

Solid Waste Management Plan Update

11/13/25



*Thomas
Jefferson*

Planning District Commission

Agenda

1. Welcome & Introductions
2. Public Survey Review & Continuing Outreach
3. Present Background Data and Analysis
4. Review Current Plan's Goals
5. Solid Waste Plan Resolutions
6. Next Steps
 - a. Complete Worksheet
 - b. January Public Workshop
 - c. Next Meeting: January 8th at 10:30am
7. Adjourn

Share Public Survey

- <https://arcg.is/GuiWf>
- Survey is open through December 15th



Let's Talk Trash - Solid Waste Plan Public Survey

The Thomas Jefferson Planning District Commission (TJPC) is looking for resident feedback to shape the region's Solid Waste Management Plan for 2026-2046.

If you live in Charlottesville, Albemarle, Fluvanna, or Greene, please take 5 minutes to share your thoughts. Your input is essential to creating a plan that reflects the experiences and needs of the community.

Thank you very much for your time!

[Next](#)

Page 1 of 4

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SWMP Regulatory Requirements

- Data and analyses
 - Population and projections
 - Urban concentrations, geographic conditions, economic growth and development, reuse and recycling markets, transportation conditions, and related factors
 - Estimates of solid waste generation from residential, commercial, industrial, construction and other sources
 - Listing of existing and planned solid waste facilities
 - All milestones in implementation of SWMP
 - Solid waste reduction program descriptions
 - Outreach program descriptions
 - Procedures for and results of waste collection evaluation
 - Assessment of current & predicted needs over 20 years
- Board resolution adopting the plan

SWMP Regulatory Requirements

- VA Regulatory Requirement to update SWMP
 - Adopt new 20-year plan by October 7, 2026
- SWMP Requirements - outlined in 9VAC-130-120 & 9VAC-130-125
 - Basic Planning Elements
 - Objectives for the 20-yr planning period
 - Discuss plan implementation and tracking
 - Facility names, capacity, and lifespan
 - Provision strategy for necessary funds and resources
 - Public education and information strategy
 - Consider public-private partnerships and private sector participation in execution
 - Maintain a 25% recycling rate

Population

TJSWPU Population 2011-2023

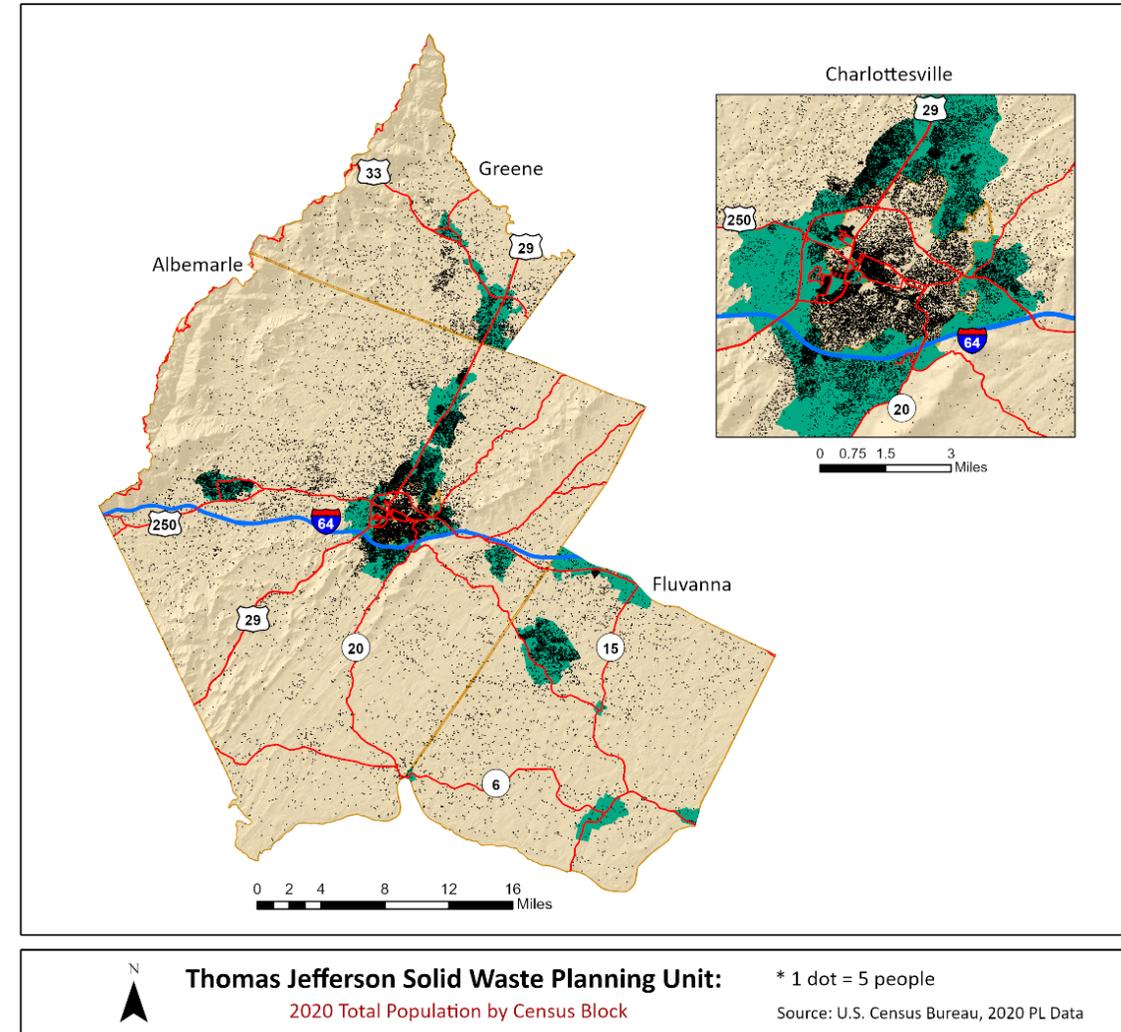
Locality	2013	2019	2020	2021	2022	2023	Growth
Charlottesville	46,303	50,694	51,056	51,079	51,278	51,132	10%
Albemarle	102,559	109,987	112,801	114,424	115,495	116,148	13%
Fluvanna	26,048	26,896	27,310	27,556	27,843	28,214	8%
Greene	19,190	20,291	20,648	21,030	21,165	21,370	11%
Total	194,100	207,868	211,815	214,089	215,781	216,864	12%

