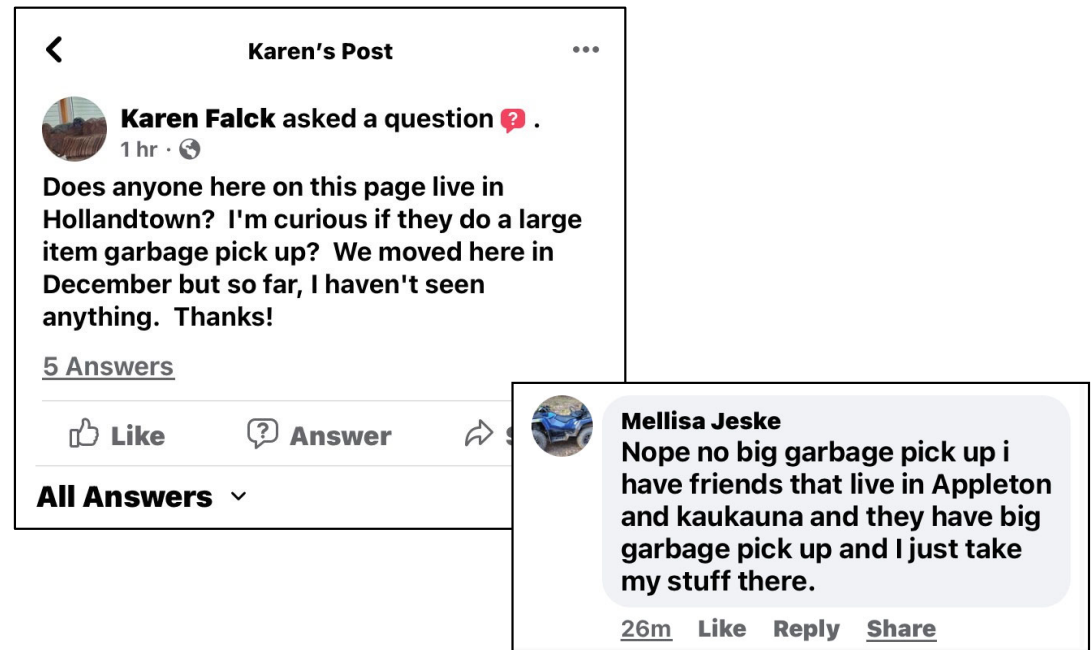
Example of the Abuse

Recent sight after home remodel in the city.



Example of the Abuse

Social Media conversation
with non-City residents
discussing their plan to
dump on City curb during
large and irregular



Financial Impact of Large & Irregular Pickup

Human Capital

Hours Per Year	1,330
Different Employees	15

Capital Equipment

New Garbage Truck	\$285,000
Bond Interest and Issuance Expenses	\$115,587
Total Capital Cost	\$400,587

Annual Operating Expense

Tipping Fees	\$31,319
Human Capital	\$84,900
Insurance	\$817
Maintenance Parts and Supplies	\$6,500
Fuel	\$3,600
Annual Total	\$127,136

Total Annual Operating Expense	\$167,194.71
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Possible Alternative Solutions

- Breakdown items to fit into the automated trash can
- Bring larger items directly to Outagamie County landfill
- Bring items down to the City dump site
- Purchase a disposable tag and schedule special pick with the City
- Limit it to early spring and early fall pickup
- Combination of a few

Recommendation from Staff on Large and Irregular

- Ban construction debris from larger and irregular
- Staff will continue to research and analyze data
- Staff will look to other communities for examples to alleviate this burden
- Staff will come back with recommended action as it relates to larger and irregular

Financial Impact of Both Large & Irregular & Business Pickup

Human Capital

Hours Per Year	2,926
Different Employees	28

Capital Equipment

New Garbage Truck	\$570,000
Bond Interest and Issuance Expense	\$231,174
Total Capital Cost	\$801,174

Annual Operating Expense

Tipping Fees	\$74,740
Human Capital	\$184,990
Insurance	\$1,634
Maintenance Parts and Supplies	\$17,594
Fuel	\$17,640
Annual Total	\$296,598

Total Annual Operating Expense	\$376,715
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THANK YOU