Convenience Center July 2019 Update



Background

2018 - Board received citizen requests for a garbage/recycle drop-off location closer to District 2 residents

Oct. 9 BOS - Discussed Process & Costs

Dec. 11 BOS - Discussed possible countyowned sites in District 2

Today: Review

What is a "Convenience Center"?

Definition (DEQ):

- Strategically-located drop-off site for residents
- Waste and recycle is transported off-site
- May not receive waste from vehicles that have collected waste from more than one property owner



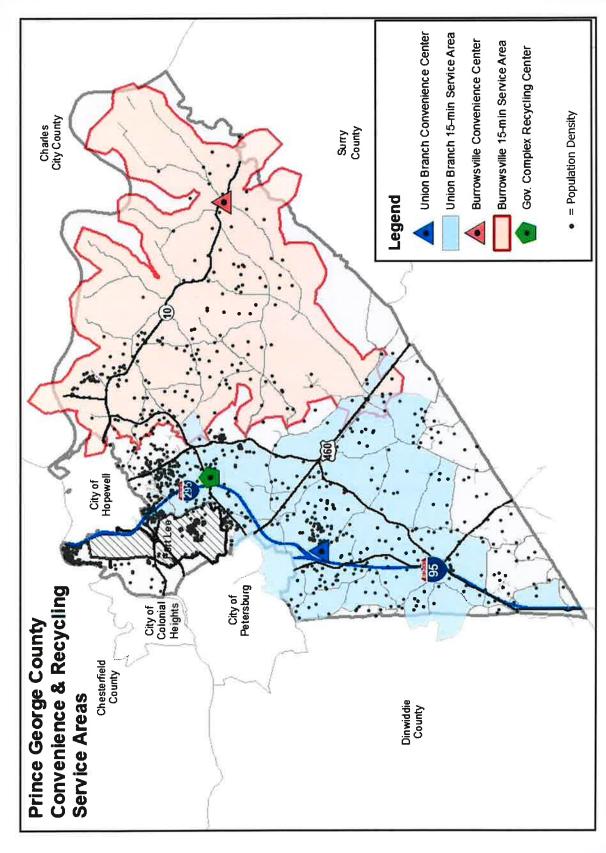




Existing Facilities in Prince George County

| Facility | Fees | Operating Hours | Annual Usage |
|------------------------------------|--|--|--|
| Union Branch (Southwest) | Union Branch\$3 min charge). Waste fees(Southwest)charged for metals and yard waste. | (\$.06 per pound, arge). Waste fees retals and yard waste. | 1,743 Tons Waste 631 Tons Recycling |
| Burrowsville (Northeast) | Per Bag (\$1.00 per 30-gal bag) | Saturday Only 8am-4pm | 94 Tons Waste |
| Gov Complex (North-central) | N/A | Always open (Not posted) | 210 Tons Recycling |

