



# FAIRFAX COUNTY PARK AUTHORITY



## M E M O R A N D U M

**TO:** Chairman and Members  
Park Authority Board

**VIA:** Kirk W. Kincannon, Director

**FROM:** Todd Johnson, Director  
Park Operations Division

**DATE:** March 19, 2015

### *Agenda*

**Park Operations Committee  
Wednesday, March 25, 2015 – 5 p.m.**

**Boardroom – Herrity Building  
Chairman: Edward R. Batten, Sr.  
Vice Chair: Linwood Gorham**

**Members: Michael Thompson, Jr., Frank S. Vajda, Faisal Khan, Kala Leggett Quintana**

1. Mastenbrook Volunteer Matching Fund Grant Request – Surrey Square Park Playground Equipment – Action\*
2. Infrastructure Overview – Outdoor Lighting (with presentation) – Information\*

\*Enclosures



Board Agenda Item  
April 8, 2015

## **ACTION**

### Surrey Square Park – Mastenbrook Volunteer Matching Fund Grant Program Request – Old Forge – Surrey Square Civic Association (Braddock District)

#### ISSUE:

Approval of a Mastenbrook Volunteer Matching Fund Grant Program request from the Old Forge – Surrey Square Civic Association in the amount of \$20,000 to replace the playground in Surrey Square Park.

#### RECOMMENDATION:

The Park Authority Director recommends approval of a Mastenbrook Volunteer Matching Fund Grant Program request from the Old Forge – Surrey Square Civic Association in the amount of \$20,000 to replace the playground in Surrey Square Park.

#### TIMING:

Board action is requested on April 8, 2015, in order to award the grant.

#### BACKGROUND:

Surrey Square Park has two very old playgrounds located on different sections of parkland. Both playgrounds are listed high on the list of playgrounds that need to be replaced due to the lack of compliance with Consumer Product Safety Commission (CPSC) guidelines for playgrounds. One of the playgrounds is located in a resource protection area (RPA) and is not very accessible. Several months ago, the community which was represented by the Olde Forge – Surrey Square Civic Association (OFSSCA), approached the Park Authority about partnering to replace the playgrounds. As a result of several meetings with the OFSSCA, it was agreed by all parties that the poorly located playground would be eliminated, and that the OFSSCA would raise funds to help replace the playground at the other existing location (Attachment 1) with the hope that staff could install as large a playground as possible.

OFSSCA is requesting \$20,000 from the Mastenbrook Volunteer Matching Fund Grants Program (Attachment 2) to help fund the replacement of the playground. If approved, the \$20,000 from the Mastenbrook Volunteer Matching Fund Grants Program, along with a \$20,249 contribution from OFSSCA, and \$97,051 in Proffer and Playground Equipment Upgrade funds (Bond funds), will provide the funds sufficient to complete the

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project. The total project budget is \$137,300. The Board voted on March 25, 2015, to approve the scope for the design and completion of this project.

Even though it was not needed as part of the match to receive \$20,000 in grant monies, the OFSSCA also contributed over a hundred hours of in-kind labor raising funds to donate towards the playground project as well as completing a restoration project at the site of the playground being eliminated. The restoration project included the removal of invasives and planting native species trees. The value of these efforts is worth over \$4,000.

The Park Authority Board Member for the Braddock District supports approval of the Grant request. Staff from the Planning and Development Division will manage the project which will be completed by August of 2015. Matching funds are available to complete this project.

FISCAL IMPACT:

The estimated total project cost is \$137,300. Funds are currently available in the amount of \$20,000 in WBS PR-000016, Park Development, in Fund 300-C30400 (370), Park Authority Bond Construction; and \$10,126 in PR-000058-085, Park Proffers; and \$86,925 in PR-000091, Existing Facility/Renovations, Playground Equipment Upgrades; and \$20,249 from OFSSCA, resulting in the total available funding of \$137,300.

Contingent on the approval of this project, the remaining balance in the Mastenbrook Volunteer Matching Fund Grant Program will be \$106,210.57.

ENCLOSED DOCUMENTS:

Attachment 1: Aerial Showing Grant Project Area at Surrey Square Park

Attachment 2: Mastenbrook Volunteer Matching Fund Grant Program Request – Olde Forge – Surrey Square Civic Association

STAFF:

Kirk W. Kincannon, Director

Sara Baldwin, Deputy Director/COO

Aimee L. Vosper, Deputy Director/CBD

Todd Johnson, Director, Park Operations Division

David Bowden, Director, Planning and Development Division

Dan Sutherland, Manager, Park Management Branch, Park Operations Division

Janet Burns, Senior Fiscal Manager

Michael P. Baird, Manager, Capital and Fiscal Services

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Surrey Square Park

Project Area

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## Mastenbrook Volunteer Matching Fund Grants Program Application Form

### 1. Grantee Information

Organization: Olde Forge/Surrey Square Civic Association  
 Contact Person: Ms. Joanne Elder, Chair, Parks Replacement Committee  
 Mailing Address: 9537 Helenwood Drive, Fairfax, Virginia 22032  
 Phone: 703 220 3758  
 Fax: Not Applicable

### 2. Project

Title: Park and Playground Facilities Improvement Project: A New Playground and a New Restoration Site

### 3. Funding Requested

Amount: \$20,000 (is already exceeded by matching dollars plus in-kind labor attained by applicant)

### 4. Project Description

With great support from the Braddock District Supervisor's Office and the Fairfax County Park Authority (FCPA), residents and Civic Association board members from the Olde Forge/Surrey Square (OF/SS) neighborhood have been working for over a year to bring a new playground to our community. Currently, the neighborhood has two parks (Surrey Square 1 and Surrey Square 2) with 50 year old playgrounds whose equipment is no longer considered safe.

With many young families and many grandparents with visiting grandchildren living in the neighborhood, the parks and playgrounds have been become an area of focus. The necessity to provide a safe space to play is so important that the neighborhood has agreed to fundraise, volunteer in-kind service donations, and revert one of the playgrounds into a restoration site in exchange for a playground with modern play equipment that meets today's safety standards.