Source: Intercensal Estimates for Virginia, Counties, and Cities, *Weldon Cooper Center for Public Service*

TJSWPU Population Projections

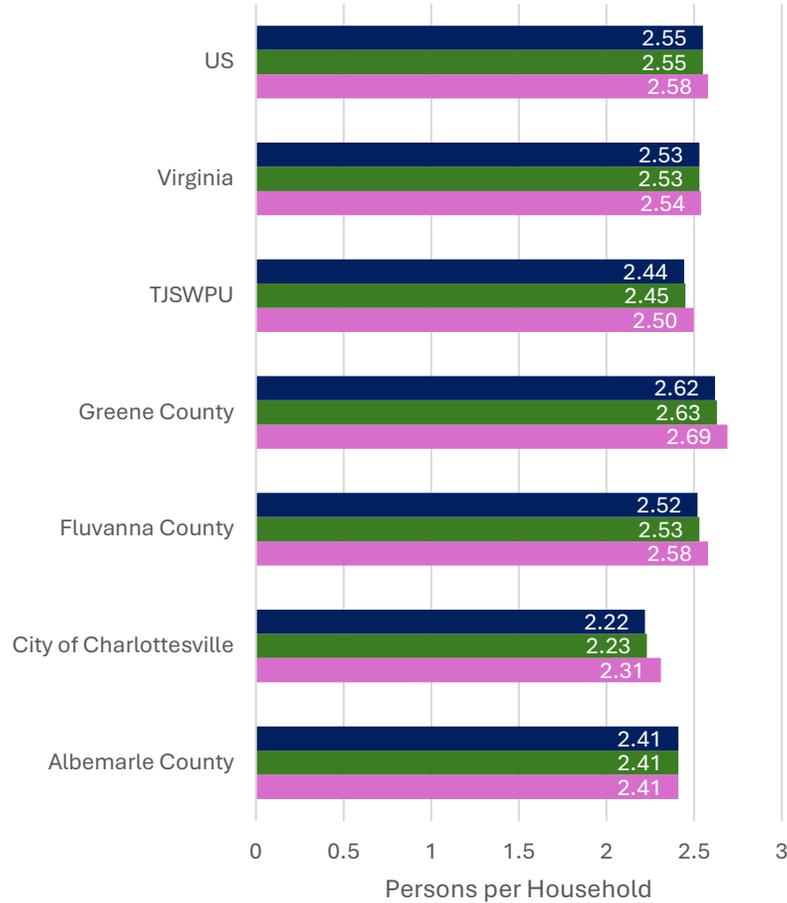
Locality	2000	2010	2020	2030	2040	2050
Charlottesville	40,099	43,475	46,553	48,920	48,939	49,691
Albemarle	84,186	98,970	112,801	124,016	138,523	155,102
Fluvanna	20,047	25,691	27,310	28,394	31,523	35,124
Greene	15,244	18,403	20,648	22,376	24,661	27,315
Total	159,576	186,539	207,312	223,706	243,646	267,232