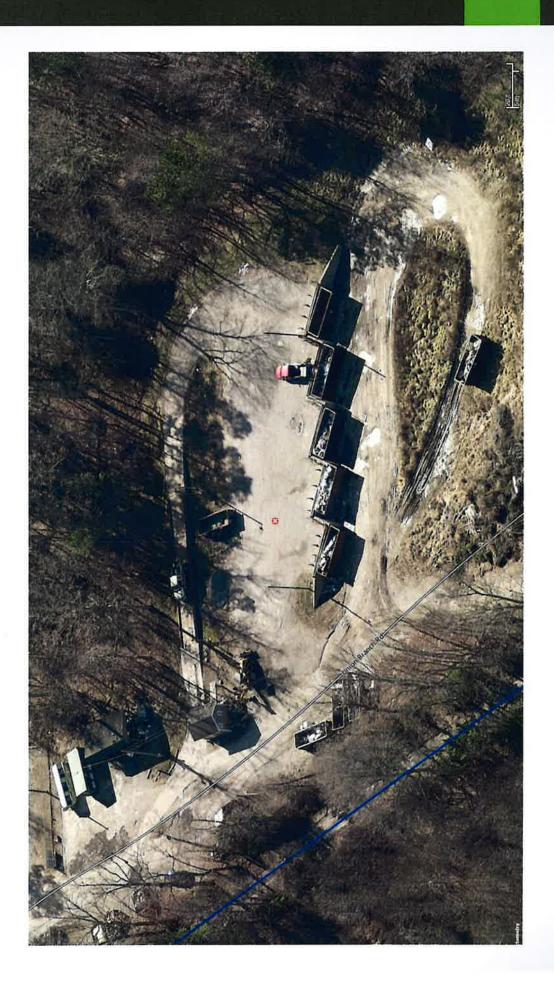
Existing Service Areas





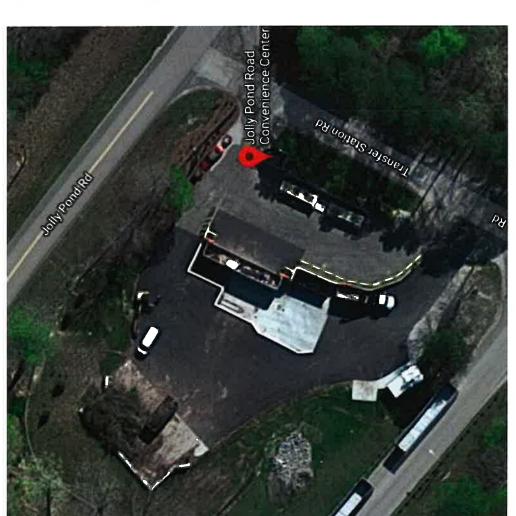
∃ Miles

Existing Facility Layout

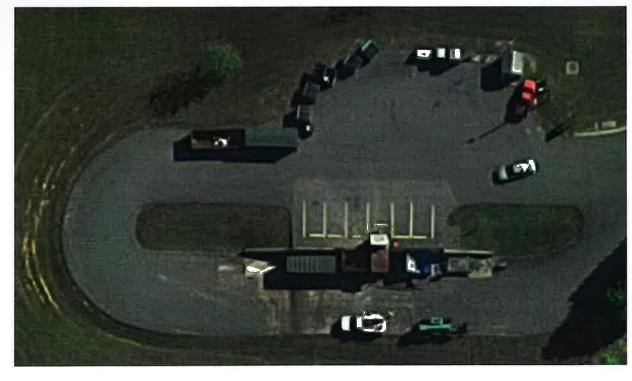


Example Layouts

High Quality Examples



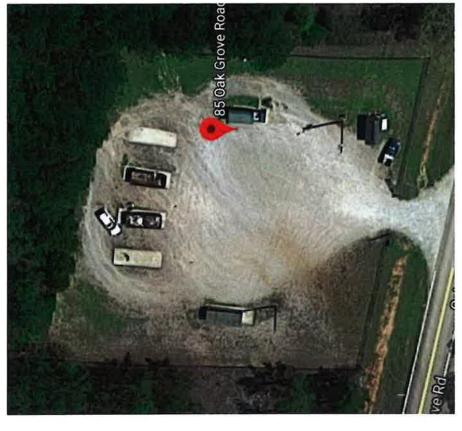
James City County



Spotsylvania County

Example Layouts

Lower Investment Examples





Dinwiddie County Example Layout





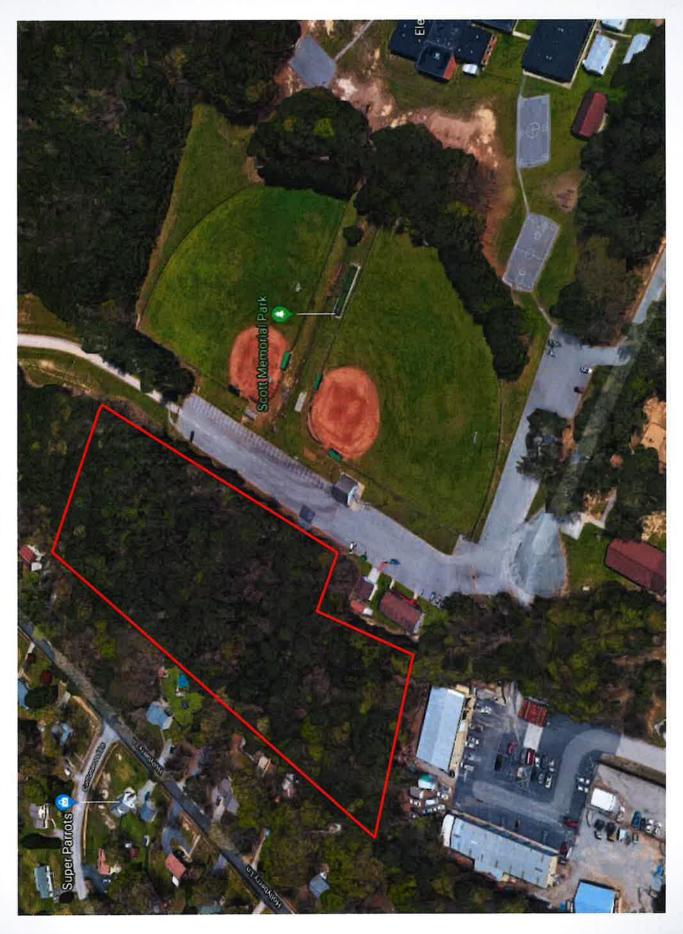
Possible County-Owned Sites

| Site | Surrounding Uses | Current | Average Traffic |
|---------------------------------|-----------------------------------|---------|------------------------------|
| Scott Park Site | Park, Government, Residential | B-1 | Courthouse Road (11,000) |
| Sawmill Rd. Water Tower Site | Residential Agricultural | R-A | Courthouse Road (11,000) |
| Middle Road Site | Residential Agricultural | R-A | Middle Road (5,900) |
| Burrowsville Library Site | Community Center, Agricultural | A-1 | James River Drive (3,000) |

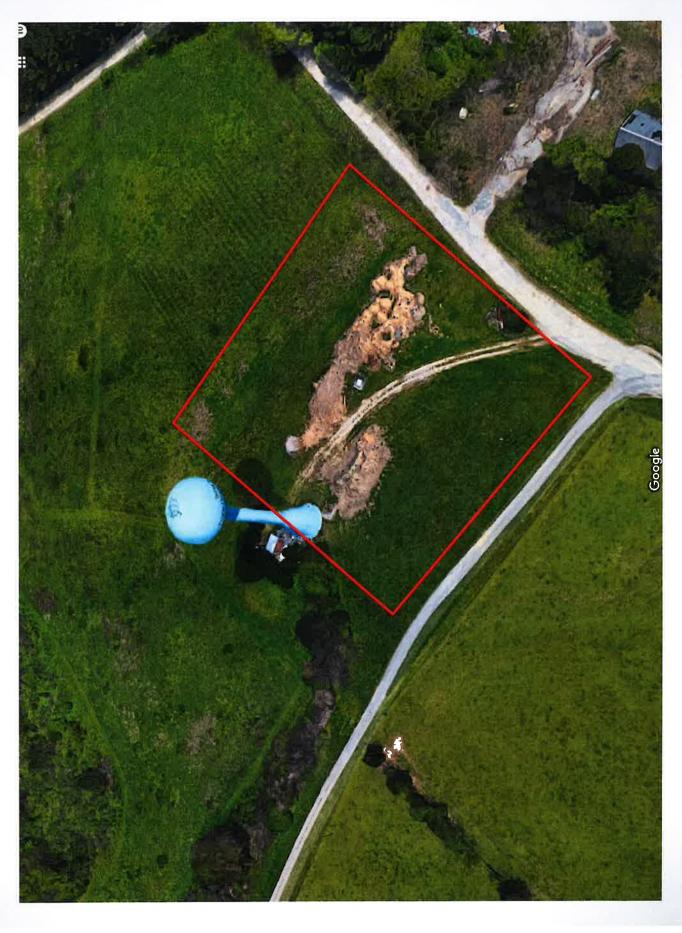
Site Selection Criteria

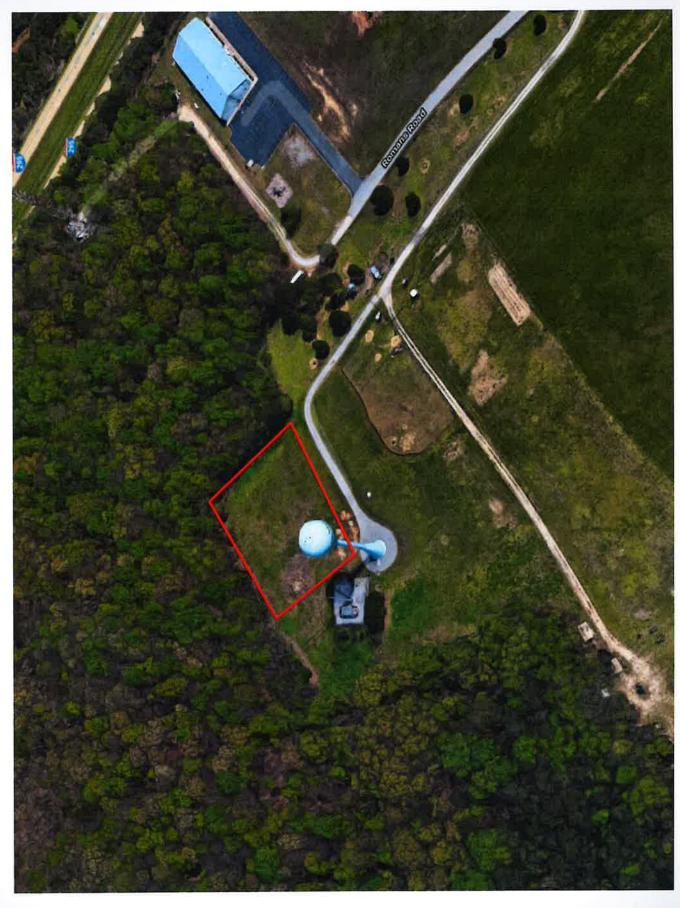
Criteria used for selection

- County-owned
- Supervisor District 2
- Sufficient size for approximately 1-acre site
- Accommodates possible site layouts
- Opportunity for reasonable visual buffer from neighboring uses
- Reasonably compatible with neighboring uses
- Reasonable access to a VDOT-maintained roadway
- Not located in wetlands
- Compatible with County plans
- Does not require purchase of neighboring property