In Surrey Square 1, the FCPA is going to remove the existing playground equipment and build a new \$133,000 playground in its place (see Attachment 1) by Spring/Summer 2015. In addition, the large tree that is growing over the sewer line will be removed, more sufficient fencing will be installed, and more benches will be added to the park space. Because the park is located so close to the street and to Braddock Road, a more secure fence is vital to the plan.

In Surrey Square 2, the FCPA is going to remove the existing playground equipment other than the swing set and the basketball court. The OF/SS Invasive Species Management team, with direction from the FCPA Invasive Species Management Program, will help provide the labor needed to remove invasive species from the park and replant native species. Because this park is located in a Resource Protection Area (RPA) and there are limited funds, this plan was agreed upon by the neighborhood and the FCPA as the best solution for the space.

## **5. Public Benefits**

Located within the neighborhood the new playground/park is in walking distance to all of our 351 houses (see Attachment 2). This is especially pertinent for OF/SS as we go through a revitalization that has seen more and more young families move into the neighborhood. The new playground/park will be much safer in terms of equipment and fencing and will alleviate the need for parents to be on the road to other facilities because the neighborhood doesn't have one that is usable. In addition, this playground/park will be a public facility open to all so that parents from contiguous locations would be expected to benefit by using the facility in proportion to their own individual family needs. With respect to the other presently existing park, returning it to a natural state has tremendous ecological benefits for the public. The present location of this park/playground – in a floodplain that filters water draining into Long Branch Stream - makes its return to a more natural state highly desirable.

## **6. Sponsor Commitment**

As stated in Item 4 above, this project has been underway for over a year and had its genesis in the concerns of young families, new to the neighborhood, who formed a Civic Association sponsored Committee intent on improving outdated and unsafe neighborhood parks. The Committee brought our problem to the Braddock District Supervisor who arranged for contacts and discussions with the FCPA. The project has since become a co-operative joint effort combining the Braddock District Supervisor's office, the FCPA, the FCPF, many local business donators and the neighborhood. Through a series of meetings during which all parties contributed we all agreed that new park/playground facilities within the neighborhood were overdue and examined sites and actions that would be necessary to make new park/playground facilities happen. For our part the neighborhood made two major commitments: (1) we committed to allowing one of our present parks to revert to nature and to work with the FCPA to provide labor to remove invasive species and plant native species, and (2) we committed to raising over \$20,000 prior to March 2015 to match a potential Mastenbrook Grant and thereby provide the funding necessary to enable the FCPA to move ahead with the project. The first of those commitments is underway and will culminate in 2015 as weather allows. The second of those commitments (and the one most germane to this application) has already been accomplished. We have raised over \$20,000 in contributions (in-kind and cash) as of the date of this submission. Over \$19,000 in cash/checks are already deposited or on their way to a Fairfax County Park Foundation account earmarked for this project. We anticipate at least an additional \$500 in late arriving pledges. In addition a large amount of "in-kind" labor is pledged. Well more than the amount necessary to match our grant request has already been delivered (see spreadsheet at attachment 3). We've managed to exceed our goal through the hard work of our volunteers and support from our neighbors. We visited dozens of local businesses, went door-to-door in our own neighborhood asking for contributions, hosted fundraisers at

restaurants, ran a house tour of recently remodeled neighborhood homes, put on a large neighborhood rummage sale, and threw a huge neighborhood fair in our pool parking lot with booths from assorted local businesses, raffles, games, and food and drinks, all in a concerted effort to reach the \$20,000 needed to apply for this grant so we can get our new playground. As an extra incentive for larger donations, we are including a plaque in Surrey Square 1 for sponsors who donate at Silver (\$250), Gold (\$500) and Platinum (\$1000) levels. Sponsors who donate \$500 or more also receive a discount towards our pool membership. This has truly been a cohesive neighborhood effort led by volunteers who have spent hours upon hours of their own time to make sure the children and grandchildren of our neighborhood can safely play for generations to come. You can read more about some of efforts on our neighborhood website: <http://www.forgesquare.com/playground>.

## **7. Proposed Budget**

The budget for this project has been developed by and is held by the FCPA. Because of the nature of the project and the necessity to have the actual work done by insured and certified companies with whom the County has contracts none of the funds will be expended by the grant applicant. Contractor proposals for the necessary playground equipment are already in the hands of FCPA. Monies we have raised have been turned over to the FCPF and separated from other monies in their care. Our contributions will be turned over to FCPA from FCPF and specifically earmarked for our project. From that point all expenditures and tracking will be accomplished by FCPA in accordance with plans and requirements FCPA has developed with our neighborhood input.

**Encl to OF/SS Submission Letter dated 3/4/2015  
3 attachments**

OLDE FORGE/SURREY SQUARE CIVIC ASSOCIATION  
9537 Helenwood Drive  
Fairfax, Virginia 22032

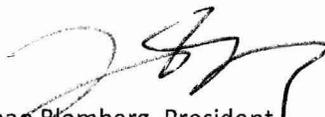
March 3, 2015

Fairfax County Park Authority  
12055 Government Center Parkway  
Suite 927  
Fairfax, Virginia 22035-1118  
ATTN: Mr. John Sutherland

Subject: Mastenbrook Grant Application

Dear Mr. Sutherland,

The Olde Forge/Surrey Square Civic Association (OF/SS) is happy to forward the enclosed Application for consideration by your office and the Park Authority Board.

