

2015 SOLID WASTE MANAGEMENT PLAN



APRIL 20,
2015

TOWN OF VIENNA

THE TOWN OF VIENNA'S STRATEGY FOR THE MANAGEMENT OF SOLID
WASTE GENERATED WITHIN THE TOWN.

SOLID WASTE MANAGEMENT PLAN

April 20, 2015

EXECUTIVE SUMMARY

The Town of Vienna strives to efficiently and effectively manage government services while minimizing the impact on the environment by maximizing recycling of all solid waste. The 63.74% recycling rate exceeds the required 25% rate. Since the last Plan update single stream recycling has been implemented, the requirement to call-in for special pickup of bulky items was eliminated, and a long-term solid waste disposal agreement approved.

INTRODUCTION

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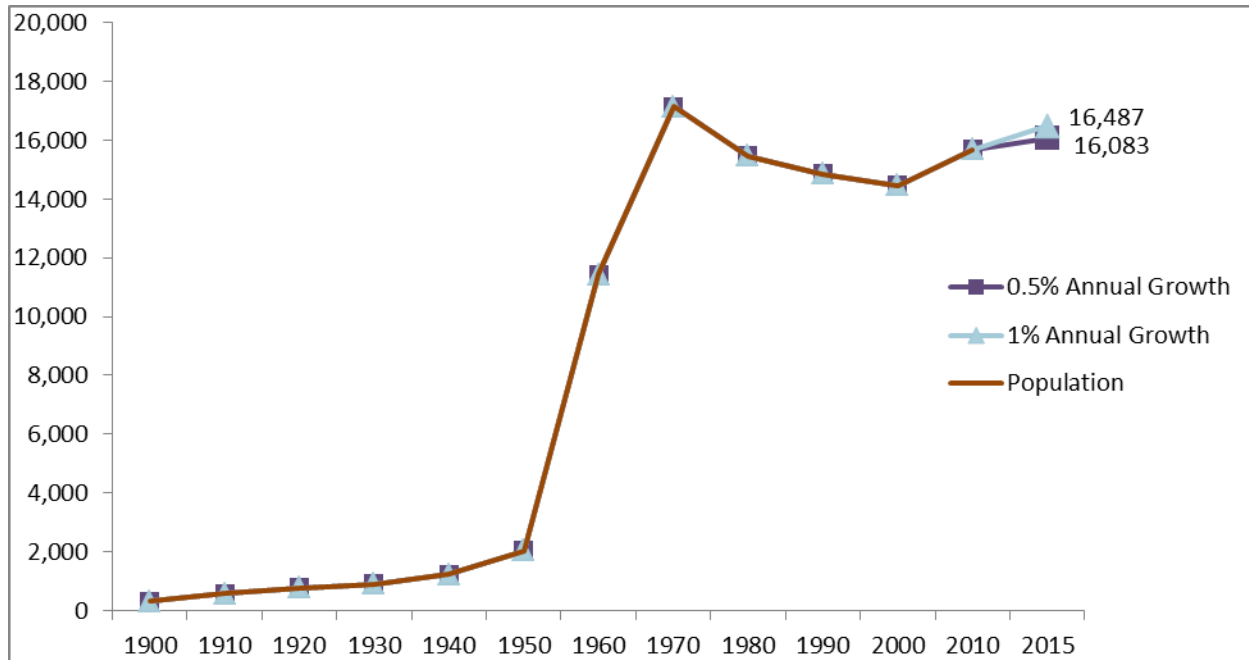
Section 9 VAC 20-130-175.f. of the Virginia Solid Waste Planning and Recycling Regulations, Amendment 2, requires that solid waste management planning units submit plan updates on the 5-year anniversary of their initial approval. The Town of Vienna update is due April 20, 2015. The focus of this plan is to continue to provide a cost-effective, environmentally sound sanitation program that has the support of the community and elected leaders while meeting or exceeding all regulatory requirements.

TOWN OF VIENNA DEMOGRAPHICS

2|TWO

The Town of Vienna, established 1890, is a small, completely urbanized community within Fairfax County. Most (70.5%) of the 4.41 square mile land

area is zoned residential, with 9.7% commercial or industrial and 19.8% parks and government. The number of residents has remained stable for the past 40 years and no dramatic changes are predicted.