Site 2: Sawmill Road Water Tower

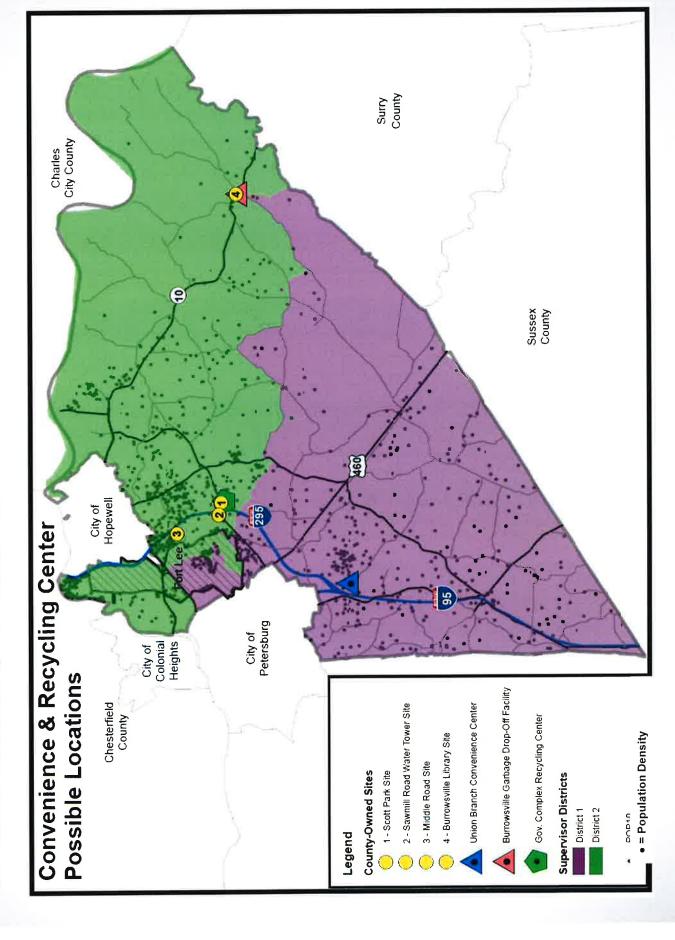




Site 4: Burrowsville Library Site



Possible Sites



Location

Proximity factors:

- Proximity to residents
- Proximity to existing sites
- Compatibility with Surrounding Uses

Cost factors:

- Access / Infrastructure
- Environmentals
- Facilities / Operation

Operation

Unmanned Option

- General Services maintenance
- Concerns: safety, access, fees

County Option

- Part-time employee(s) on-site
- General Services maintenance

Contract Option

(current contract expires 2022) vs. open Use existing operator CFS/Meridian bid for a new contractor?

Costs

Construction: \$150,000

Annual Operations:

Refuse/Recycle Service (after revenue): \$184,000* Operator Options:

Multiple PTEs: \$56,000

Unmanned: \$0 (not including maintenance)

CFS contract: \$0 (if company collects fees)

Annual Income (from Fees):

If County-operated: \$275,000**

If Private contract: \$0

NOTE: Estimates only. Recommend further research before budget decisions

* Inflation-adjusted 2009 expense paid to CVWMA

** Inflation-adjusted fees collected FY 08/09 (requires scale or fee program)

Recommendations

Continue? / Additional Staff Research?

2. Decide on Operation

- Who will operate it?
- How is it paid for?

3. Site Selection

- Decide on desired equipment, layout, etc. (can impact site selection)
- Is one of the County-owned sites suitable?
- If not, define a more specific search area

4. Budget

Capital Costs for New Convenience & Recycling Center

General Site Assumptions:

~1 acre site area; 200 x 200' level pad = 40,000 SF (4,444 SY); VDOT spec entrance road; Topography generally level, some trees

Base Model Convenience Center Capital Cost Estimates

| Component | mated Il Cost | Estimation details |
|--|------------------|--|
| Engineering costs (site plan, etc.) | \$ 13,000 | Assuming 7-10% of construction estimate, and a construction estimate of \$130,000 from Dinwiddie's experience. $10\% \times $130k = $13k$. |
| Entrance road | \$ 20,000 | Dinwiddie paid \$15-20k per entrance road to VDOT specs. Complete assumptions are \$40/SY for 6 " base stone, 3 " base asphalt, 2 " surface asphalt on a 200' x 24' (4,800 sf) entrance road. $40 \times 4800/9 = $21,400$ |
| Clearing and Grading | \$ 5,000 | Includes tree removal, levelling, etc. \$4-6k/acre |
| Concrete pads for building and equipment | \$ 4,000 | Dinwiddie \$2,000 for two 10'x50' pads for trash compactors, and the building pad. Add \$2k labor. |
| Surfacing (Crushed Rock) | \$ 15,000 | Dinwiddie paid \$10,000 for slag. Quote received by General Services: 4" base of 21a/b gravel = approx. 825 tons, or 6" would be approx. 1250 tons. Price is approx. \$18.50 per ton delivered. = \$15-23k |
| Stormwater Management | \$ 10,000 | Prices vary widely based on site features, and temporary vs. permanency for BMPs, and location inside or outside of the Chesapeake BPA. Base prices around \$2,500-\$10,000, or up to \$7,500 more if using asphalt surfacing. |
| Metal fence around site + Gate | \$ 16,000 | Dinwiddie fence was $$15-18k$. A 6' chain link fence is $$12-15/SF$ with installation. $15 \times 800' = $12,000$. Adding slats for screening and $$16k$ is not unreasonable. |
| Landscaping | \$ 3 | General Services and Parks & Recreation departments could potentially work together on this within existing department budgets. |
| Signage | \$ 800 | Assume about 10 aluminum signs \$50 a piece, plus a \$300 wood frame entrance sign. \$500 + \$300 = \$800 |
| Site Lighting & Electrical | \$ 5,400 | recent estimate for new light + pole + 1 year of service was about \$1,100 per light. Assume 4 lights, maybe just need 3. Add \$1k for electrical |
| 10'x10' building | \$ 4,000 | Dinwiddie building cost \$4k in materials for a 10x10 building, they built it themselves. Rowanty Technical Center or other community group could build the building. Union branch was 16x12 and has a bathroom. |
| Well + Pump | \$ 5,000 | Greatly depends on the depth to the source water. Dinwiddie paid \$5k. Engineering suggested assume \$8k if drinking water is needed. |
| Carport/pavilion | \$ 2,000 | Shelters hazardous waste, textile bins, etc. Approx. \$2,000 each based on recent County purchase (approx. 12' wide x 21' long x 6' tall). |
| Metal Roll-off containers for general refuse or recycling (x4) | \$ 16,000 | \$4,000 purchase or \$433/mo rental (national average) (internet). There are currently 10 such bins on Union Branch site. For new site, assume 1 each for metal, electronics, cardboard, tires = 4. |
| Enclosed and segmented roll-off containers (x2) | \$ 8,000 | Assume 2 containers, just like Union Branch. Cost about \$4,000 each. (internet). This is one option to handle multi-stream recycling. |
| Waste Oil Collection Tank | \$ | \$1,000 each (internet). A 120-gallon container is 33" D x 51" H. |
| Dumpster bins (x6) | \$ 6,000 | Dinwiddie has 6 for single-stream recycle drop-off. Approx \$1,000 each. (internet) |
| Compactors (rolloff) (x2) | \$ 20,000 | Internet research for used compactor showed about \$8,000. Each compactor seems to fit about 3x the capacity of a rolloff bin. Estimate here shows 2 plus delivery. |

Summary of Total Costs

| Base Model Convenience Center, with Equipment, on County Land | \$ 151,200 | Amount varies based on site and exact materials pricing. Includes equipment: 4 open top rolloff containers for large items, 6 dumpsters for single stream recycle, 2 compactors for trash, 1 carport for miscellaneous shelter. That's about \$51k of equipment, which helps dictate how the site is used. |
|--|---------------|---|
| Private Land Purchase (1-2 acres) | \$ 20,000 | Dinwiddie paid \$5-22k per acre depending on location. This is only necessary if County-owned sites are not suitable. |

| Dinwiddie Comparison | \$ 130,000 | Dinwiddie spent approximately \$130,000 per site, including operation equipment. However they buy in larger bulk for more sites and do a lot of the labor in-house. |
|----------------------|------------|---|
| Sussex Comparison | \$ 150,000 | Theirs ranged from \$120-150k and found additional site complications include securing electrical easements. |

FIRST RENEWAL OF OPERATIONS AGREEMENT FOR PRINCE GEORGE COUNTY SOLID WASTE CONVENIENCE CENTERS AT UNION BRANCH AND BURROWSVILLE

THIS FIRST RENEWAL OF OPERATIONS AGREEMENT is made this 10th day of January 2017, by and between COUNTY OF PRINCE GEORGE, VIRGINIA, a political subdivision of the Commonwealth of Virginia with its administrative headquarters at 6602 Courts Drive Prince George, Virginia ("County") and jointly, THE CFS GROUP, LLC, a Virginia limited liability company and THE CFS GROUP DISPOSAL AND RECYCLING SERVICES, LLC, a Virginia limited liability company, with their principal place of business at 307 Industrial Drive, Petersburg, Virginia, (collectively "CFS Group").