  
Joan Blomberg, President  
Olde Forge/Surrey Square Civic Association

  
Joanne K Elder, Chair  
Park Replacement Committee

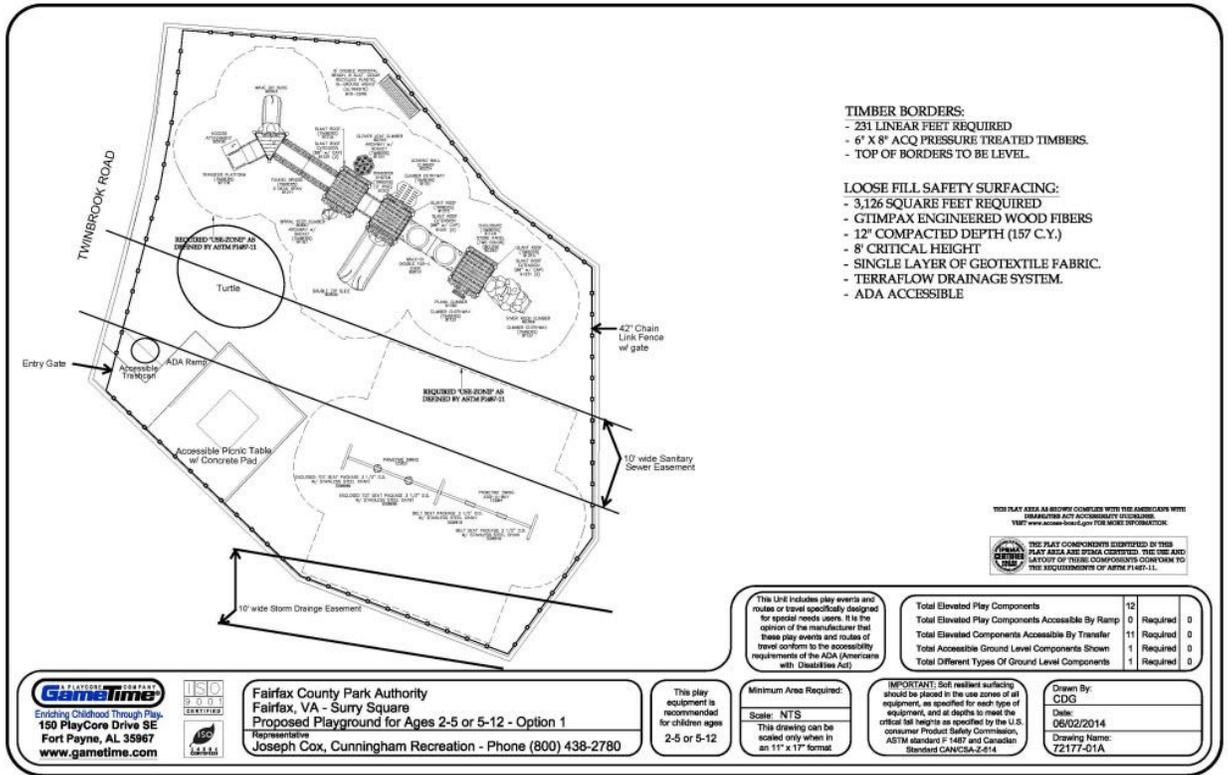
Encl: Grant Application w/3 Attachments

Cc: Mr. Anthony Vellucci, Braddock District Representative, FCPA  
Mr. Lindsey Smith, Braddock District Supervisor's Office

## Attachment 1-1

### Planned New Park/Playground Equipment





## Attachment 1-2

### Current Pictures of Surrey Square 1



**Attachment 1-3**

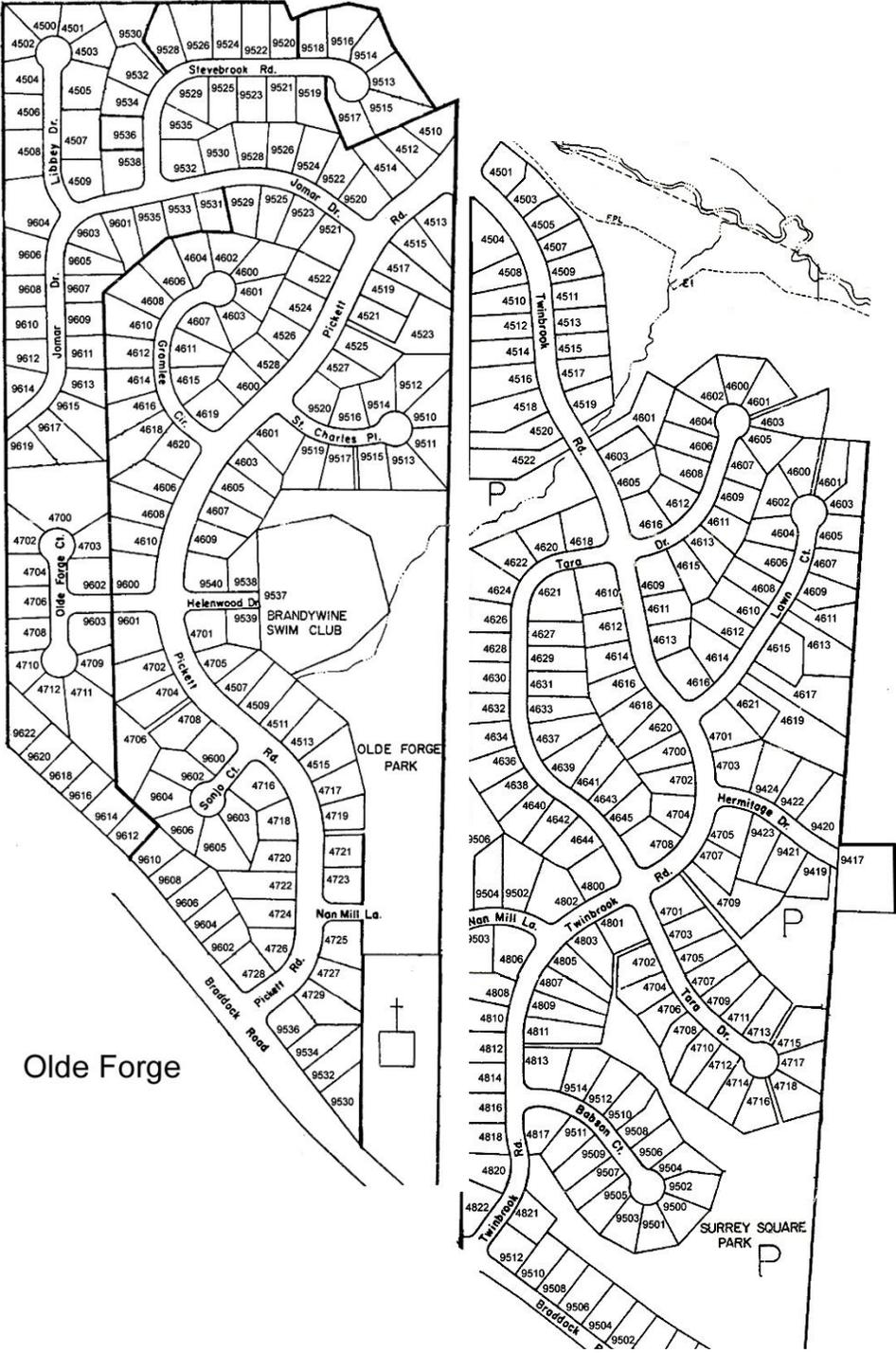
**Pictures of Current Outdated Equipment in Surrey Square 1**