HOUSING AND LAND USE

A total of 2,376.3 acres (excluding rights-of-way) constitute Vienna's corporate area, of which 70.4 percent is developed for residential purposes. The remaining acreage is devoted to recreational uses (13.97 percent), commercial/industrial uses (9.73 percent), and governmental/institutional uses (5.84 percent).

RESIDENTIAL LAND USE

Single-family detached dwellings account for approximately 82 percent of all residential units. Townhouses comprise almost 8 percent of the town's total residential units. Multifamily units, representing around 10 percent of all residential units, include apartments, duplexes, and condominiums.

Type	Units	Percent of Total
Single-Family	4,724	82.3%
Townhouse	422	7.4%
Apartment	313	5.4%
Condominium	279	4.9%
Total	5,738	100%

COMMERCIAL LAND USE

Vienna has two types of commercial activities: professional/general office space and retail sales. Of the almost 3.5 million square feet of commercial and industrial uses, about 60 percent is used for professional/office space and about 30 percent is used for retail sales. The remainder of the floor area is industrial.

INDUSTRIAL LAND USE

Vienna has two industrial areas: the industrial corridor on Mill Street and Dominion Road in the northeast quadrant (zoned CM); and the Vienna Technology Park in the southeast quadrant at the end of Follin Lane (zoned CMP).

Land Use	Acreage	Percent of Total
Residential	1,674.5	70.5%
Single-family Detached	1,592.05	67.0%
Townhouse	58.67	2.5%
Multifamily	23.78	1.0%
Commercial/Industrial	231.13	9.7%
Commercial	132.08	5.5%
Industrial	99.05	4.2%
Other	470.64	19.8%
Parks and Recreation	331.92	14.0%
Public Parkland and Recreation (excluding schools)	155.19	6.5%
Private Recreation	176.73	7.5%
Governmental	85.71	3.6%
Institutional	53.01	2.2%
Total	2,376.28	100.0%

PARKS AND RECREATION

Vienna has 332 acres of land devoted to parks and recreational use, comprising 14 percent of the Town's total land. This figure includes 155 acres of public facilities—those owned by the Town, as well as parks owned and operated by Fairfax County and the Northern Virginia Regional Park Authority.

Paid as part of residential real estate taxes, a variety of residential refuse, recycling, loose brush, yard waste and bulk item collection services are offered curbside on a weekly basis by Town crews. Quarterly citizens are encouraged to drop-off unwanted automotive waste at the Vienna Northside Property Yard. Each fall curbside vacuum leaf collection is offered, with the leaves ground into mulch. Homeowners may order leaf mulch in the winter for pre-spring delivery to residences.

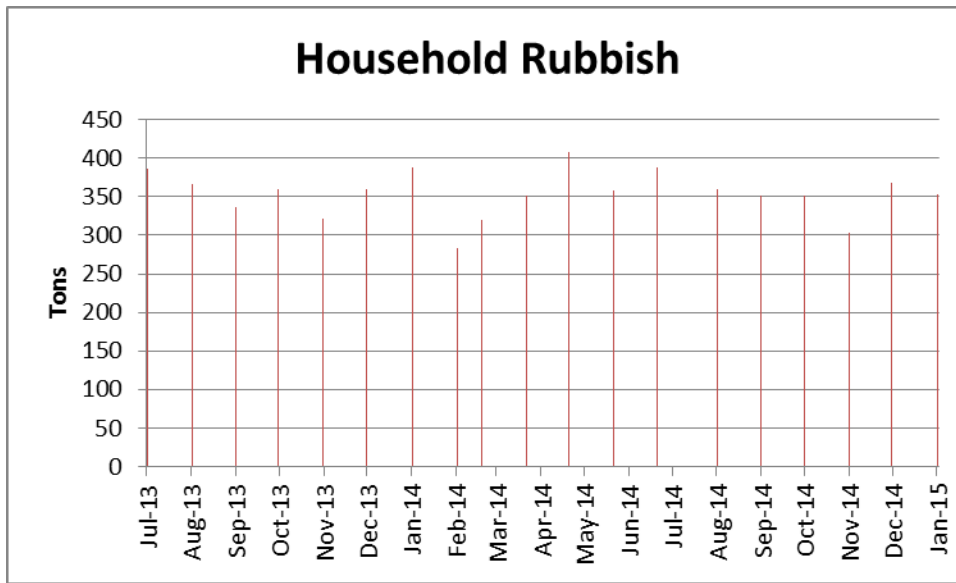
HOUSEHOLD RUBBISH

Residential refuse is collected weekly from all Town of Vienna 5,146 single-family detached and townhouse residential properties. Town trucks transport the material to the Fairfax County solid waste facility on West Ox Road, where it is then hauled to the Covanta incinerator in Lorton, Virginia. The Town of Vienna has entered into a long-term agreement with Fairfax County that guarantees the Town household refuse will continue to be transported to the County facility.