WITNESSETH:

WHEREAS, the County owns and operates solid waste convenience centers for household waste for the use of County citizens at 3100 Union Branch Road, Petersburg, Virginia 23805 ("Union Branch") and at the Burrowsville Community Center at 18701 James River Drive Disputana, Virginia 23842 ("Burrowsville"): and

WHEREAS, the County has previously contracted with the Central Virginia Waste Management Authority ("CVWMA") to transport, dispose of and recycle solid waste generated from the two convenience centers and with the CFS Group to operate the two convenience centers and to transport, dispose of and recycle household solid waste generated from the two convenience centers; and

WHEREAS, the County chooses to exercise its right to renew the existing OPERATIONS AGREEMENT FOR PRINCE GEORGE COUNTY SOLID WASTE CONVENIENCE CENTERS AT UNION BRANCH AND BURROWSVILLE, dated January 10, 2012, for an additional five-year term and the CFS Group agrees to accept such renewal with the price amendment set forth in ¶ 5.

NOW THEREFORE, for and in consideration of the mutual promises and covenants contained herein, the parties agree as follows:

1. Operation of Union Branch and Burrowsville Convenience Centers

(a) Beginning at 7:00 a.m. on January 10, 2017, the CFS Group will provide all services and personnel necessary to operate the Union Branch and Burrowsville Convenience Centers in a professional manner consistent with the highest standards in the industry in the manner described in its proposal and the terms of this Agreement. Where applicable, the provisions of Proposal A and Proposal B from the original 2011 bid proposal are incorporated within the terms of this Agreement.

- (b) Use of the convenience centers shall be limited to County residents disposing of household waste generated in Prince George County. The CFS Group shall verify Prince George residency at the Union Branch scale house and at Burrowsville. Current categories of generators of waste shall continue to be accepted. Any other commercial or industrial waste shall not be accepted and no "out-of-county" or "out-of-state" generated waste shall be accepted even if transferred to another Prince George County location first.
- (c) The CFS Group will maintain and repair the pavement and area surrounding the scale and disposal areas at its sole expense. During inclement weather conditions, the CFS Group will also maintain, clear and plow the access road to maintain safe access for "two-wheel" drive vehicles. The CFS Group shall remove all trees, branches or other debris that block the access road.
- (d) The County recognizes that CFS Group will decide who and how many employees will be on-site at each convenience center to adequately perform its responsibilities under this Agreement.

Transport, Disposal and Recycling of Solid Waste

On and after January 10, 2017, the CFS Group shall be responsible for the disposal, transport and recycling of all household solid waste generated at both convenience centers at its sole expense. All such disposal, transportation and recycling shall be performed in an environmentally sensitive manner consistent with the highest standards in the industry and consistent with all applicable federal, state and county laws and regulations. The CFS Group agrees to comply with minimum service standards as performed between 2012 and 2017.

3. State and Federal Permitting Requirements

The CFS Group will obtain or maintain all permits from Virginia DEQ or EPA relating to the convenience centers and will re-apply or pay any costs associated with such permits. The CFS Group agrees to use the scale at Union Branch in accordance with all State requirements. The CFS Group shall be responsible for any costs associated with changes necessary for the appropriate use of the Union Branch scales. If any regulatory agency closes or suspends operation of either Union Branch or Burrowsville, the CFS Group will promptly correct any deficiencies leading to such closure at its sole expense and re-open as quickly as possible.

Compensation to the CFS Group

In consideration of performing all the services provided for by this Agreement,

the CFS Group shall receive all revenue derived at the Union Branch and Burrowsville Convenience Centers. The CFS Group agrees to charge a maximum of \$.06 per pound as weighed at the scale house with a minimum of \$3.00 per vehicle or \$1.00 per bag at Union Branch and \$1.00 per bag at Burrowsville. Such maximum rates or minimum charges shall not be increased during the five (5) year term of this Renewal Agreement. The CFS Group shall prepare and submit to the County a monthly operations and financial report no later than the tenth day of each month showing tonnage received, revenue and volume of each recyclable processed at each location. The County shall have access to all records relating to the two convenience centers at reasonable times and CFS Group will maintain accounting records in accordance with generally-accepted accounting practices.

5. Term

The Term of this Agreement shall be for five (5) years commencing on the date set forth above, unless earlier terminated. This agreement may be extended by the County for one additional five-year term by giving written notice at least 90 days prior to the expiration date of this Agreement or upon consent of the CFS Group.

Operating Schedule

The CFS Group shall provide all services and personnel for both convenience centers with the following normal operating hours:

Monday through Sunday: 7:00 a.m. – 6:00 p.m. (daylight savings time)

8:00 a.m. - 5:00 p.m. (standard time)

Both convenience centers will be closed for the following holidays:

New Year's Day
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
12:00 noon on Christmas Eve
Christmas Day
12:00 noon New Year's Eve

Any changes in hours or holidays must be approved in advance by the County. Any closing for any weather event must be approved in advance by the County.

The CFS Group recognizes that interruptions of service for any reason for any length of time are unacceptable and warrants that each convenience center will always be adequately "manned" even if requiring payment of overtime or use of contract labor. If there is any loss of service for longer than two hours, the

County may enter the convenience center and operate the facility provided, however, that the CFS Group shall reimburse the County for costs associated with such operation.

Neither party to this Agreement shall be responsible for any delays, losses, damages or failures of performances of any of its obligations under this Agreement where such delays, losses, damages or failures are due to causes beyond the control of either party related to "force majeure" events.

7. Situs for Business License Tax

CFS Group agrees that both Union Branch Road and Burrowsville operations are definite places of business in Prince George County for the purpose of assessing business license taxes in Prince George County.

8. Insurance

The CFS Group shall provide the County with a certificate of insurance certifying that the following insurance coverages are in full force and effect during the term of this Agreement with the County:

Workers Compensation

Coverage A Statutory Coverage B \$2,000,000

Automobile Liability to include owned and non-owned vehicles.

Bodily Injury

\$2,000,000 Each Person

\$2,000,000 per Incident

Property Damage

\$2,000,000 per Incident

Comprehensive General Liability

Bodily Injury

\$2,000,000 Each Occurrence

\$2,000,000 Aggregate

Property Damage

\$2,000,000 Each Occurrence

\$2,000,000 Aggregate

Environmental hazards and \$1,000,000/Single

accidental clean ups

\$5,000,000 Aggregate

The policy shall name the County and its employees and agents as additional coinsureds and shall provide the County thirty (30) days written notice of termination, cancellation or material change in coverage.

9. <u>Termination</u>

This Agreement may also be terminated with (30) day's prior written notice if there is change in law that imposes costs, restrictions or other burdens, which render continued performance of this Agreement economically impracticable as reasonably determined by the County or by the County upon breach of any of the covenants contained herein by the CFS Group and failure to correct such breach within a reasonable time set by the County.