**Attachment 1-4**

**Pictures of Surrey Square 2 Before FCPA Removed the Equipment**



Attachment 2



**LABOR**

<b>Playground Project Activity</b>	<b>Hours</b>	<b>Rate</b>	<b>Total Value</b>	<b>Nature of Work</b>
Neighborhood Fair	36	\$ 24.49	\$ 881.64	staff entrance, food prep, booth setup, etc. - 6 volunteers
Rummage Sale	40	\$ 24.49	\$ 979.60	receive/sort donations, staff sales booth, display and clean-up - 8 volunteers
Cinderella Park Restore*	40	\$ 24.49	\$ 979.60	remove invasives, plant saplings - 5 volunteers*
House Tour	15	\$ 24.49	\$ 367.35	ID houses, advertise and arrange schedule - 3 volunteers
Solicit Businesses	15	\$ 24.49	\$ 367.35	Cold calls and follow-ups - 2 volunteers
Neighborhood Collection	30	\$ 24.49	\$ 734.70	Door to door solicitation of family donations - 10 volunteers
Project Management**	10	\$ 24.49	\$ 244.90	Planning, tracking funds, overseeing events, etc. - 2 volunteers**
<b>TOTALS</b>	<b>186</b>	<b>\$ 24.49</b>	<b>\$ 4,555.14</b>	

*\* does not include our commitment for an additional 60 hours to be delivered as Park Authority schedule and weather permits (will include incorporation of volunteer hours from BB&T Bank staff as a Bank sponsored "Lighthouse Project"). Eventual total of 100 hours is in keeping with Erin Stocksclaeder's estimate of the work to be done and while we don't need those credits to reach our goal we are committed to completing the job.*

*\*\* does not include approximately 40 accumulated additional hours of scheduled meeting time spent in meetings with FCPA, District Supervisor's Office and Civic Association membership - 4 volunteers x 5 two hour meetings.*

**Attachment 3 - IN KIND LABOR SUMMARY**



GameTime c/o Cunningham Recreation  
 PO Box 240981  
 Charlotte, NC 28224  
 800.438.2780  
 704.525.7356 FAX

QUOTE  
 #92090

06/02/2014

**Surry Square - Option 1**

Fairfax County Park Authority  
 Attn: Mark Holsteen  
 near 4821 Twinbrook Road  
 Fairfax, VA 22032  
 Phone: 703-324-8691  
 Fax: 703-324-3987  
 mark.holsteen@fairfaxcounty.gov

Project #: P72177  
 Ship To Zip: 20794

Quantity	Part #	Description	Unit Price	Amount
<b><u>COMPONENTS FOR MODULAR STRUCTURE LISTED BELOW:</u></b>				
3	80024	GameTime - Plastic Square Deck Cedar	\$1,320.41	\$3,961.23
1	80025	GameTime - Plastic Tri Deck Cedar	\$1,078.35	\$1,078.35
1	80656	GameTime - Access Attachment 3' & 4'	\$394.44	\$394.44
1	90254	GameTime - 5' Leaning Wall Climber	\$1,073.88	\$1,073.88
3	90267	GameTime - 9' Upright Ass'Y (Alum)	\$231.80	\$695.40
2	90268	GameTime - 10' Upright Ass'Y (Alum)	\$254.60	\$509.20
2	90270	GameTime - 12' Upright Ass'Y (Alum)	\$300.20	\$600.40
4	90271	GameTime - 13' Upright Ass'Y (Alum)	\$323.00	\$1,292.00
4	90272	GameTime - 14' Upright Ass'Y (Alum)	\$345.80	\$1,383.20
1	90345	GameTime - 3'3'-6" Clover Leaf Climber	\$694.64	\$694.64
1	90369	GameTime - River Rock Climber	\$728.84	\$728.84
1	90392	GameTime - Store Panel 2-Color	\$756.96	\$756.96
1	90503	GameTime - 2'-6"/3' Single Wave Zip Slide	\$798.00	\$798.00
1	90509	GameTime - 5' Double Zip Slide	\$1,543.56	\$1,543.56
1	90614	GameTime - Walk In Double Fun-L Over	\$1,963.84	\$1,963.84
1	90667	GameTime - Spiral Step Climber (3'-0" & 3'-6")	\$545.68	\$545.68
1	91149	GameTime - Enclosure - Timbers Above Dk	\$601.16	\$601.16
3	91151	GameTime - Climber Entryway -Timbers	\$452.20	\$1,356.60
2	91157	GameTime - Archway w/Socket - Timbers	\$516.04	\$1,032.08
1	91178	GameTime - 3' Transfer Platform - Timbers	\$2,231.36	\$2,231.36
1	91182	GameTime - 5' Plank Climber - Timbers	\$443.08	\$443.08
1	91201	GameTime - 2' Transfer System-Timbers	\$1,652.24	\$1,652.24
1	91211	GameTime - Funnel Bridge-Timbers 2 Dk	\$3,753.64	\$3,753.64
3	91215	GameTime - Slant Roof-Timbers	\$868.68	\$2,606.04
6	91221	GameTime - 66" Slant Roof Ext-Timbers - *end of modular structure components*	\$225.72	\$1,354.32
1	178749	GameTime - Owner's Kit	\$50.00	\$50.00
1	12583	GameTime - Primetime Swing Frame, 3 1/2" Od	\$931.54	\$931.54