Source: *Weldon Cooper Center, Virginia Population Estimates & Projections*



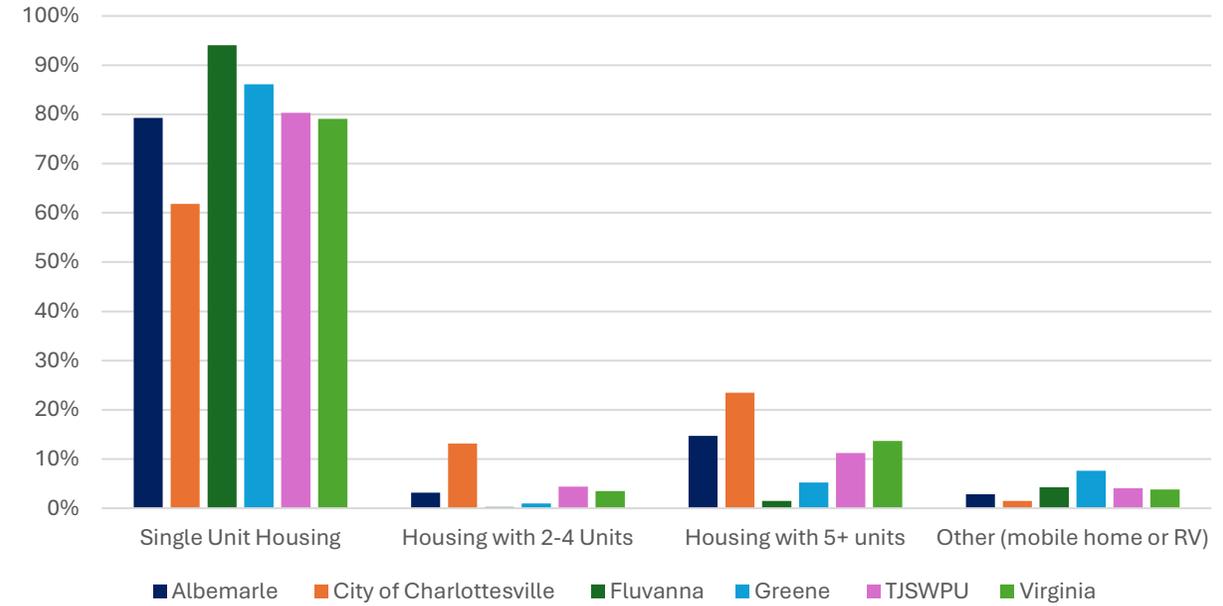
Housing

Average Household Size

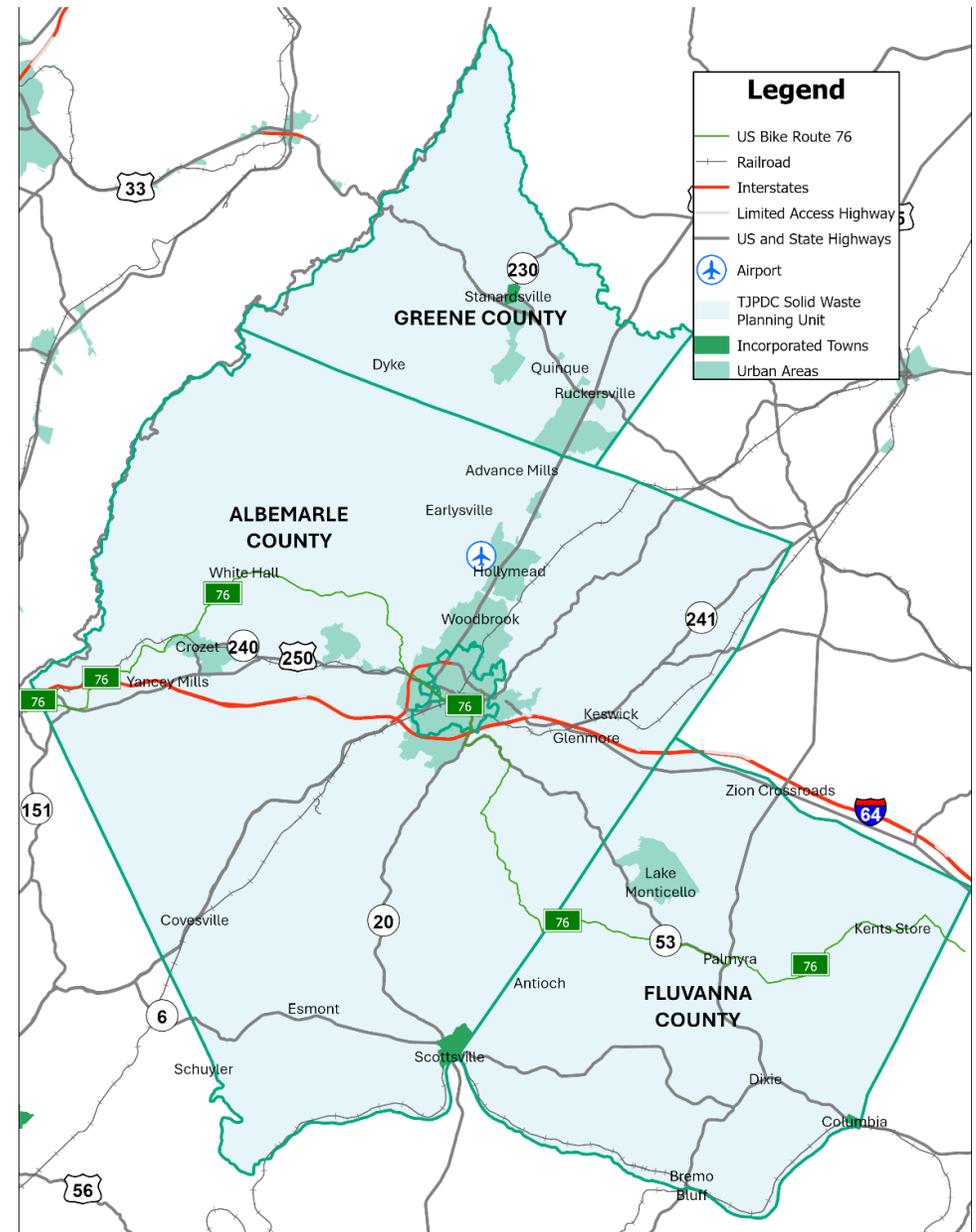


Number of Housing Units				
Locality	2000	2010	2020	Change from 2010
Albemarle County	31,876	42,122	47,291	12%
City of Charlottesville	16,851	19,189	21,413	12%
Fluvanna County	7387	10,383	11,127	7%
Greene County	5574	7,509	8,464	13%
TJSWPU	61,688	79,203	88,295	11%