Miscellaneous

- (a) <u>Independent Contractor</u>. The CFS Group is an independent contractor in performing the services hereunder and shall not be deemed an employee, agent or representative of the County.
- (b) Notices. Any notice required under this Agreement shall be in writing and addressed to the party at the addresses appearing at the beginning of this Agreement and shall be effective upon receipt.
- (c) Applicable Law. This Agreement shall be governed by the laws of the State of Virginia and any disputes resulting in a lawsuit must be resolved in the Circuit Court of Prince George County.
- (d) <u>Entire Agreement</u>. This Agreement constitutes the entire agreement and understanding between the parties. This Agreement may be modified or amended by a written instrument executed by both parties hereto.
- (e) Assignment. This Agreement may not be assigned in whole or in part by one party without prior written consent of the other party. If the Agreement is assigned as provided above, it shall be binding upon and inure to the benefit of the successors and assigns of the parties. Any sale or transfer of a majority interest in the CFS Group shall be considered an assignment.
- (f) Waivers. Neither the failure nor any delay on the part of either party to exercise any right, remedy or privilege under this Agreement shall operate as a waiver nor shall any single or partial exercise of any right, remedy or privilege preclude any other or further exercise of the same or of any other right, remedy, power or privilege with respect to any other occurrence.

IN WITNESS WHEREOF, the County and the CFS Group have each executed this Contract by officials authorized to legally bind each party.

| | PRINCE GEORGE COUNTY, VIRGINIA a political |
|--|--|
| | subdivision of the Commonwealth of Virginia |
| | |
| | By Tole Letter |
| | |
| \$ | County Haministrator |
| APPROVED AS TO FORM: | Title |
| | |
| Sund. Misax | 2 |
| Steven L. Micas, County Attorney | |
| | 9 |
| COMMONWEALTH OF VIRGINIA, | |
| CHEY/COUNTY OF Prince Ge | to-wit: |
| O The foregoing instrument was | acknowledged before me this 1 day of January, 2017, by |
| revey c. Asheroft, County | Administrator, on behalf of PRINCE GEORGE COUNTY, |
| VIRGINIA. My commission expires: | |
| Registration Number: 1(392 | 7 |
| (3) | 1 CONCENT MAYOR |
| | Notary Public |
| | THE CFS GROUP, LLC, |
| | a Virginia limited liability company |
| | William Control of the Control of th |
| amillion. | THE CFS GROUP DISPOSAL AND RECYCLING SERVICES, LLC, a Virginia limited liability company |
| TAYLOR MALL | DERVICES, EDC, a virginia inflict hability company |
| OM RATH | |
| MAN CONTROL OF THE PROPERTY OF | By they on. |
| | |
| OTARY WITH | Personal & CEO |
| NOTARY INTERIOR | Titlé ⁻ |
| COMNMONWEALTH OF VIRGINIA, | |
| CITY/COUNTY OF Peterslun | to-wit: |
| | acknowledged before me this day of January, 2017, by |
| - Dourd Sugary. | President, CEO on behalf of THE CFS GROUP, LLC, |
| L/ | |

a Virginia limited liability company; and THE CFS GROUP DISPOSAL AND RECYCLING SERVICES, LLC, a Virginia limited liability company.

My commission expires: 8-31-19

Registration Number: 7389191

Catty Diane Taylor
Notary Public



SUBJECT: Reneward Stole Stole String String Stole String St

and The CFS Group, LLC. SUBJECT: Renewal of Operations Agreement for Prince George County Solid Waste Convenience Centers

compliance requirements that ensure the safe and environmentally sound operating processes at the necessitated by increased disposal costs, employee health insurance costs, and regulatory and This new proposed rate of \$.06 is equivalent to what the County charged the citizens in 2011 and is above. CFS would like to adjust the rate in the second five term from \$.04 per pound to \$.06 per pound. The CFS Group, LLC is interested in exercising the first 5 year renewal option of the service contract

Please feel free to call should you have any questions.

Respectfully,

Chlef Operating Officer TIM Webb

Al-11-1 Sod of the boundary

Convenience & Recycling Center

County-Owned Sites

for

Recycling Center Convenience &

As discussed December 11, 2018

Site Selection Criteria

Criteria used for search and elimination:

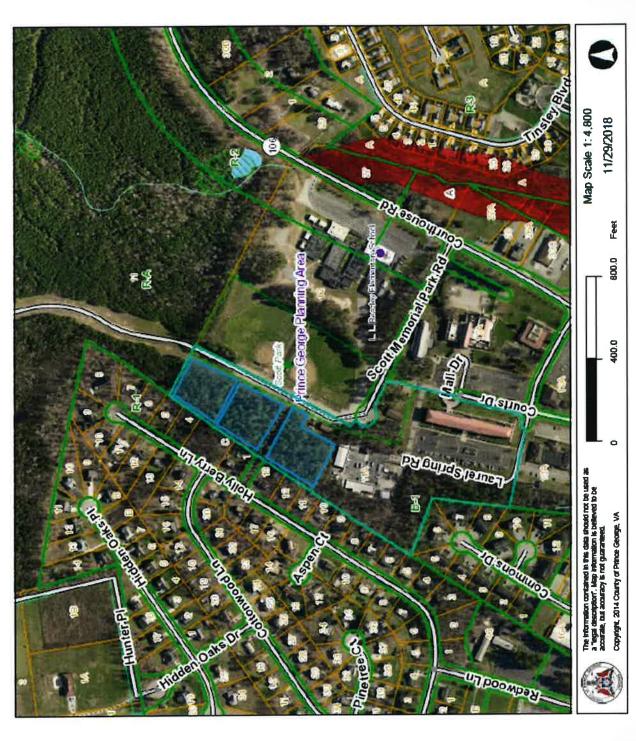
- County-owned
- Supervisor District 2
- Sufficient size for approximately 1-acre site
- Accommodates possible site layouts
- Opportunity for reasonable visual buffer from neighboring uses
- Reasonably compatible with neighboring uses
- Reasonable access to a VDOT-maintained roadway
- Not located in wetlands
- Compatible with County plans
- Does not require purchase of neighboring property

Possible Sites

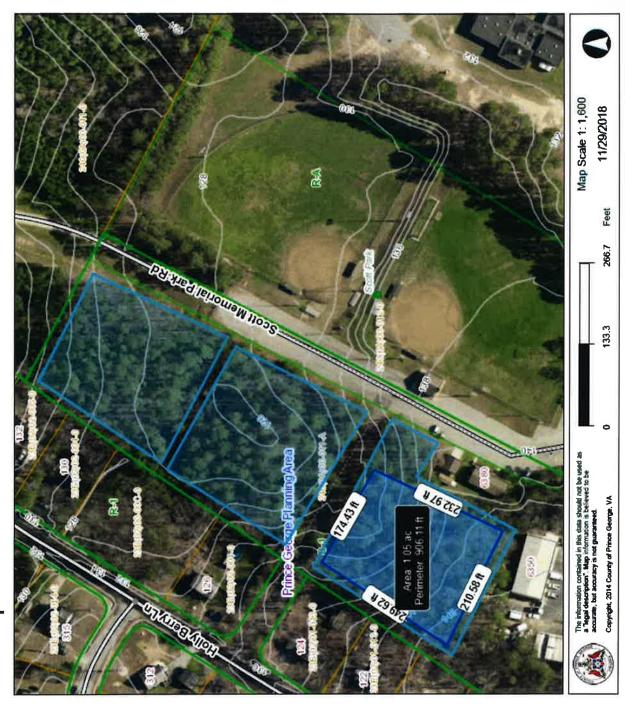
After Eliminations

| adi Cou | (incl. | int, | |
|------------|---------|---|--|
| 86 | | | Park, Government, Residential Residential Agricultural |
| | .66 | | Residential Agricultural |
| 22 | | | |
| ,16 | 111,183 | Residential Agricultural | |
| 2,888 | 2, | Community Center, 2, Agricultural | |