GameTime c/o Cunningham Recreation  
 PO Box 240981  
 Charlotte, NC 28224  
 800.438.2780  
 704.525.7356 FAX

QUOTE  
 #92090

06/02/2014

**Surry Square - Option 1**

Quantity	Part #	Description	Unit Price	Amount
1	12584	GameTime - Primetime Swing Add-A-Bay, 3 1/2" Od	\$575.28	\$575.28
2	SS8696	GameTime - Encl Tot Seat 3 1/2"/8' High w/ Clevis	\$257.56	\$515.12
2	SS8910	GameTime - Belt Seat 3 1/2" /8' w/Clevis	\$215.26	\$430.52
1	INSTALL	MISC - Installation of Above Playground Equipment	\$12,495.00	\$12,495.00
<b><u>SITE FURNISHINGS</u></b>				
1	P970-CDR6	UltraSite - 6' Double Pedestal Bench, 8-Slat, 2"x4" Planks, Cedar Recycled Plastic, Powdercoated Frame	\$634.38	\$634.38
1	INSTALL	MISC - Installation of Site Furnishings	\$765.00	\$765.00
<b><u>SAFETY SURFACING &amp; BORDERS</u></b>				
1	EWf	GT-Impax - Engineered Wood Fiber Safety Surfacing to Cover 3,126 sf @ 12" Compacted Depth, price per CY	\$3,417.00	\$3,417.00
1	161290	GameTime - Geo-Textile 2250 Sq Ft Roll	\$478.88	\$478.88
1	161291	GameTime - Geo-Textile 1125 Sq Ft Roll	\$238.62	\$238.62
4	161294	GameTime - Terraflow Drain 150' Roll	\$323.90	\$1,295.60
1	INSTALL	MISC - Supply & Install (4x) 6x6 Timber Borders	\$2,075.00	\$2,075.00
1	INSTALL	MISC - Supply & Install (3x) 6x6 Timber Borders	\$870.00	\$870.00
1	INSTALL	MISC - Supply & Install (2x) 6x6 Timber Borders	\$1,891.00	\$1,891.00
<b><u>SITWORK</u></b>				
1	INSTALL	MISC - Supply & Install 4" Concrete with 8" Stone Base	\$4,420.00	\$4,420.00
1	INSTALL	MISC - Create Chamfered Edge on Concrete	\$145.00	\$145.00
1	INSTALL	MISC - Supply & Install Turned Down Concrete Ramp Edge	\$1,758.00	\$1,758.00
1	INSTALL	MISC - Supply & Install Trench Drain	\$1,660.00	\$1,660.00
1	INSTALL	MISC - Supply & Install Solid Pipe Drain to Daylight	\$160.00	\$160.00
1	INSTALL	MISC - Supply & Install 42" Vinyl Chain Link Fence with 4' Gate & 10' Panel	\$9,758.00	\$9,758.00

Fairfax Contract #4400000105  
 As per US Communities Contract #110179, this quote includes a \$9,961.92 US Communities discount.  
 \*By signing below or issuing a purchase order against this quote, customer agrees to all GameTime Policies as outlined in the US Communities Contract.  
 Contract: USC

SubTotal: \$77,614.08  
 Tax: \$0.00  
 Freight: \$3,098.51  
**Total Amount: \$80,712.59**

## SCOPE COST ESTIMATE

### Grouped Playground Replacement Playground Equipment and Related Improvements at Surrey Square 1 Park

Scope & Design	\$	7,000
Permits	\$	-
Construction -		
Salvage/Demolition (Area & Mobile Crew); E&S Controls	\$8,300	
Install Play Equipment, Safety Surfacing, and Drainage w/Accessible Picnic Pad, and Donor Plaque	\$87,000	
Perimeter Vinyl Coated Chain-link Fencing	<u>\$9,600</u>	
Subtotal Construction	\$	104,900
Utilities	\$	-
Surveying/Engineering	\$	5,000
Contingency (10%)	\$	11,000
Administration (8%)		<u>\$9,400</u>
<b>Total Project Estimate</b>	<b>\$</b>	<b>137,300</b>

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Board Agenda Item  
April 8, 2015

## **INFORMATION**

### Infrastructure Overview- Outdoor Lighting (with presentation)

The Park Authority infrastructure continues to age without adequate resources to maintain, replace, renovate properly, and address the deferred maintenance. Over the next several months staff will continue to update the Board on the condition some of the agency's most popular park amenities and the maintenance and resource challenges moving forward.

Staff will provide an overview of the current condition of the Park Authority outdoor lighting systems to include information on the lifecycle status of the agency's outdoor lighting, examples of the current conditions and needed repairs and improvements. The Park Authority outdoor lighting program includes the athletic field, athletic court, parking lot and building security lighting systems.

Staff will also share the history of funding and the estimated funding requirements to provide outdoor lighting moving forward.