Month	Year	Comingled Rubbish Tons
July	2013	387
August	2013	367
September	2013	337
October	2013	360
November	2013	321
December	2013	359
January	2014	388
February	2014	284
March	2014	320
April	2014	352
May	2014	408
June	2014	358
July	2014	388
August	2014	359
September	2014	351
October	2014	352
November	2014	304
December	2014	368
January	2015	353



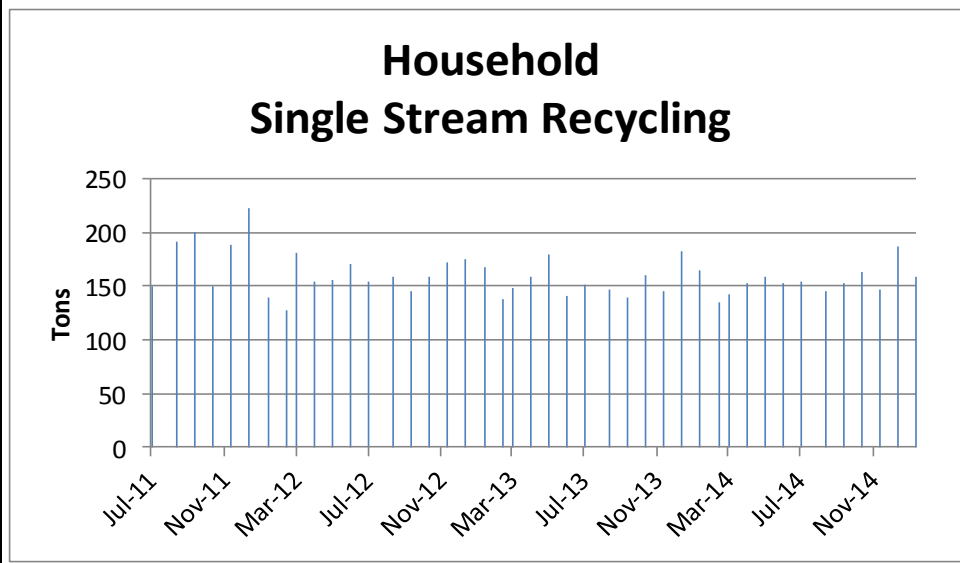
Tonnage of household rubbish has remained relatively constant for many years.



HOUSEHOLD SINGLE STREAM RECYCLING

Curbside single stream recycling collection is offered weekly and collected by Town crews. Residents may place paper products, cardboard, glass, plastics, and aluminum in one refuse can or bin, which is collected and transported to the waste management recycling facility in Merrifield, Virginia. The Town of Vienna has a multi-year disposal contract and currently receives \$10/ton revenue for single stream recycled material.

Month	Year	Single Stream Recycling Tons
June	2011	
July	2011	150
August	2011	192
September	2011	201
October	2011	150
November	2011	188
December	2011	223
January	2012	140
February	2012	127
March	2012	181
April	2012	154
May	2012	155
June	2012	171
July	2012	155
August	2012	159
September	2012	146



Month	Year	Single Stream Recycling Tons
October	2012	159
November	2012	172
December	2012	175
January	2013	168
February	2013	138
March	2013	149
April	2013	159
May	2013	179
June	2013	140
July	2013	152
August	2013	146
September	2013	140
October	2013	160
November	2013	146
December	2013	182
January	2014	165
February	2014	135
March	2014	143
April	2014	152
May	2014	159
June	2014	153
July	2014	154
August	2014	146
September	2014	153
October	2014	163
November	2014	147
December	2014	188
January	2015	159