Percent of Population in Housing Structure by Type

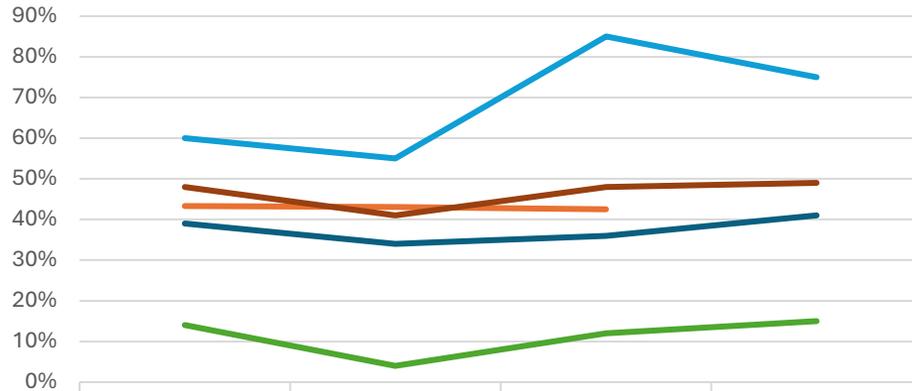


Transportation and Geography



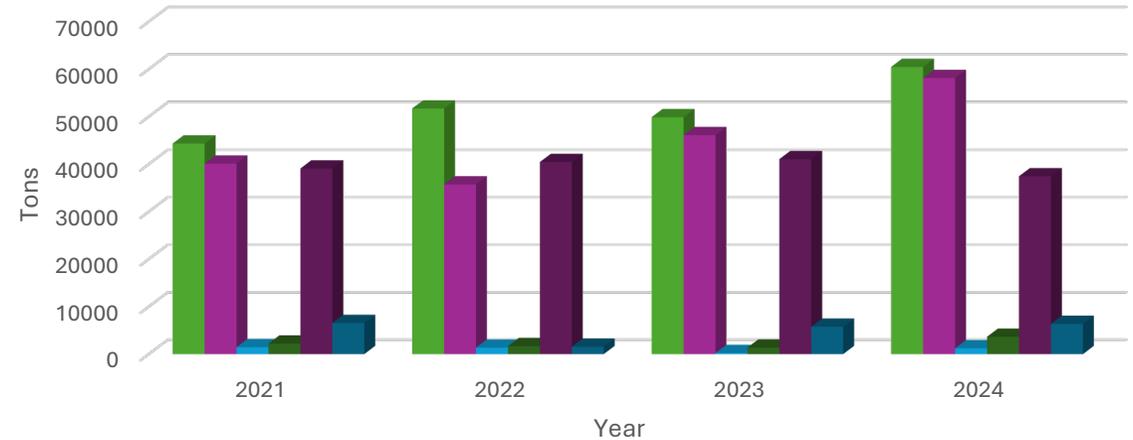
Recycling and MSW

Annual Recycling Rate by Jurisdiction



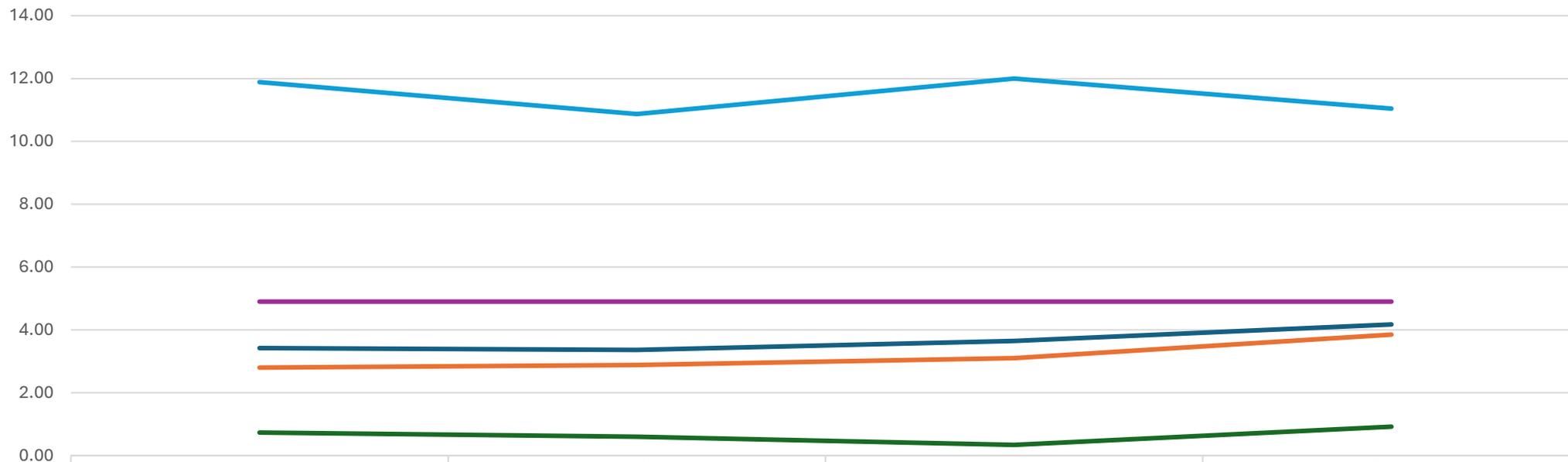
	2021	2022	2023	2024
Virginia	43%	43%	43%	
Fluvanna	60%	55%	85%	75%
Greene	14%	4%	12%	15%
RSWA	48%	41%	48%	49%
Region	39%	34%	36%	41%

Annual Waste and Recycling Tonnage by Jurisdiction



- Albemarle & Charlottesville MSW
- Albemarle & Charlottesville Recycling
- Fluvanna MSW
- Fluvanna Recycling
- Greene MSW
- Greene Recycling

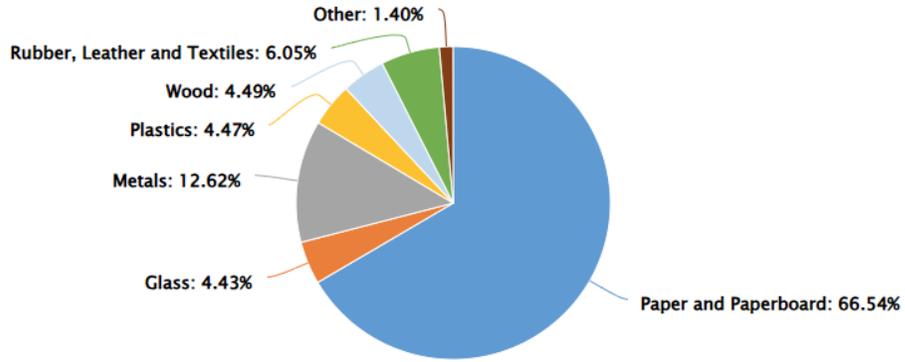
Per Capita Waste Generation (lbs/person/day)



