

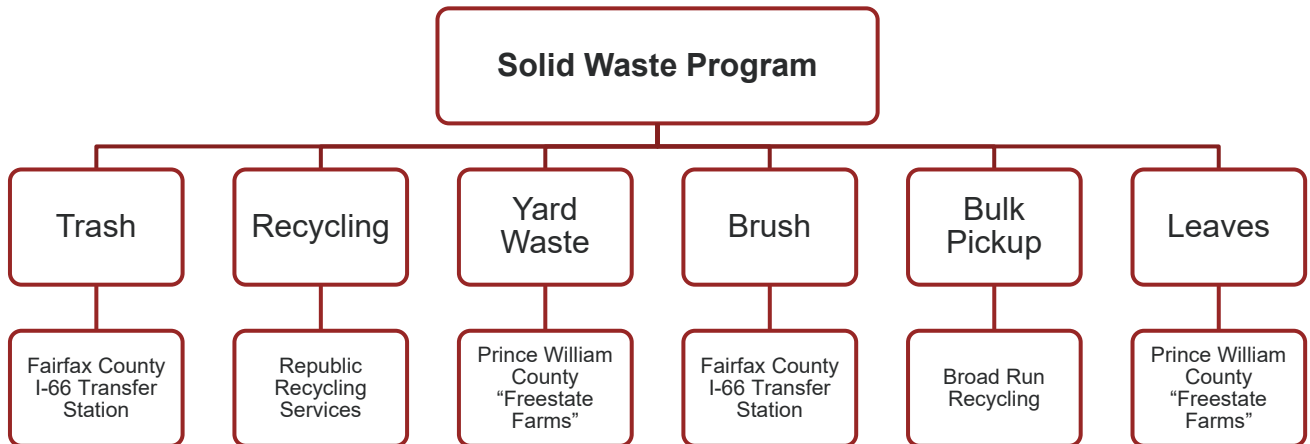


# SOLID WASTE PROGRAM OVERVIEW

May 8, 2023

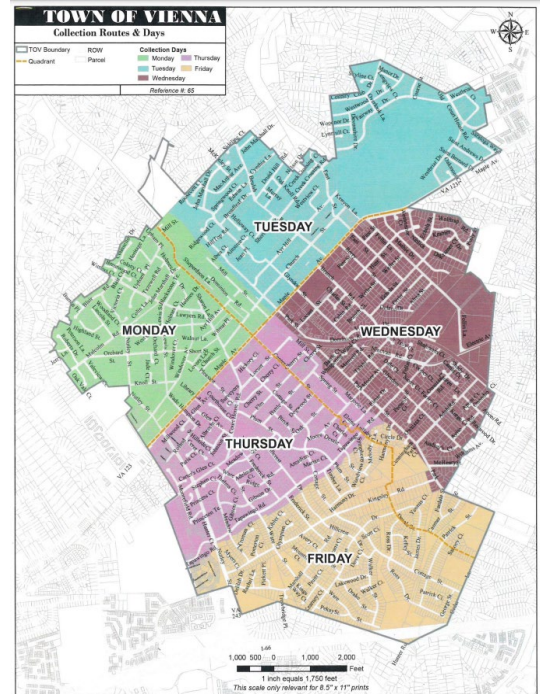
# Tonight's Agenda

- ❑ Overview of Solid Waste Program
  - ❑ Services Provided
  - ❑ Current Operations and Equipment
  - ❑ Town and Industry Trends
  - ❑ Future Considerations and Opportunities



# Municipal Solid Waste (MSW) - Trash

- ❑ Services Provided
  - ❑ Weekly curbside collection
    - ❑ 55-gal container /40-lb weight limit
  - ❑ Maple Ave and Church St trash cans (twice per week)
  - ❑ Town-owned dumpsters (twice per week)



# Municipal Solid Waste (MSW) - Trash

- ❑ Current Operations and Equipment
  - ❑ 2 trucks with 3-person crew - Single-family and townhomes
  - ❑ Contract with Waste Management – Condominiums (Vienna Villager, Park Terrace, and Church Street)
  - ❑ Disposal at Fairfax County I-66 Transfer Station (Covanta Waste-to-Energy Facility)