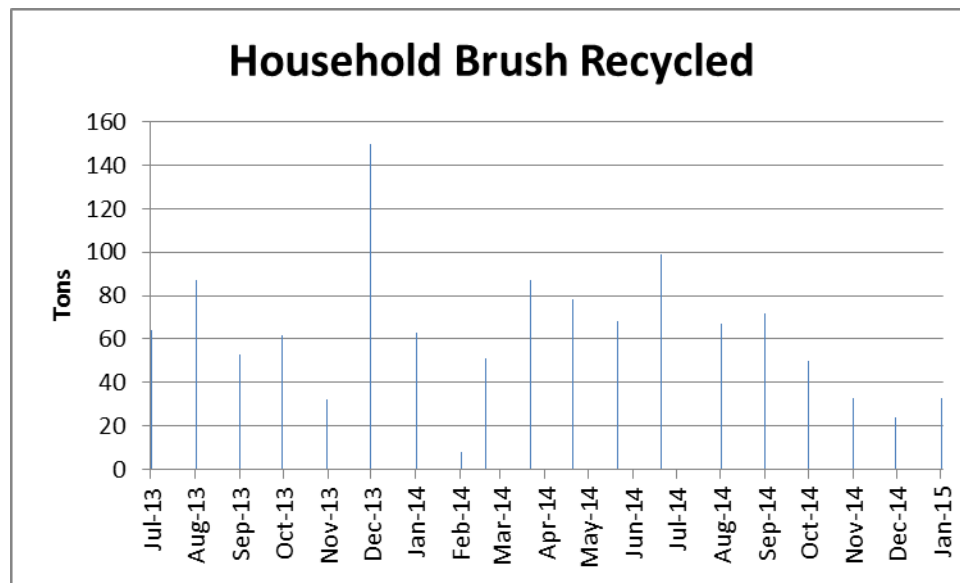
Tonnage of household single stream recycling has remained relatively constant for many years.

HOUSEHOLD LOOSE BRUSH

Residential piles of loose brush is collected weekly with a “claw” truck and transported to the Fairfax County solid waste facility on West Ox Road. A tub grinder turns the material into wood chips. Additionally limbs and brush cut by the Town of Vienna, Parks & Recreation Department tree crew is handled in a similar fashion. The wood chips are available for free pickup and the Town Parks

crew reuses approximately 300 cubic yards of wood chips annually on flower beds in Town parks.

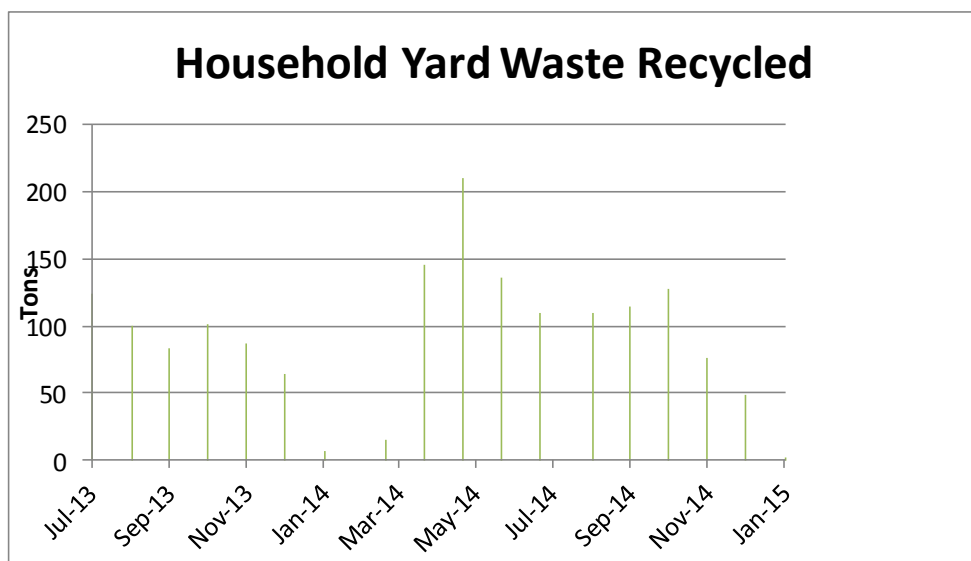
Month	Year	Tons of Brush
July	2013	64
August	2013	87
September	2013	53
October	2013	62
November	2013	32
December	2013	150
January	2014	63
February	2014	8
March	2014	51
April	2014	87
May	2014	78
June	2014	68
July	2014	99
August	2014	67
September	2014	72
October	2014	50
November	2014	33
December	2014	24
January	2015	33



HOUSEHOLD YARD WASTE

Residential grass clipping, leaves, acorns, plant clippings, weeds and similar materials placed in clear plastic or Kraft bags is collected curbside weekly and transported to the Fairfax County solid waste facility on West Ox Road. The bags are removed and the material ground into mulch that is available for free pickup.