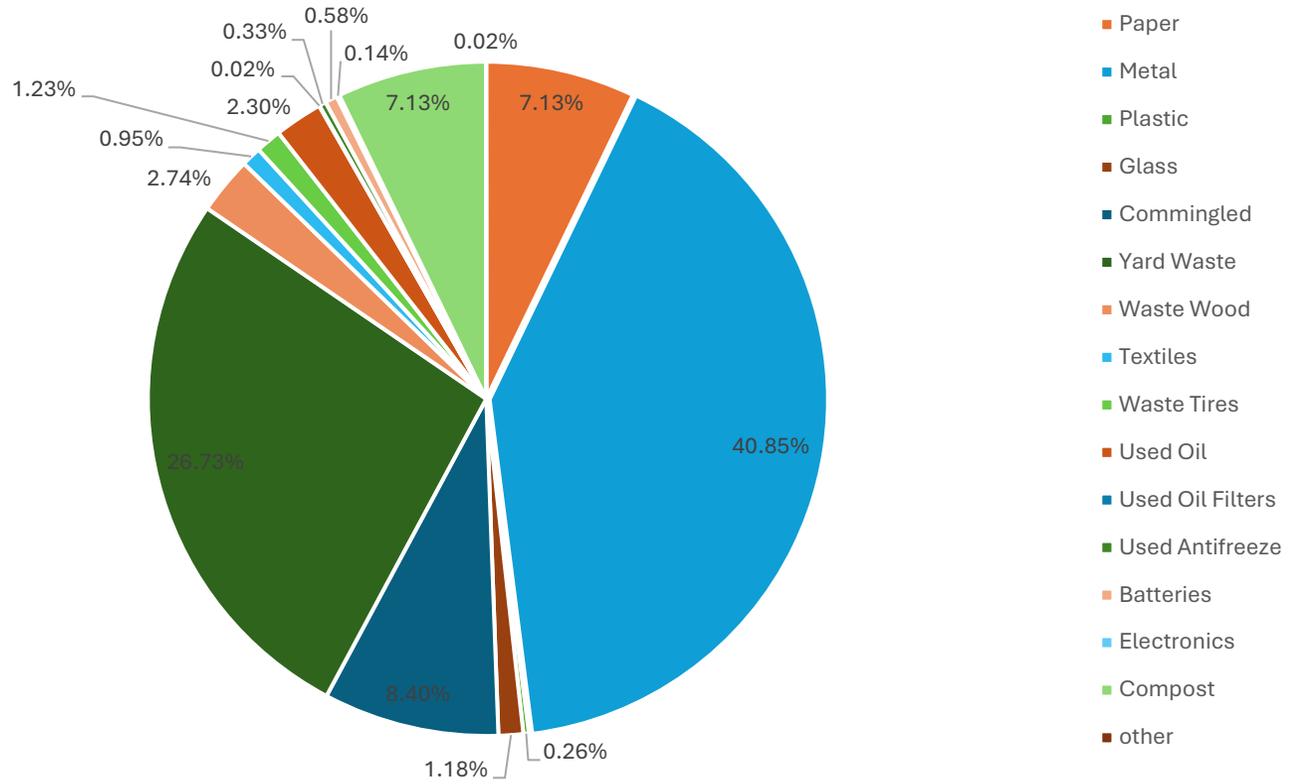
	2021	2022	2023	2024
Region	3.42	3.36	3.65	4.17
RSWA	2.8	2.88	3.1	3.85
Fluvanna	0.73	0.6	0.34	0.92
Greene	11.89	10.87	12	11.04
US (2018)	4.9	4.9	4.9	4.9

Total MSW Recycling by Material, 2018

69.1 million tons



Total MSW Recycling by Material, 2024



- Paper
- Metal
- Plastic
- Glass
- Commingled
- Yard Waste
- Waste Wood
- Textiles
- Waste Tires
- Used Oil
- Used Oil Filters
- Used Antifreeze
- Batteries
- Electronics
- Compost
- other

SWIA Reporting

Annual Reporting Period 2023 for Virginia Jurisdictions						
Waste Type	Total Waste Received	Tons Recycled or Diverted	Recycled Onsite	Recycled Offsite	Composted	Mulched
Municipal Solid Waste	10,574,170.48	119,628.46	4,138.31	113,797.15	1,693.00	0.00
Construction/Demolition/Debris	3,774,592.80	362,934.45	266,461.79	60,011.97	0.00	36,460.69
Other Waste	649,821.53	300,705.87	30,018.86	252,241.13	18,445.88	0.00
Industrial Waste	569,510.53	24,433.57	0.00	4,982.22	19,451.35	0.00
Petroleum Contaminated Soil	393,486.33	63,539.00	0.00	63,539.00	0.00	0.00
Incineration Ash	393,062.26	100,166.40	0.00	100,166.40	0.00	0.00
Vegetative/Yard Waste	376,838.54	294,974.86	4,182.30	20,120.91	82,785.95	187,885.70
Sludge	238,918.89	19,538.19	0.00	0.00	19,538.19	0.00
Tires	83,790.23	65,687.11	24,860.13	40,826.97	0.00	0.00
White Goods	24,488.49	22,864.62	2,274.58	20,590.05	0.00	0.00
Regulated Medical Waste	10,163.08	0.00	0.00	0.00	0.00	0.00
Friable Asbestos	2,836.03	0.00	0.00	0.00	0.00	0.00
Total	17,091,679.18	1,374,472.52	331,935.97	676,275.79	141,914.37	224,346.39

Source: www.deq.virginia.gov/land-waste/solid-hazardous-waste/solid-waste/solid-waste-information-assessment