# Municipal Solid Waste (MSW) - Trash

## □ Town Trends (Calendar Year)

	2018	2019	2020	2021	2022
Tons Disposed	4,486	4,386	4,892	4,924	4,660
Tipping Fee (Cost per Ton) <sup>1</sup>	\$60	\$62	\$64	\$64	\$66

<sup>1</sup> Based on Fairfax County Solid Waste Commercial Disposal Rate  
(2023 Rate = \$70 /ton)

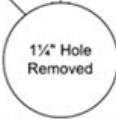





# Municipal Solid Waste (MSW) - Trash

- ❑ Future Considerations and Opportunities
  - ❑ Pilot Program for Rear Lift Cart Tippers
    - ❑ Purchase of carts / modification of current trucks
    - ❑ Reduced employee lifting and handling
  - ❑ Update the Town's Solid Waste Management Plan (2025)
    - ❑ Coordinate with DEQ and CSC
  - ❑ Solid Waste Route Optimization Study
  - ❑ Increase Outreach/Education





1 1/4" Hole Removed



VIENNA  
TOWN OF VIENNA

- ☐ Exceeds maximum receptacle size of 55 gallons
- ☐ Exceeds 40-pound weight limit
- ☐ Exceeds 20-container maximum pickup limit per collection day
- ☐ Exceeds Brush limit – must be less than 8 feet in length & 4 inches in diameter
- ☐ Exceeds Bulk pile limit – no larger than 8 foot x 4 foot x 4 foot
- ☐ Contaminated Recycle
- ☐ No Hazardous Waste
- ☐ No White Goods
- ☐ No TV's
- ☐ Other: \_\_\_\_\_

# Automated Side Loaders (ASLs)

- ❑ Upfront capital and maintenance expense
- ❑ Customer and operational considerations
  - ❑ Impact of parked cars, cul-de-sacs, repeating routes, container alignment, non-uniform conditions, purchase of carts, staffing, and lifting / handling of carts
- ❑ Operations at comparable jurisdictions:



Location	Approx. Households	Collection Program	Automated Side Load	Rear Lift Cart Tippers	Manual	Carts Provided
Town of Vienna	5,000	Public		X	X	No
Town of Herndon	5,000	Public	X	X		Yes
City of Falls Church	3,000	Contract		X		Yes
City of Fairfax	6,500	Public		X	X	No

# Recycling

- ❑ Services Provided
  - ❑ Weekly curbside collection
    - ❑ 55-gal container / 40-lb weight limit
  - ❑ Town-owned dumpsters (twice per week)
- ❑ Current Operations
  - ❑ 2 trucks with 3-person crew - Single-family and townhomes
  - ❑ Contract with Waste Management - Condominiums with dumpsters
  - ❑ Disposal at Republic Recycling Services (Utilizing City of Alexandria Contract)



Recycling *Simplified*

## Know what to throw



**Empty. Clean. Dry.™**  
Keep all recyclables free of food and liquid



**Don't bag it**  
Never put recyclables in bags or containers

**NEVER place these items in the recycling container**

  
**Plastic Bags & Wrappers**

  
**Styrofoam**

  
**Food**

  
**Soiled Paper**



**Flattened Cardboard**



**Paper**



**Metal Cans**



**Plastic Bottles & Jugs**



**REPUBLIC SERVICES**

We'll handle it from here!™

Learn more at [RecyclingSimplified.com](https://RecyclingSimplified.com)



# Recycling

## □ Town Trends (Calendar Year)

	2018	2019	2020	2021	2022
Tons Disposed	1,708	1,573	1,649	1,601	1,799
Average Tipping Fee per Ton	\$69	\$69	\$69	\$69	\$117 <sup>1</sup>
Average Rebate per Ton <sup>2</sup>	\$26	\$14	\$23	\$76	\$73
Average Cost per Ton <sup>3, 4</sup>	\$43	\$55	\$45	-\$7 <sup>5</sup>	\$44

<sup>1</sup> Increase due to mid-year expiration of Fairfax County contract and industry changes.