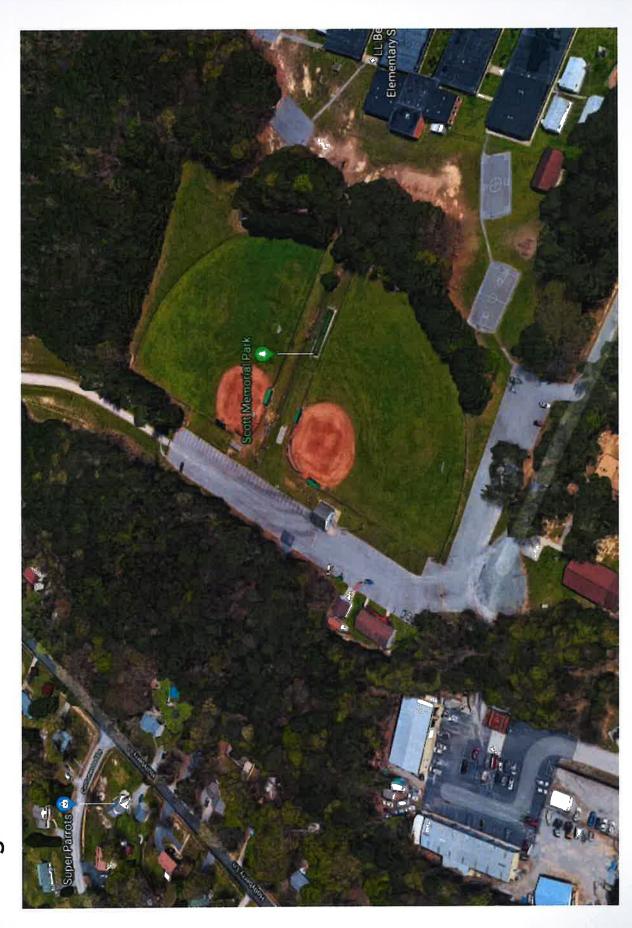
Area View



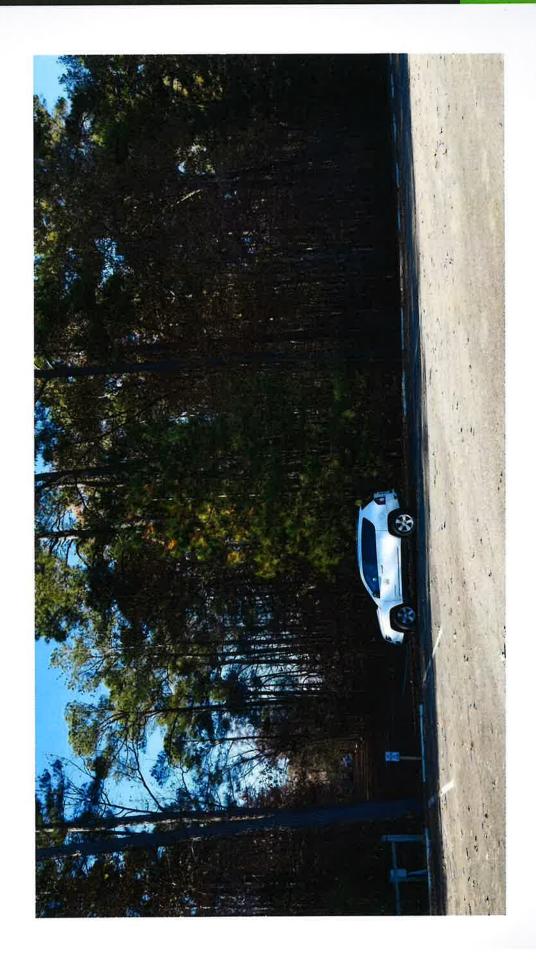
1-Acre Example



Angle View



Photo



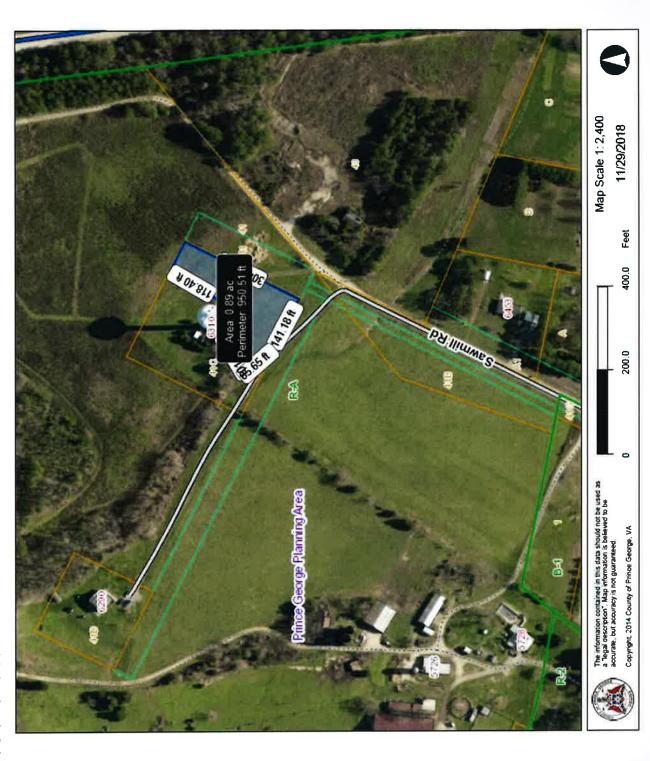
Site 1: Scott Park Site

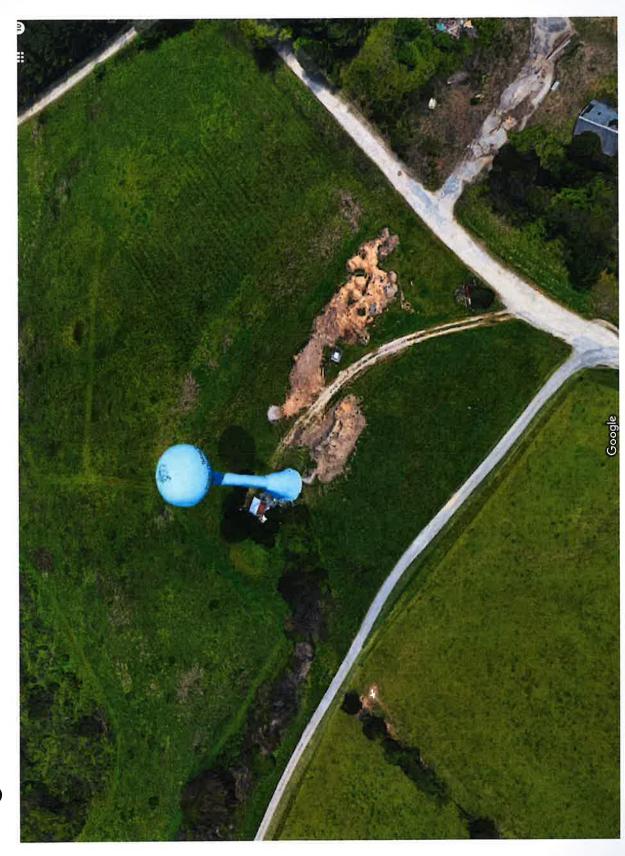
- Opportunity to integrate with Scott Park
 - Flexibility of exact location on County Master Plan and parking
- Opportunity to address existing site drainage property in vicinity with a BMP feature
- Integrates with existing Government uses
- Existing trees for screening/buffering
- Entrance: Access from cut-through road and parking lot (County-controlled)
- Good proximity to General Services