Table 18 – Methods of Solid Waste Management (in Tons) – 2023

Methods of Solid Waste Management	2023 Tons	Percentage
Landfilled Onsite	13,634,810.11	75.22%
Incinerated Onsite	1,902,629.70	10.50%
Sent Offsite to be Recycled	756,028.26	4.17%
Other Onsite	699,843.11	3.86%
Stored Onsite End of Year	399,343.58	2.20%
Recycled Onsite	345,902.97	1.91%
Mulched Onsite	224,369.39	1.24%
Composted Onsite	162,837.71	0.90%
Total	18,125,764.83	100.00%

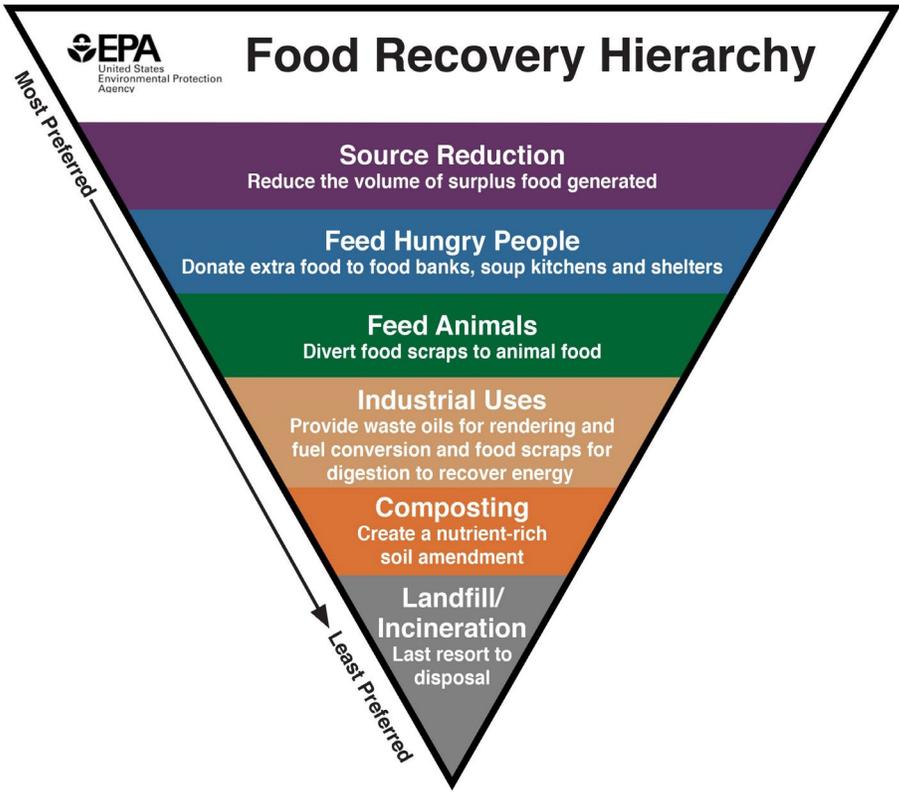
Note: The basis for determining these percentages is the sum for all methods of waste management (recycled, composted, landfilled, etc.) in Table 1, with the exception of: (1) waste stored onsite at the beginning of the year (which is similar to waste received) and (2) waste that was sent offsite for treatment, storage or disposal (i.e., waste that was simply transferred to another facility for ultimate management). Accounting for those two exceptions, the basis for these percentages is 18,125,764.83 tons. Facilities that mine landfill materials report how much material was mined and how it was managed.

Source: www.deq.virginia.gov/land-waste/solid-hazardous-waste/solid-waste/solid-waste-information-assessment

Planning	Responsible Parties
Planning Goal 1: Maintain an efficient and effective solid waste management system.	
Objective 1: Coordinate and facilitate efficient coordinated and fiscally sound solid waste management contracts across localities.	
Use Request for Proposals (RFPs) when soliciting contracts when feasible instead of Invitations to Bid.	Localities
Include cooperative procurement language in contracts that would allow the other members of the SWPU to use the contract services under the same cost, terms, and conditions.	Localities
Encourage public-private partnerships for waste management when cost efficiencies can be achieved.	Localities
Maintain a regional centralized archive at the TJPDC for reporting to DEQ and cataloging all locality waste management contracts.	TJPDC
Objective 2: Promote planning district collaboration with localities in preparing for future system capacity needs.	
Review waste streams, markets, programs, and system capacity regularly.	TJPDC
Objective 3: Realize economies of scale through regional collection, disposal, and recycling opportunities.	
Identify and reduce barriers to regional coordination of contracts.	Localities
Coordinate contracts for special waste collection.	Localities
Jointly sponsor convenience centers for communities straddling jurisdictional lines or adjacent communities in separate jurisdictions.	Transfer Stations, Localities

Planning Goal 2: Source Reduction and Reuse Goal: To reduce the quantity of waste generated through source reduction, reuse, and other waste reduction techniques.	
Objective 1: Support the localities in expanding reuse infrastructure and culture in the region.	
Expand the reuse of building materials.	Transfer Stations, Localities
Promote online tools, such as Freecycle, Teracycle, and Craigslist that facilitates the reuse of materials before they enter the solid waste stream.	TJPDC
Educate the public on the importance of and services available source reduction, reuse, and recycling through various media: website, brochures, fair display, social media, etc.	TJPDC
Promote home composting through workshops when feasible and educational materials.	Piedmont Master Gardeners-Charlottesville
Support and expand organic waste collection.	Piedmont Master Gardeners-Charlottesville
Establish Environmental Management Systems or source reduction initiatives in localities where they do not currently exist.	Localities
Objective 2: Explore opportunities with the localities and their economic development departments on how reuse may contribute to the local economy.	
Assess opportunities to facilitate industrial symbiosis between existing public and private facilities or through recruitment of industries that can use waste generated in the region as raw material for production.	Localities

Waste Management Hierarchy



Current Plan (2021 - 2026) Goals

Planning Goal 1: Maintain an efficient and effective solid waste management system.