Month	Year	Tons of Yard Waste
July	2013	124
August	2013	100
September	2013	83
October	2013	101
November	2013	87
December	2013	64
January	2014	7
February	2014	0
March	2014	15
April	2014	145
May	2014	210
June	2014	136
July	2014	110
August	2014	109
September	2014	114
October	2014	127
November	2014	76
December	2014	49
January	2015	2



Tonnage collected varies with the season, with little or no material collected in severe winter months.

HOUSEHOLD QUARTERLY DROP-OFF & VIENNA VEHICLE MAINTENANCE DIVISION RECYCLING SERVICES

Quarterly, citizens are encouraged to drop-off unwanted antifreeze, oil, oil filters, and truck batteries at the Vienna Northside Property Yard for collection and

reprocessing by a private vendor. Waste tires from the Vienna Vehicle Maintenance Division are taken to the Fairfax County solid waste facility on West Ox Road, where they are ground up and recycled. Large truck tires in good condition are recycled by retreading and reuse on Town trucks.

Year	Gallons of Waste Oil	Gallons of Waste Antifreeze	250 lb. drums of Auto Filters recycled	Batteries Recycled	Tons of tires recycled	Tires Retreaded
2010	1325	160	3	41	3.6	9
2011	950	0	4	31	4.4	47
2012	1175	0	2	64	2.5	22
2013	975	0	2	55	2.3	25
2014	525	0	3	60	2.2	38

CURBSIDE LEAF COLLECTION & LEAF MULCH DELIVERY

Each fall Town vacuum leaf trucks collect loose leaves raked to the curb. Leaves are transported to the Beulah Road leaf processing site where they are pulverized by a tub grinder which turns the material into finely chopped leaf mulch. Citizens may order free delivery of mulch for gardening. Leaf mulch is particularly useful to amend the clay soil in Vienna and azalea plants benefit from a layer of mulch applied each fall.

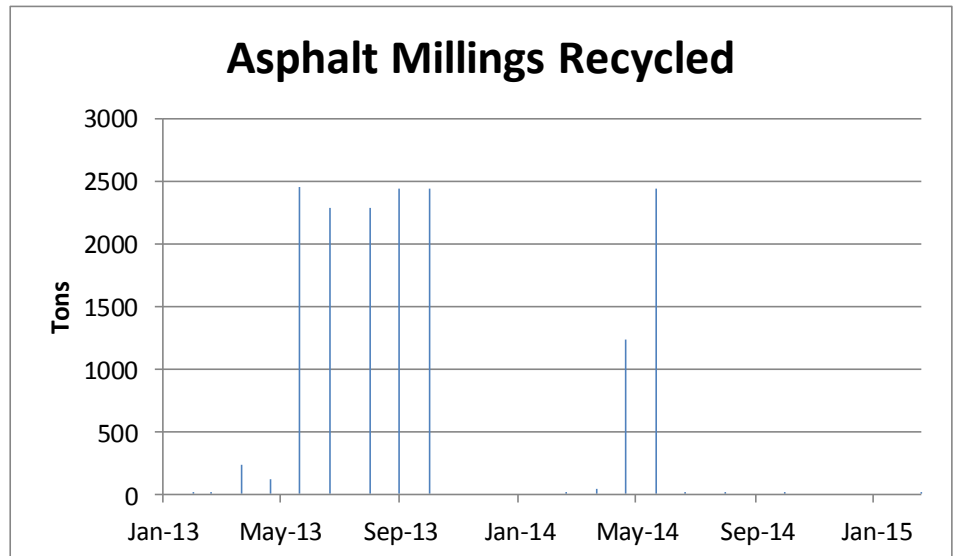
Month	Year	Cubic Yards of Leaves Recycled
November	2012	5313
December	2012	4795
January	2013	315
October	2013	294
November	2013	5411
December	2013	5558
January	2014	1057
October	2014	357
November	2014	5320
December	2014	5138
January	2015	504



ASPHALT MILLINGS RECYCLED

The Town Street Maintenance Division utilizes an asphalt milling machine to grind off up to 6" of street pavement before overlay. To avoid hauling the material to a landfill, the milled asphalt is used as backfill for water and sewer department trenches as a substitution for gravel backfill.