### ENCLOSED DOCUMENTS:

None

### STAFF:

Kirk W. Kincannon, Director  
Sara Baldwin, Deputy Director/COO  
Aimee L. Vosper, Deputy Director/CBD  
Todd Johnson, Director, Park Operations Division  
Barbara Nugent, Director, Park Services Division  
Cindy Walsh, Director, Resource Management Division  
Dave Bowden, Director, Planning and Development Division

# Infrastructure Overview

## Outdoor Lighting

March 2015



# Outdoor Lighting Facts

Facility	Number
Lighted athletic fields	115 fields
Lighted athletic courts	63 sets
Lighted parking lots	60 parking lots
Building security lights	60 buildings



# Why Renovate Outdoor Lights

- Better illumination / safety
- Prevent Failing infrastructure (GW & Rolling Valley West)
- Better service / customer satisfaction
- Lower maintenance costs
- Lower energy use / cost
- Comply with dark sky requirements
- Being good neighbor



# Lighted Athletic Fields 115

- Rectangular / overlay fields 44
- Diamond fields 71
- Fields with Musco green lighting 53
- Fields with old lighting 62
- Fields with web based control 115
- Fields at the end of lifecycle in next 5 years 39



old



new



old



new



old



new



# Lighted Athletic Courts 63

- Tennis/Practice courts 46
- Basketball courts 15
- Volleyball courts 2
- Courts with push button / strobe control 65
- Courts with Musco green lighting 7
- Courts with LED lighting 2
- Courts with old lighting 56
- Courts at the end of lifecycle in next 5 years 49



old

new

# Lighted Parking Lights 60

- RECenters parking lots 9
- Other parking lots 51
- Parking lots with Musco control 11
- Parking lots with LED lighting 12
- Parking lots with high/low motion sensor 9
- Parking lots lighting systems at the end of lifecycle in next 5 years 38



old



new



old



new

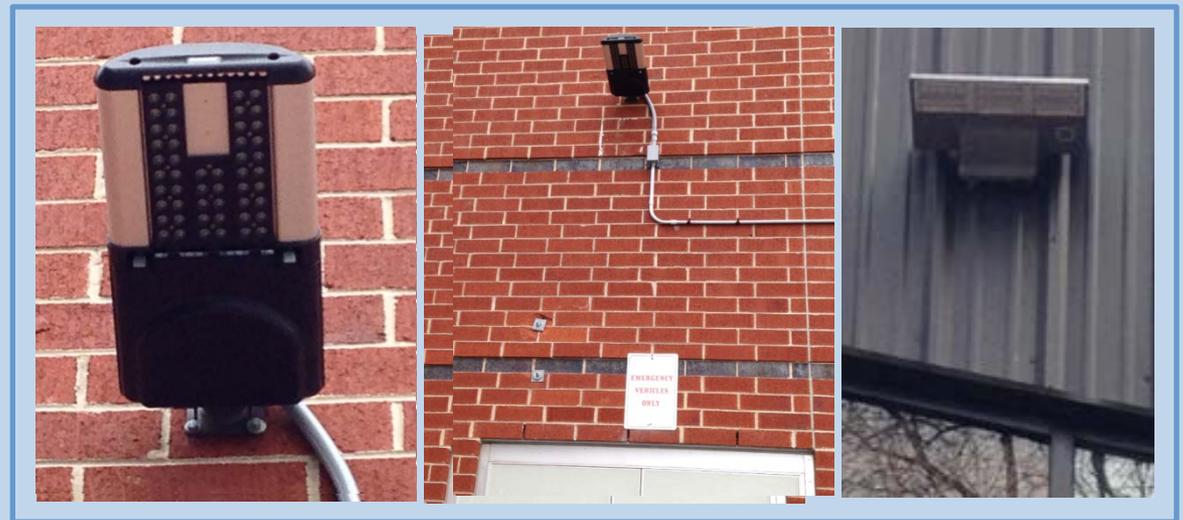


# Building Security Lights 60

- Security lights with LED lighting 5
- Security lights with older lighting 55
- Security lights at the end of lifecycle in next 5 years 47



old



new

# Lighting Control Advancements

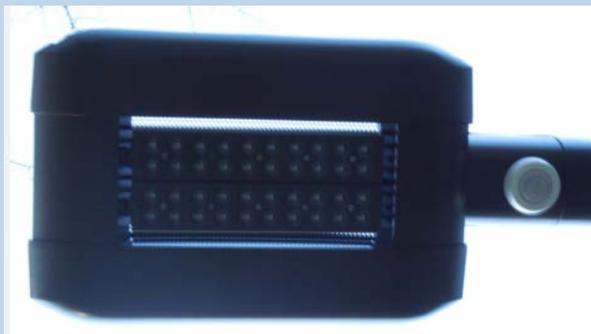
- Astronomical timer
- Photocell & daylight control
- Web based control
- Push button and strobe control
- High/low motion sensors



Timer



Photocell / daylight Control



High/low motion sensor



Push Button w/strobe



Push Button w/web based



# Common issues / compliant

- Operation hours
- Illumination / darkness
- Light consistency
- Light color
- Depreciation / Maintenance
- Instant on/off control
- Glare / light spill