Area View

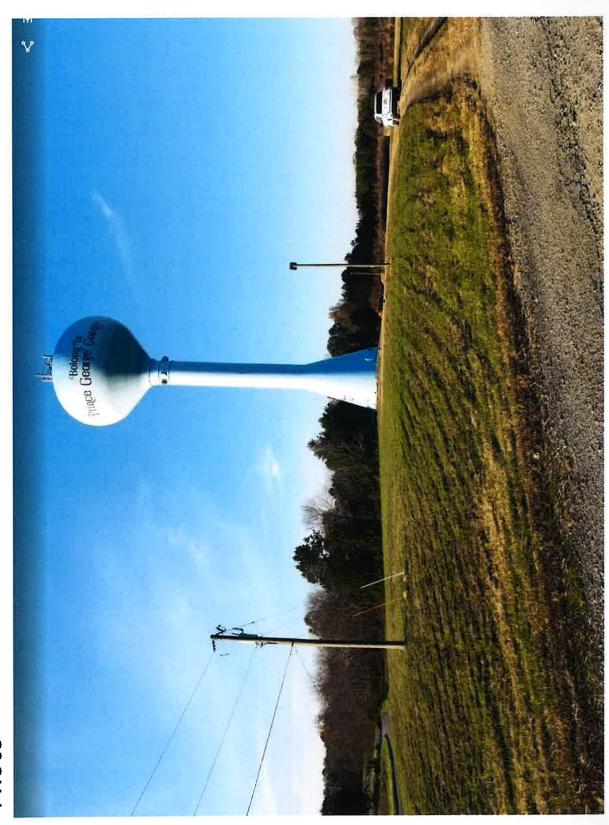


Close View





Photo

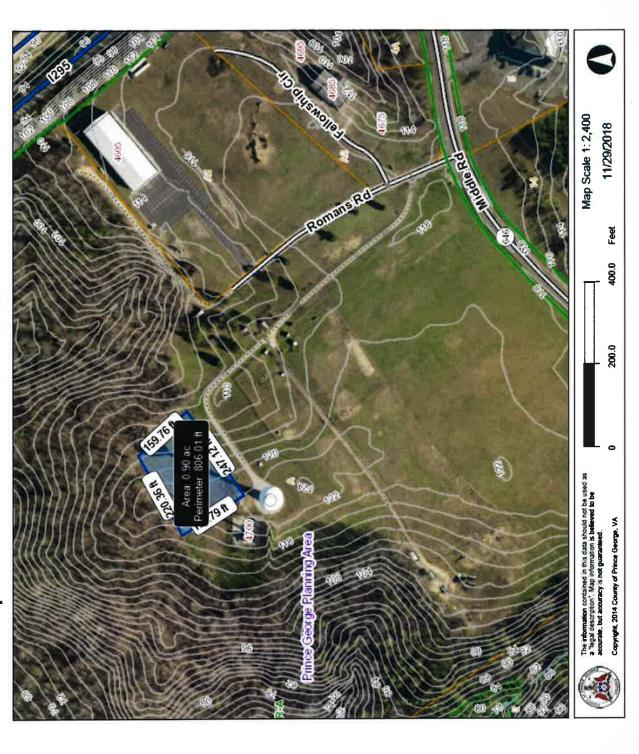


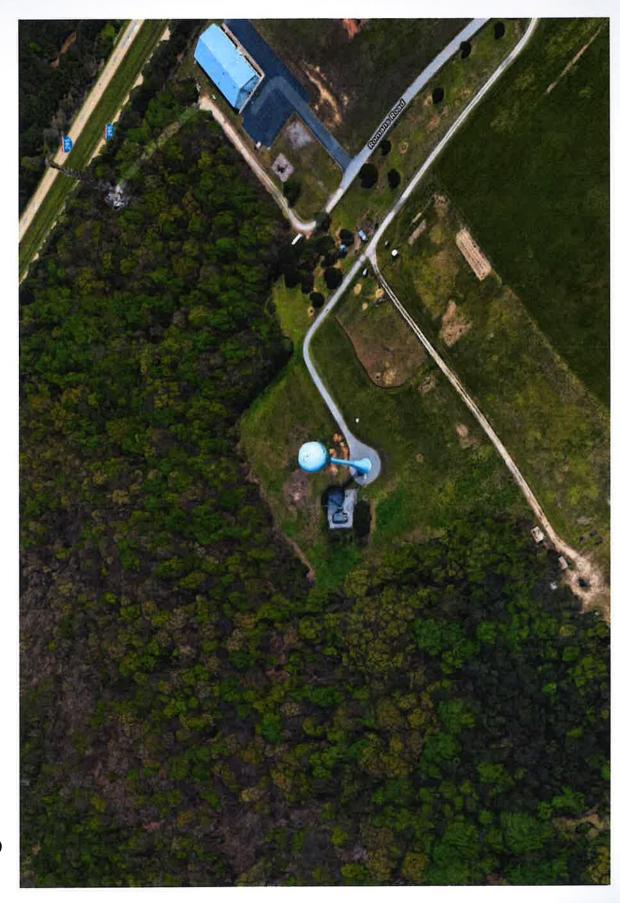
- Must work around the water tower
- Central location in County
- No existing visual screening
- from Courthouse Rd.) Would require property (Approximately 1,000 feet Entrance: Sawmill Road is private permanent access