Month	Year	Tons
January	2013	0
February	2013	2
March	2013	20
April	2013	231
May	2013	124
June	2013	2447
July	2013	2279
August	2013	2279
September	2013	2438
October	2013	2438
November	2013	0
December	2013	0
January	2014	0
February	2014	0
March	2014	13
April	2014	39
May	2014	1232
June	2014	2438
July	2014	18
August	2014	18
September	2014	0
October	2014	18
November	2014	0
December	2014	0
January	2015	0
February	2015	0
March	2015	18



The Town of Vienna is within Fairfax County therefore Vienna residents may utilize the Fairfax County solid waste facility on West Ox Road. Homeowners

may directly drop-off computers, televisions, gaming systems, stereos and other household electronics. The County also accepts residential hazardous materials including solvents, insecticides, florescent light tubes or bulbs, wet paint cans, and other similar material. Single pickup truck amounts of homeowner remodeling debris including lumber, plaster, concrete, shingles, insulation, pipes and fixtures are accepted.

BUSINESS AND COMMERCIAL SOLID WASTE SERVICES 5|FIVE

Solid waste collection and recycling from commercial properties and regulation of commercial trash haulers within the Town of Vienna is regulated and managed by the Fairfax County, Department of Public Works and Environmental Services, Solid Water Management Division, with regulations contained in Fairfax County Code, Chapter 109.1 Solid Waste Management.

Vienna's largest employer, Navy Federal Credit Union offers quarterly free e-recycling and record shredding to Vienna residents. Local merchants offer free or moderately priced recycling turn-in of appliances and used electronics.

RECYCLING PROGRAM ANNUAL PERCENTAGE 6|SIX

The Town of Vienna strives to efficiently and effectively provide government services while minimizing the impact on the environment by maximizing recycling of all solid waste. The 63.74% rate exceeds the required rate.

Material	Tons
Single Stream Recycling	1,857.0
Brush	700.0
Yard Waste	1,098.0
Waste Oil	1.8
Oil Filters	0.4
Truck Batteries	1.6
Recycled Tires	2.2
Retread Tires	1.9
Asphalt Millings	3,777.0
Mulch Delivered	11,872.0
Total Recyclables Collected	19,312.6
Total Refuse Collected	4,232.0

2014 RECYCLE PERCENTAGE

23,544.6 TOTAL TONS COLLECTED

$\frac{19,312.6}{23,544.6} = 82.03\% \text{ RECYCLED}$

The Town of Vienna, Community Enhancement Commission, a group of Vienna citizens appointed by Town Council has reviewed the draft 5-year plan. The Vienna Town Council will consider the Plan at the regular meeting of April 13, 2015 and invite citizen input and comment.

Appendix – Future Solid Waste and Recycling Efforts

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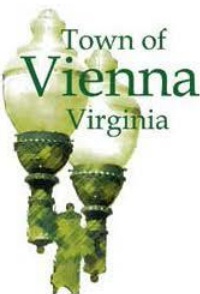
The Town of Vienna is completely developed. Because the Vienna Town Council is committed to the existing zoning of majority single family dwellings, population is predicted to remain stable for the next 20 years or longer. Fairfax County includes Vienna in their long-term waste management disposal planning. The Northern Virginia region has several commercial recycling vendors therefore Vienna is in the enviable position of recycling material disposal at the closest and most lucrative site. Maximizing recycling will be our goal during the next 5-year period.



The Town of Vienna will continue to encourage residential recycling by distributing free recycling stickers to label cans and bags.

