

WASTE & RECYCLE COLLECTION UPDATE



COUNCIL PRESENTATION

AUGUST 11, 2020

COLLECTION OVERVIEW

Normal Work Schedule

- **4 Ten Hour Days/Week**
- **Spring and Summer Storms**
 - **Yard and Bulk Waste Collection increase in the Spring**
 - **2019 Spring and Summer: Multiple Storm Debris Moratoriums**
 - **Worked 6-days/week July-August 60+hours/week**
 - **April 2020-Storm Debris Moratorium-Green Waste**
 - **Worked 6-days/week since April- Bulk Waste 60+hours/week**

COLLECTION OVERVIEW

Spring/Summer Season:

Green waste tonnage increases

Yard and Bulk Waste Collection increase

- Worked 5-days/week since Early June 50+ hours/week**
- Worked 6-days/week since July 60+hours/week**



COLLECTION CONSTRAINTS

- Additional tonnage is produced
 - brush and trees due to annual storm season
 - summer growth; brush pruning, grass clippings
 - **MORE** waste due to citizens being at home
- Delays due to:
 - **Truck & Grab-all repairs-aging fleets**
 - Average 20 garbage trucks down daily
 - Average 4-6 Graball trucks down daily
 - **Employee absences; vacancies, vacations, illness, personnel issues**
 - **Inmate Labor**
 - Shortage
 - Transportation

COLLECTION CONSTRAINTS

- **Stresses to current fleet size-collections of 14k-15k households each day**
 - **14 yard waste routes versus 27 Refuse trucks**
 - **10 bulk waste routes**
 - **Subsidizes HHG routes when needed**
 - **2 to 4 trucks per day if needed**
- **COVID Constraints**
 - **April 2020-Reinstatement of Yard Waste – April 27**
 - **June 2020-Reinstatement Non-Green Bulk Waste – June 1**

COLLECTION FOCUS

- **Household Garbage**

- **Federally mandated-once a week service**
- **~56k households; 4 collection days**
- **27 trucks, 27 FT drivers, shares 2 PT drivers**

- **Yard Waste**

- **CCG mandated-once a week service**
- **14 trucks, 14 drivers, 1 PT driver**

- **Recycling**

- **CCG mandated-once a week service**
- **14 trucks, 14 drivers, 2 PT driver**

- **Bulk Waste**

- **CCG mandated-once a week service**
 - **Green and Non-green bulk waste**
 - **10 Trucks**

COLLECTION FOCUS

- Collections

- Yard Waste

- Wednesdays and Saturdays
- 6 to 8 drivers, 14 to 16 inmates
- 1 supervisor; **new mandate –all work**

- Bulk Waste

- Wednesdays and Saturdays
- 7 to 9 drivers, no inmates
- 1 supervisor
- *Supplement with Forestry & Streets Division*

- Landfills

- Wednesdays & Saturdays
- 3 to 4 employees
- 1 supervisor



INTEGRATED WASTE CONCERNS

- **Garbage fee does not cover Cost of Services**
 - **Inability to purchase replacement capital outlay equipment**
 - **Inability to add staff to increase fleet size for Yard Waste and Recycling**
 - **Growth of subdivisions in North Columbus**
 - **Growth of Recycling participation**
 - **Growth of Green and Non-Green bulk tonnage**

INTEGRATED WASTE CONCERNS

- **Staff Safety**
- **Longer days, six days per week, leads to driver exhaustion**
- **High driver turnover**
- **Inmate participation**
- **Inmates request to return to prison by mid-afternoon**
- **Inmate exhaustion in summer heat and winter cold**

COLLECTION ALTERNATIVES

- We currently have several vendors on contract that provide emergency pick up services. We're in the process of determining when they can start assisting us with Yard Waste pick up.**

CONCERNS AND SOLUTIONS

- **Funding is not available for:**
 - Replacement equipment for Landfill, Collections, and Recycling Center
 - Division growth to match Collection area growth
 - Landfill closure and post closure
 - Recycling Center operations beyond FY23
- **Solutions**
 - Look at options for sizing services to garbage fee limitations
 - Increase fees to match current services
 - Implement a delicate balance of adjusting services & fees