Area View

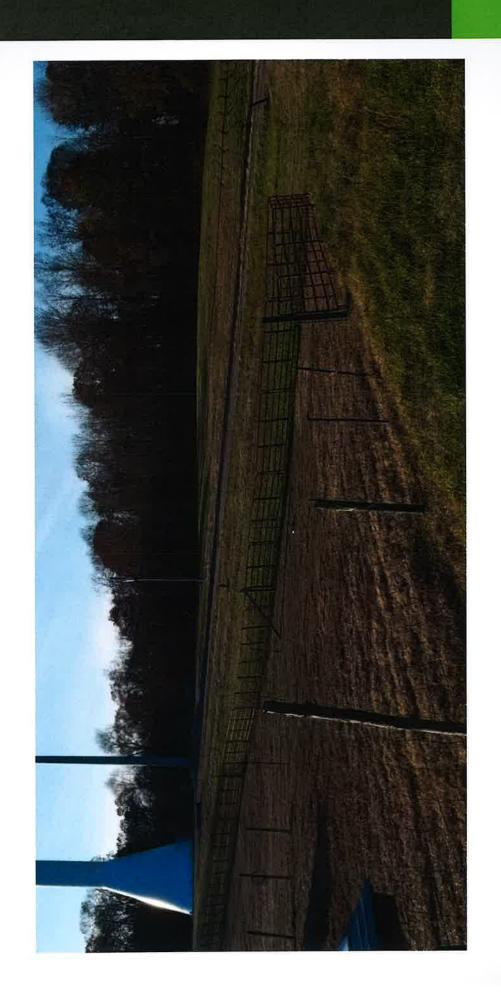


1-Acre Example



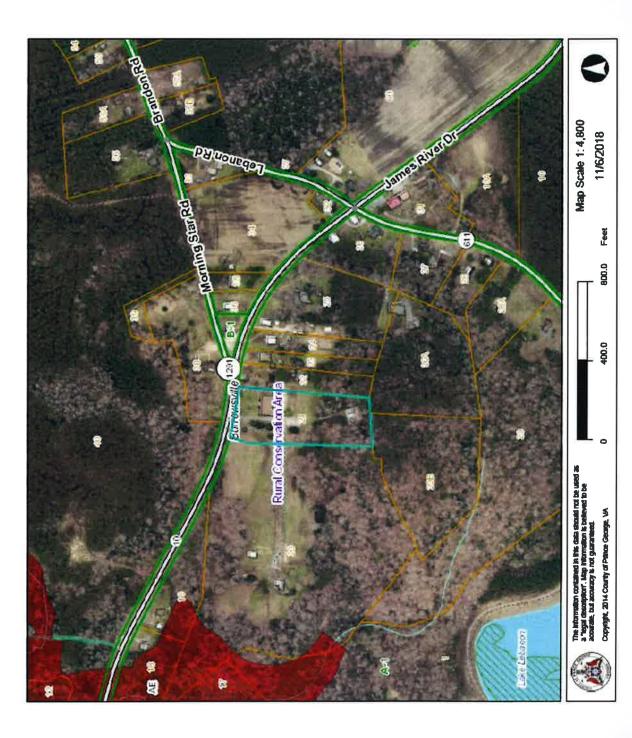


Photo



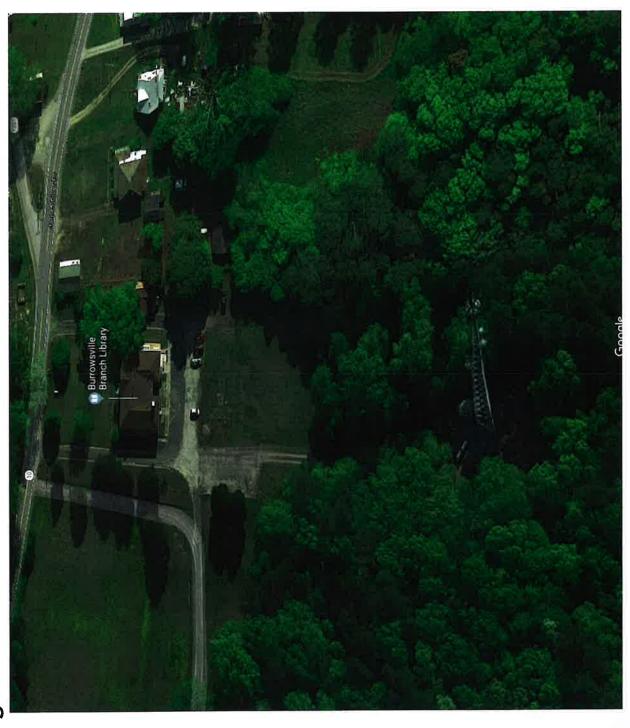
- Already a drop-off site for biodegradable waste after hurricanes
- Flexible layout options on a large parcel
- Does not impact future school use
- No existing visual screening
- Separated by distance from surrounding uses
- Entrance: County-owned, approximately 870 feet from Middle Rd.

Area View

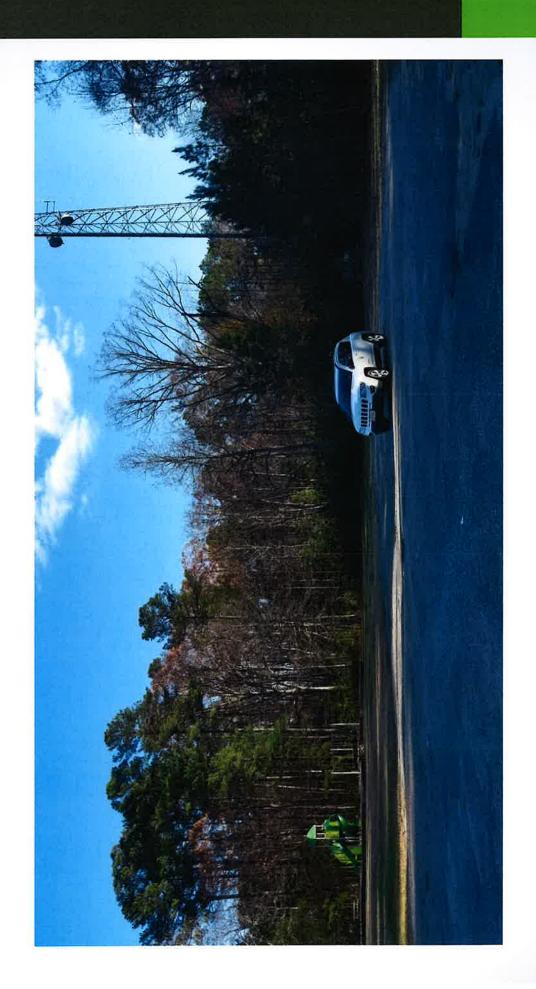


1-Acre Example





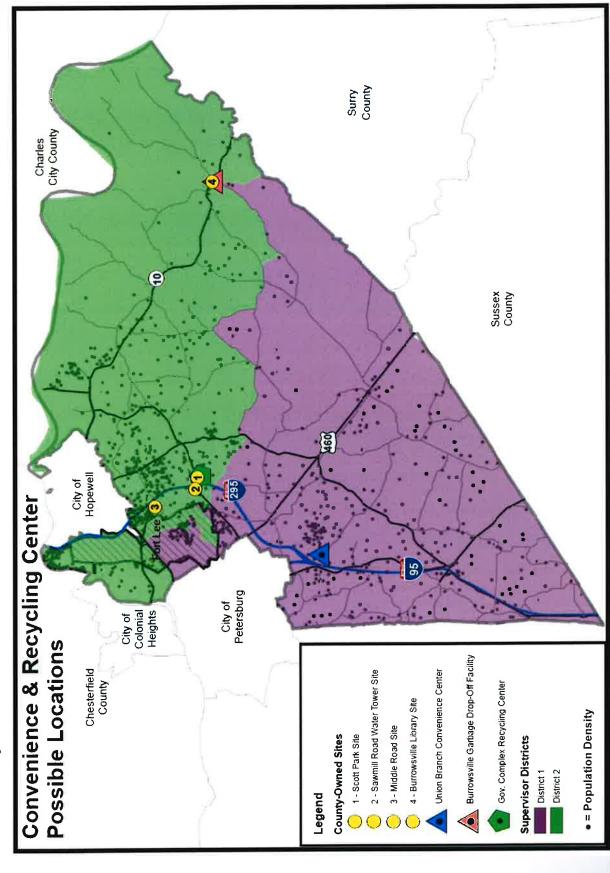
Photo



- Existing garbage drop-off location (Saturday-only)
- Evaluate compatibility with community center/library, cell tower, playground
- May require removal of some trees and visual screening
- parking lot entrances from James River Dr. Entrance: County-owned. Two existing

Possible Sites

With Supervisor Districts



The CFS Group Disposal & Recycling Services, LLC Prince George County Annual Report 01/01/2017 - 12/31/2017

Convience Center: Union Branch Road

| | Tons | | | MSW |
|-----------------|----------|-----------|-----------------------|---------------|
| Waste received: | 1743.04 | Ī. | Union Branch | 1,743.04 tons |
| | | | Burrowsvillie | 94.35 tons |
| Recycling: | | | Total | 1,837.39 tons |
| Metal | 68.22 | tons | | • |
| Comingle | 542.10 | tons | | |
| Electronics | 11.80 | tons | | |
| Tires | 8.90 | tons | | |
| Oil | 1,880.00 | (gallons) | Union Branch | 631.02 tons |
| Batteries | 110.00 | pcs | Prince George | 210.42 tons |
| Cloth/Textiles | 625.00 | pounds | Total Recycled | 841.44 tons |

Prince George Government Center

Recycling:

Comingle

210.42 tons

Minutes from previous BOS Work Sessions relating to Convenience Center

October 9, 2018

Mr. Tim Graves of the Planning Department presented to the Board the consideration of an additional convenience and recycling center in the County. The Board has received citizen requests for a closer location for garbage/recycle drop off in District Two. Mr. Graves went over several key factors in finding a convenience center location, including service area, capital costs, operation, and land use compatibility. Mr. Brown recommended that this matter be revisited during the next budget process. No action was taken at this time.

December 11, 2018

Mr. Tim Graves of the Planning Department presented to the Board possible County-owned locations in District Two for an additional convenience and recycling center. Possible sites include Scott Park, Water Tower Site on Sawmill Road, Middle Road, and the Burrowsville Library Site. The next steps in this project will be to decide what facilities will be on the site, how to maintain and operate the site, and an evaluation of the four possible sites. There was some discussion that raised questions regarding safety concerns. The Board is not comfortable with these sites being unmanned and would like to look into this further.