Planning Goal 2: Source Reduction and Reuse Goal: To reduce the quantity of waste generated through source reduction, reuse, and other waste reduction techniques.

Recycling Goal 1: Continually improve recycling rate to meet the state-mandated rate and maintain a regional rate that is competitive with the national rate.

Recycling Goal 2: Stimulate demand for a circular economy.

Resource Recovery and Waste Goal 1: Provide environmentally sound solid waste collection facilities that are convenient to the region's residents.

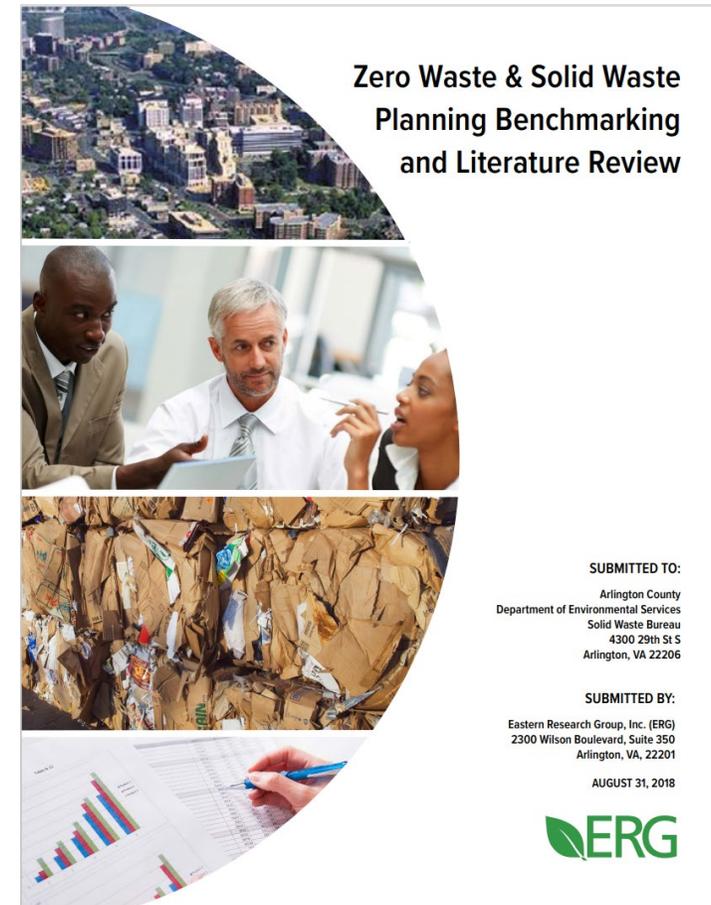
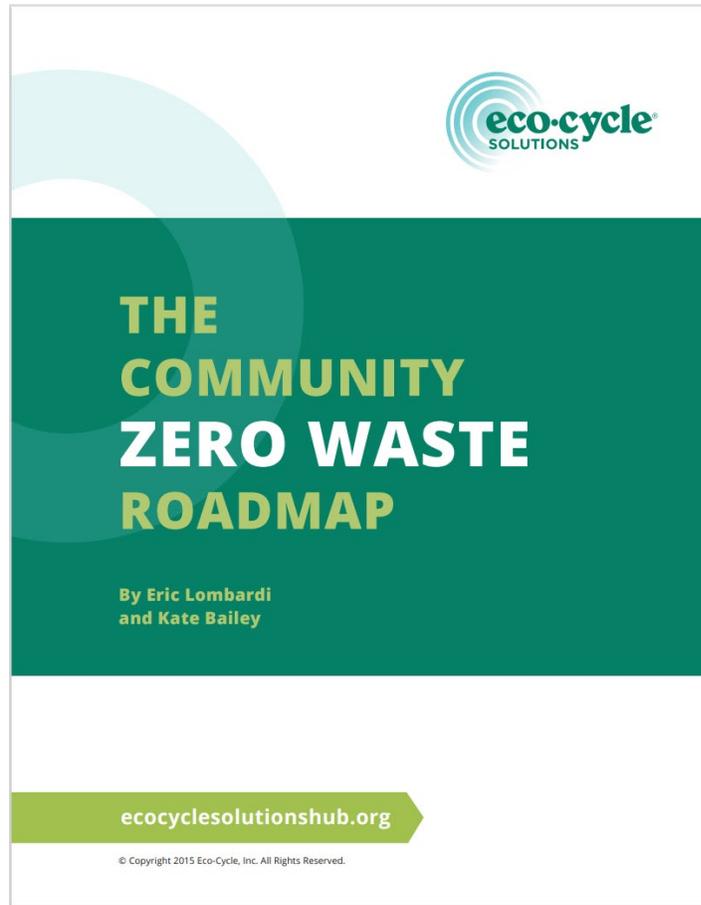
Resource and Recovery Waste Goal 2: Comply with Federal and State regulations.

Breakout Groups

- What are the key strengths or positive aspects of these two goals? Are they still relevant to the region's current needs?
- What is missing from these goals, or how could they be clarified or improved to be more actionable?
- Considering the entire list of six goals, do these categories collectively meet the current and projected waste management needs of our region for the next planning period?

Planning Resources

Available on the TJPDC SWP Website under TAC Meeting Materials



US 2030 Recycling & Food Loss and Waste Reduction Goal



THE NEW NATIONAL RECYCLING GOAL Increase the national recycling rate to 50% by 2030

Why Recycle?

Recycling is a key driver of the U.S. economy and a good way to save natural resources (such as timber and water) and protect the environment by reducing the need to create new materials. We help our economy by using materials from the U.S., supporting American manufacturing, and creating jobs in the recycling and manufacturing industries.

What Is the National Recycling Goal?