RESIDENTIAL HOUSING GROWTH

Year	# of Houses	Growth		# of WEO *PT WEO
2015	59,343			70+4*
2016	59,853	510		70+4*
2017	58,430	-1423	Tax Assessor's revaluation year	70+4*
2018	58,568	138		70+4*
2019	58,779	211		70+4*
2020	58,985	206		70+4*
Total # change (3 yrs)		555	New houses	0

WEO-WASTE EQUIPMENT OPERATOR

TOTAL FLEET CONDITION

74 Trucks/Grab-All's
26 Deadlined

- Age of Fleet
 - 11 TRUCKS over 9 years old, ranging from 10 years to 15 years old



HOUSEHOLD GARBAGE AND YARD WASTE TRUCKS



RECYCLING TRUCKS

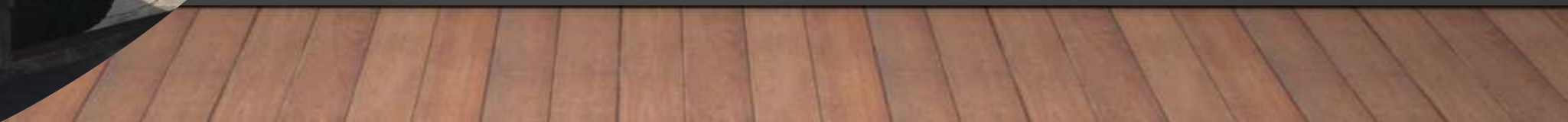


**SPARE TRUCKS
USE BY HHG,
RECYCLING,
YARD WASTE**





GRAB-ALL TRUCKS



HOUSEHOLD GARBAGE TRUCKS

- **Replacement Schedule Rule; Refuse Truck, 7 years**

- Refuse Truck Inventory

- FY21 replacement needs at current service levels: **7 trucks, \$1.2M, Rear Loader**
- Current Inventory of HHG Trucks: 30 trucks; 3 fleets, 9 trucks each plus 3 spares. 27 FTE

Age:

- 1 > 15 years-Spare
- 1 > 14 years-Spare
- 1 > 13 years-Spare
- 1 > 12 years
- 2 > 9 years
- 1 = 7 years
- 23 < 7 years

12 HHG Deadline

- **Growth needs: 36 trucks; 10 trucks each, 6 spares. Add 3 FTE: 12 trucks, \$2.1M, Rear Loaders**

RECYCLING TRUCKS

- **Replacement Schedule Rule; Recycling Truck, 7 years**

- Recycling Truck Inventory

- FY21 replacement needs at current service levels: **12 trucks, \$2.1M, Rear Loader**
- Current Inventory of Recycling Trucks: 15 trucks (16 needed); 2 fleets, 7 trucks each plus 1 spare. 14 FTE

Age:

- 2 > 15 years-Spares
- 9 = 7 years
- 4 < 4 years

4 Recycling Deadline

- **Growth needs: 18 trucks; 8 trucks each, 2 spares. Add 2 FTE: 14 trucks, \$2.45M, Rear Loader**

YARD WASTE TRUCKS

- **Replacement Schedule Rule; Yard Waste Truck, 7 years**
 - Yard Waste Truck Inventory
 - FY21 replacement needs at current service levels: **3 trucks, \$525k, Rear Loader**
 - Current Inventory of Yard Waste Trucks: 17 trucks; 2 fleets, 7 trucks each plus 3 spares. 14 FTE
 - Age:
 - 2 > 14 years-Spares
 - 1 = 7 years
 - 14 < 7 years
- **Growth needs: 18 trucks; 8 trucks each, 2 spares. Add 2 FTE: 6 trucks, \$1.05M, Rear Loader**

5 Yard Waste Deadline

BULK WASTE

- **Replacement Schedule Rule; Grab-All Truck, 7 years**
 - **Grab-All Truck Inventory-Needs (Green and Non-Green Waste)**
 - FY21 replacement needs at current service levels: **5 trucks, \$750K**
 - Current Inventory of Grab-all: 12 trucks; 2 fleets, 5 trucks each plus 2 spares. 10 FTE
 - Age:
 - 1 > 11 years
 - 4 = 7 years
 - 7 < 7 years
- **Growth needs: 14 trucks; 6 trucks each, 2 spares. Add 2 FTE: 7 trucks, \$1.05M**

4 Grab-All's Deadlined