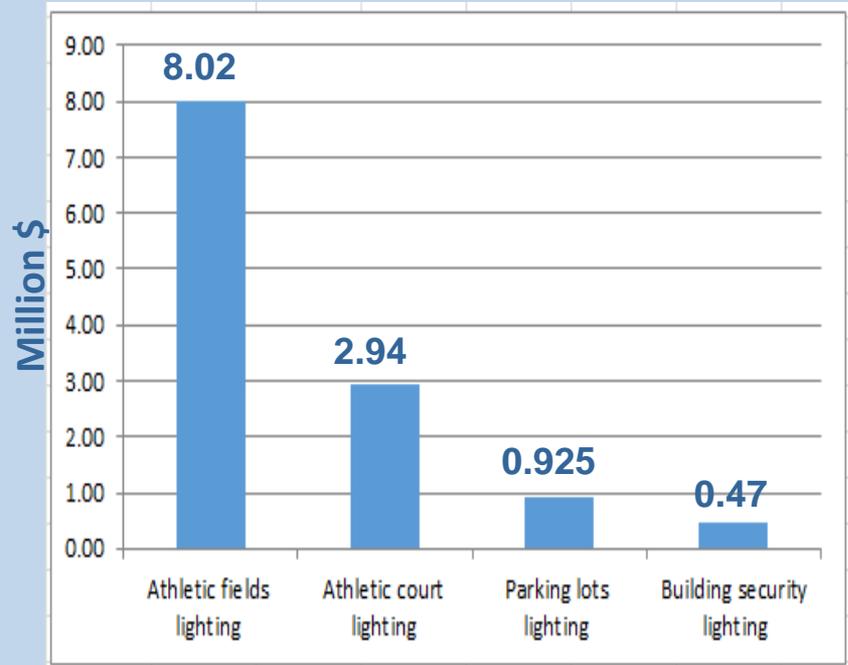
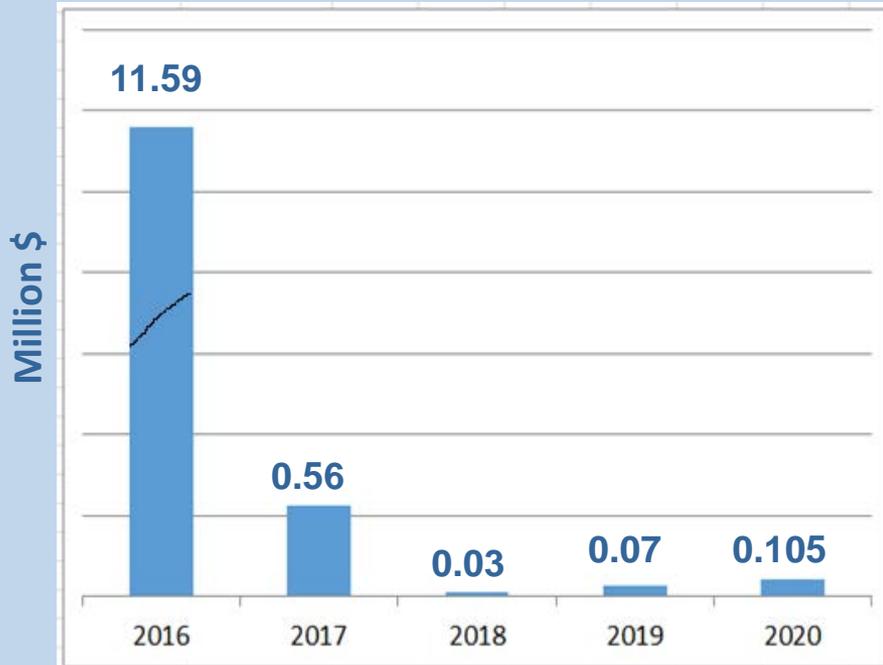
# Average Cost Per Lighting Replacement

- Rectangular athletic fields \$180,000
- Diamond athletic fields \$220,000
- Athletic courts lighting \$60,000
- Parking lots lighting \$25,000
- Building security lights \$10,000



# Cost Estimate Based On Life Cycle

Facilities	2016	2017	2018	2019	2020	Total
Athletic Fields Lighting	\$ 7,580,000.00	\$440,000.00	\$ -	\$ -	\$ -	\$ 8,020,000.00
Athletic Courts Lighting	\$ 2,760,000.00	\$120,000.00	\$ -	\$60,000.00	\$ -	\$ 2,940,000.00
Parking Lots Lighting	\$ 850,000.00	\$ -	\$ -	\$ -	\$ 75,000.00	\$ 925,000.00
Building Security Lighting	\$ 400,000.00	\$ -	\$30,000.00	\$10,000.00	\$ 30,000.00	\$ 470,000.00
<b>Total</b>	<b>\$ 11,590,000.00</b>	<b>\$560,000.00</b>	<b>\$30,000.00</b>	<b>\$70,000.00</b>	<b>\$105,000.00</b>	<b>\$ 12,355,000.00</b>



# Cost Estimate by 2020

- Athletic fields lighting replacement \$8,020,000
- Athletic courts lighting replacement \$2,940,000
- Parking lots lighting replacement \$925,000
- Security lights replacement \$470,000
- **Total \$12,355,000**



# Summary Costs by now

Facility	Cost by 2020
Courts	\$ 2.7M
Playgrounds	\$18.1M
Amusements	TBD
Outdoor Lighting	\$12.4M