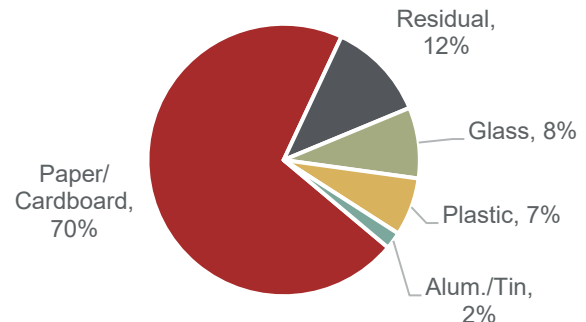
<sup>2</sup> Based on composition of recyclables and market based commodity pricing.

<sup>3</sup> Calculated from tipping fee minus commodity-based rebate.

<sup>4</sup> **Year-to-date CY 2023 average cost is \$106/ ton due to decreased rebate on paper/cardboard.**

<sup>5</sup> Net revenue due to increased rebate across commodities.

Composition of Recyclables



# Recycling

- ❑ Future Considerations and Opportunities
  - ❑ Utilize updated Fairfax County contract
  - ❑ Increased Outreach/Education
    - ❑ Green Expo, Vienna Voice, Social Media, Mailing, and Cart Hangers
  - ❑ Continuation of additional recycling services



# Additional Recycling Services

- ❑ Quarterly Recycling Day
  - ❑ First Saturday in March, June, (2<sup>nd</sup> Saturday) September, and December
  - ❑ 600 Mill St NE – Northside Property Yard

Accepted Materials	CY 2022
Waste Oil (gallons)	228 gallons
Antifreeze (gallons)	14 gallons
Car Batteries	7 batteries
E – Recycle Waste <sup>1</sup> (lbs)	8,850 pounds
Metal (cubic yards)	18 cubic yards
Batteries <sup>2</sup>	108 pounds

<sup>1</sup> Television and computer monitors **not** accepted.

<sup>2</sup> Lithium Ion (Rechargeable) and Alkaline accepted.



# Additional Recycling Services



## Glass

*Mill Street NE  
---*

*(285 tons in CY 22)*



## Batteries

*Town Hall and  
Community Center*

*(250 lbs in CY 22)*



## Metal

*Quarterly Recycling  
Day*

*(26 tons in CY 22)*

# Yard Waste

- ❑ Services Provided
  - ❑ Weekly curbside collection
  - ❑ Soft vegetation (grass clippings, leaves, weeds, vines, etc.)
  - ❑ Compostable paper bag or rigid container (no plastic bags)
- ❑ Current Operations and Equipment
  - ❑ 2 trucks with 3-person crew
  - ❑ Disposal at Prince William County “Freestate Farms”
- ❑ Town Trends (Calendar Year)



	2018	2019	2020	2021	2022
Tons Disposed	790	691	828	403	317
Cost per Ton (Tipping Fee)	\$34	\$34	\$34	\$34	\$35

# Brush

- ❑ Services Provided
  - ❑ Weekly curbside collection
  - ❑ Branches and tree debris
  - ❑ Bundled or rigid container
- ❑ Current Operations and Equipment
  - ❑ Knuckle boom with 1-person crew
  - ❑ Disposal at Fairfax County I-66 Transfer Station



## ❑ Town Trends (Calendar Year)

	2018	2019	2020	2021	2022
Tons Disposed	900	728	587	835	490
Cost per Ton (Tipping Fee)	\$38	\$40	\$45	\$45	\$47



# Bulk Pickup

- ❑ Services Provided
  - ❑ Weekly curbside collection
  - ❑ Household bulk waste: furniture, carpet, sinks, tubs, etc. (no appliances)
  - ❑ No larger than 8 foot x 4 foot x 4 foot
- ❑ Current Operations and Equipment
  - ❑ Knuckle boom with 1-person crew
  - ❑ Tandem dump truck with 1-person crew
  - ❑ Disposal at Broad Run Construction Waste Recycling
- ❑ Town Trends (Calendar Year)



	2018	2019	2020	2021	2022
Tons Disposed <sup>1</sup>	1,417	2,473	1,222	1,311	893
Cost per Ton (Tipping Fee)	\$47.50	\$47.50	\$55	\$55	\$55

<sup>1</sup> Includes town generated construction debris (asphalt millings, soil, etc.) and residential bulk pickup.