At the 2020 America Recycles Summit, Administrator Wheeler announced EPA's first-ever National Recycling Goal to increase the national recycling rate to 50% by 2030. The agency recognizes that collective commitments are best achieved when we have a common goal. EPA challenges Americans – businesses, communities, and individuals to embrace EPA's National Recycling Goal to help our collective efforts to improve the nation's recycling system, create more jobs, and conserve our natural resources. Administrator Wheeler also announced three measures to support that goal and evaluate performance:

U.S. 2030 Food Loss and Waste Reduction Goal

On September 16, 2015, the U.S. Department of Agriculture (USDA) and EPA announced the U.S. 2030 Food Loss and Waste Reduction goal, the first-ever domestic goal to reduce food loss and waste. The goal seeks to cut food loss and waste in half by the year 2030.

By acting on this goal, the U.S. can reduce local and global environmental impacts associated with food loss and waste while improving food security and saving money for families and businesses.

EPA, USDA, and the Food and Drug Administration (FDA) form a [Federal Interagency Collaboration to Reduce Food Loss and Waste](#), and together work with communities, organizations and businesses, along with our partners in state, Tribal and local government, to take actions that will lead us closer to achieving the national goal.

Planning Schedule

Technical Advisory Committee Meetings

Five meetings to coordinate the update with local staff and stakeholders

2

Public Engagement
Survey, Virtual Workshop, Public Comment, Public Hearing, Local Presentations

4

Draft & Finalize Plan
Present to TAC, open public comment period, incorporate feedback

6

Sep – Jul 26

Sep – Oct 25

Oct 25 – Sep 26

Dec – Feb 26

Mar - Jul

Sep - Oct

1

Data Collection & Analysis
Current & future waste generation projections

3

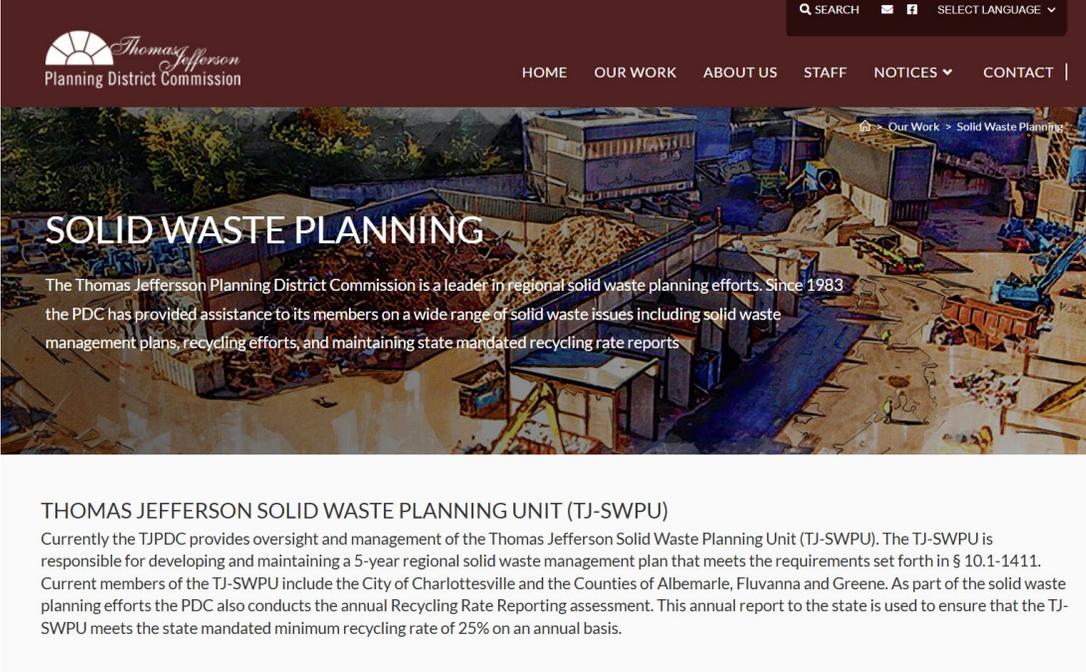
Implementation Planning
Determine goals, objectives, and implementation schedule

5

Adoption
Public hearing, present to TJPDC, localities, and submit to DEQ

Planning Webpage

- Link: <https://tjpd.org/our-work/solid-waste/>
- Overview
- TAC Members
- Meeting Materials
- Past Plan Archive and Other Resources



The screenshot shows the website for the Thomas Jefferson Planning District Commission (TJPD). The header is dark red with the TJPD logo on the left and navigation links (HOME, OUR WORK, ABOUT US, STAFF, NOTICES, CONTACT) on the right. A search bar and social media icons are also present. The main content area features a large image of a waste transfer station with the heading "SOLID WASTE PLANNING". Below the image, there is a paragraph of text describing the TJPD's role in regional solid waste planning. A sub-section titled "THOMAS JEFFERSON SOLID WASTE PLANNING UNIT (TJ-SWPU)" follows, with a paragraph detailing the unit's responsibilities and members.

THOMAS JEFFERSON SOLID WASTE PLANNING UNIT (TJ-SWPU)
Currently the TJPD provides oversight and management of the Thomas Jefferson Solid Waste Planning Unit (TJ-SWPU). The TJ-SWPU is responsible for developing and maintaining a 5-year regional solid waste management plan that meets the requirements set forth in § 10.1-1411. Current members of the TJ-SWPU include the City of Charlottesville and the Counties of Albemarle, Fluvanna and Greene. As part of the solid waste planning efforts the PDC also conducts the annual Recycling Rate Reporting assessment. This annual report to the state is used to ensure that the TJ-SWPU meets the state mandated minimum recycling rate of 25% on an annual basis.

Next Steps

- Homework
 - Review Data and Analysis
 - Complete Data Worksheet by December 15th
- Survey Data Share
- January Public Workshop
- Next Meeting:
 - January 8th at 10:30 – Need to Reschedule for Late January

Questions?

Contact Information

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