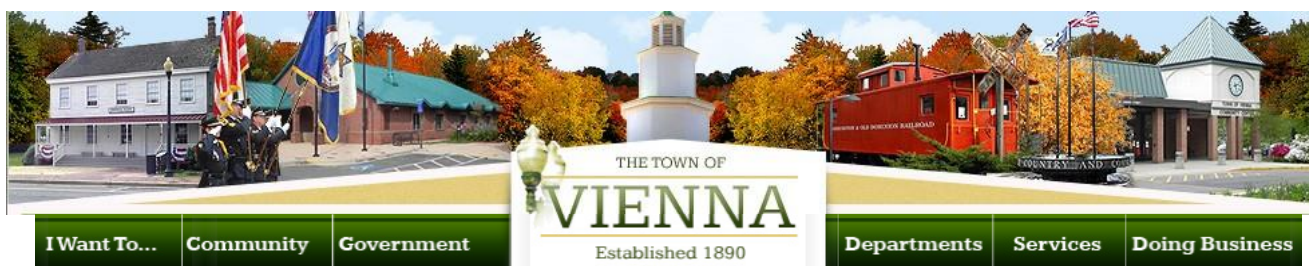
SOLID WASTE REGULATIONS

Town of Vienna, Virginia
Department of
Public Works
703-255-6380
www.viennava.gov



August 2014

A major departmental effort during 2015 is creating a new Solid Waste & Recycling Regulations brochure focusing on how and where residents can recycle common items. During 2015 the Town web site will be streamlined to contain the same recycling information.



Enter search item...

SEARCH

ElectronicWaste

Hazardous Waste

Holiday Collection Schedule

Recycling Collection

Refuse Collection Program

Trash Collection

Community Alerts

Alert Center

Contact The Town

Report A Concern

Home > Departments > Public Works > Sanitation > Refuse Collection Program

Refuse Collection Program

Refuse Collection Program (as of July 2, 2012)

The current refuse collection program simplifies household trash collection by removing all household waste, recycling, yard waste, brush and bulk items on the same day each week. There are five [collection routes](#) throughout the Town, dividing the Town into five equal-sized districts.

How it works each day:

- Two refuse packer trucks collect household waste and non-metal furniture, lumber, rugs, homeowner/handyman debris and other "special pickup" type items that the Fairfax County I-66 Transfer Station will accept.
- Two refuse packer trucks collect single-stream recycling, including large materials like appliance boxes and other items that can be recycled at the Waste Management Recycling Station in Merrifield.
- A knuckle-boom and tandem truck collect loose brush, limbs, yard waste and other material which can be recycled at the I-66 Transfer Station.
- A Sanitation Inspector collects any metal set out for collection.

Placement of Receptacles on Collection Day

Please place all items at the curb line or edge of pavement by 6:00 am on [collection day](#) (but not earlier than 6:00 pm the preceding evening) where it will be easily and safely accessible. Refuse containers should not be placed and left on a sidewalk or any portion of a street right of way where they would interfere with traffic.

Please remove all receptacles from the curb line or edge of pavement as soon as possible collection and by 7:00 pm the same evening as collection. The Town reserves the right to designate the collection point where there is a question or doubt.

Receptacle Requirements

Receptacles should be a maximum size of 55 gallons with a 40-pound weight limit, be watertight metal or plastic (non-breakable), with handles and tight-fitting covers. Plastic bags may be substituted for trash containers provided they meet the 40-pound weight limit.

Recycling can be placed in clear plastic bags, paper bags, plastic bins or loose in a can. [More on recycling.](#)

Yard waste is any soft vegetative debris such as grass clippings, leaves, weeds, vines, etc. and must be contained in a clear plastic bag or a yard waste-specific paper bag obtainable at any local hardware store. There is a 20-bag maximum pickup limit per collection day and each bag should not weigh more than 40 pounds.

Brush is branches or tree debris which are eight feet or less in length and six inches or less in diameter. Brush can be piled next to the curb, bundled or left loose in a trash can if it is shorter than four feet in length.

Disposing of Old Trash Cans

To be sure there is no miscommunication and resident's trash cans are not destroyed accidentally, trash crews will only dispose of defective trash cans that are no longer suitable for use when the cans are upside down and clearly marked "take" for disposal.

More Information

If you don't see your question in the [FAQs](#) or for more information, contact the Department of Public Works through one of the following methods:

- **By Email:** Email the [Department of Public Works](#).
- **By Phone:** Call the Department of Public Works at 703-255-6380.
- **By Mail:** Department of Public Works, 127 Center Street, S, Vienna, VA 22180

Recycling decals are available to residents through the Public Works Department for placement on permanent recycling containers. This is a complimentary service that will assist town crews in identifying recycling from trash. It is not a requirement and all trash and recycling will be collected with or without an identifying decal.

While no further initiatives are planned, Town staff and the Vienna Community Enhancement Commission will investigate new opportunities as they arise.

Appendix – Fairfax County Solid Waste Disposal Agreement 9|NINE