# Next Step

- Grounds Equipment
- Roadways / Parking Lots
- Trails



# List of Lighted Athletic Fields

List of FCPA Lighted Athletic Fields														
Park Name	Diamond Field	Rectangular Field	Overlay Field	Year Installed / Renovated	Park Name	Diamond Field	Rectangular Field	Overlay Field	Year Installed / Renovated	Park Name	Diamond Field	Rectangular Field	Overlay Field	Year Installed / Renovated
MCNAUGHTON	DIAMOND #1			1980	BRADDOCK	DIAMOND #1			2001	FRANCONIA DISTRICT		RECTANGLE #4		2008
	DIAMOND #2			1980		DIAMOND #2			2001	HUTCHISON		RECTANGLE #4		2008
NOTTOWAY - System 1		RECTANGLE #4		1980		DIAMOND #3			2001	LAKE FAIRFAX - System 2	DIAMOND #3			2009
MASON DISTRICT	DIAMOND #1			1985		DIAMOND #4			2001		DIAMOND #5			2009
	DIAMOND #2			1985		DIAMOND #5			2001	LEE DISTRICT		RECTANGLE #4		2009
		RECTANGLE #3		1985		DIAMOND #6			2001	POPLAR TREE - System 2	DIAMOND #4			2009
GREENBRIAR - System 1	DIAMOND #1		OVERLAY #6	1987			RECTANGLE #7		2001		DIAMOND #5			2009
		RECTANGLE #5		1987	CUNNINGHAM				2001	SOUTH RUN DISTRICT - Sys 3	DIAMOND #1			2009
NOTTOWAY - System 2	DIAMOND #5			1988	SOUTH RUN DISTRICT - Sys 2	DIAMOND #3			2001		DIAMOND #2			2009
	DIAMOND #6			1988	CHANTILLY	DIAMOND #2			2004	ARROWBROOK		RECTANGLE #1		2010
OSSIAN HALL	DIAMOND #1			1988		DIAMOND #3			2004	JEB STUART	DIAMOND #1			2010
	DIAMOND #2			1988	GREAT FALLS NIKE - Sys 1	DIAMOND #1			2004	PINE RIDGE	DIAMOND #1			2010
ALABAMA DRIVE	DIAMOND #1			1991		DIAMOND #2			2004		DIAMOND #2			2010
	DIAMOND #2			1991	TOWERS	DIAMOND #1			2004		DIAMOND #3			2010
POPLAR TREE - System 1		RECTANGLE #1		1991	ARROWHEAD		RECTANGLE #1		2005			RECTANGLE #4		2010
		RECTANGLE #2		1991			RECTANGLE #3		2005			RECTANGLE #5		2010
		RECTANGLE #3		1991	E. C. LAWRENCE - System 1		RECTANGLE #2		2005			RECTANGLE #6		2010
SOUTH RUN DISTRICT - Sys 1		RECTANGLE #5		1991		DIAMOND #5			2005	ROLLING VALLEY WEST	DIAMOND #1			2010
		RECTANGLE #6		1991		DIAMOND #6			2005			RECTANGLE #2		2010
		RECTANGLE #7		1991	GREAT FALLS NIKE - Sys 2	DIAMOND #5			2005			RECTANGLE #3		2010
		RECTANGLE #8		1991		DIAMOND #6			2005	STRATTON WOODS	DIAMOND #1			2011
WESTGATE	DIAMOND #1			1991	GREENBRIAR - System 2	DIAMOND #2			2005	WAKEFIELD - System 3		RECTANGLE #5		2011
CARL SANDBURG	DIAMOND #1			1992	WAKEFIELD - System 2	DIAMOND #7			2005	OAK MARR		RECTANGLE #1		2012
WAKEFIELD - System 1	DIAMOND #1			1992		DIAMOND #8			2005			RECTANGLE #2		2012
	DIAMOND #2			1992	LEE HIGH	DIAMOND #1			2006	E. C. LAWRENCE - Sys 2		RECTANGLE #3		2013
	DIAMOND #3		OVERLAY #6	1992	BARON CAMERON	DIAMOND #4			2007	GREAT FALLS NIKE - Sys 3		RECTANGLE #4		2013
	DIAMOND #4		OVERLAY #6	1992	DULLES CORNER	DIAMOND #1			2007	LEWINSVILLE - System 2		RECTANGLE #2		2013
TRAILSIDE	DIAMOND #1			1995	LAKE FAIRFAX - System 1		RECTANGLE #1		2007			RECTANGLE #3		2013
	DIAMOND #2			1995			RECTANGLE #4		2007	SOUTH RUN DISTRICT - Sys 4		RECTANGLE #4		2013
FRED CRABTREE	DIAMOND #1			1996	LEWINSVILLE - System 1	DIAMOND #1			2007	SULLY HIGHLANDS		RECTANGLE #1		2014
	DIAMOND #2			1996	LINCOLN LEWIS VAN DYKE	DIAMOND #1			2007			RECTANGLE #2		2014
HOWERY FIELD	DIAMOND #1		OVERLAY #4	1996		DIAMOND #2			2007		DIAMOND #3			2014
	DIAMOND #3			1996	MARTIN LUTHER KING JR	DIAMOND #1		OVERLAY #2	2007		DIAMOND #4			2014
BYRON AVENUE	DIAMOND #1			1997	NOTTOWAY - System 3	DIAMOND #1			2007		DIAMOND #5			2014
	DIAMOND #3			1997		DIAMOND #2			2007	LOISDALE		RECTANGLE #1		2015
BEULAH	DIAMOND #1			2001		DIAMOND #3			2007	ARBOR ROW		RECTANGLE #1		2015
	DIAMOND #2			2001	PATRIOT		RECTANGLE #1		2007			RECTANGLE #2		2015
					TOTAL: 56 PAKS / 115 FIELDS	71	39	5						



# List of Lighted Athletic Courts

List of FCPA Lighted Athletic Courts							
Site	Tennis / Practice		Basketball		Volleyball		Year Installed/ Renovated
	# of controls	# of courts	# of controls	# of courts	# of controls	# of courts	
Alabama Dr			1	2			2002
Annandale Community	1	2	1	1			1990
Arrowbrook Park	1	2					2010
Backlick Park	1	2					1995
Camelot School	1	2					1990
Carl Sandburg Middle School	3	6					1990
Chalet Woods Park	1	3	1	1			1974
Cooper Park	1	4					1980
Cunningham Park	1	2					2001
Greenbriar Park	1	2					1985
Hidden Pond Park	1	3					1999
Jefferson District Park	3	9	1	2			2003
Kings Park	1	2					1970
Lee District Park	3	5			1	2	2013
Levelle Dupell Park	1	1	1	1			1996
Linway Terrace Park	1	3					1980
Mason District Park	2	6	1	1			1975
McLean Central Park	2	2	1	1			1980
Nottoway Park	4	7	2	2	1	1	1980 / 2013
Ossian Hall Park			1	1			1980
Rolling Valley West	1	4	1	1			2012
South Run Park	1	2	1	2			1986 / 2012
Stratford Landing Park	1	2					1990
Stratton Woods	1	2					2004
Stuart Road Park	1	1	1	1			1990
Wakefield Park	9	14	2	3			1990
Westgate Park	1	2					1980
Wolf Trails Park	2	3					1995
<b>Total (31)</b>	<b>46</b>	<b>93</b>	<b>15</b>	<b>19</b>	<b>2</b>	<b>3</b>	<b>Total 63 Sets</b>



# List of Lighted Parking Lots

List of Lighted Parking Lots					
Area Mgmt	Facility Name	Year Installed	Area Mgmt	Facility Name	Year Installed
1	Jefferson Golf	2014	3	Huntley Meadows	1990
1	Lewinsville Park	1980	4	Hidden Pond Nature Center	2001
1	Linway Terrace Park	1980	4	Kings Park Park	1970
1	McClean Central Park	2012	4	Patriot Park	2007
1	Olney Park	1980	4	Rolling Valley West	1975
1	Spring Hill Rec	2011	4	South Run Park	1986
1	Nottoway Park	1980	4	South Run RECenter	2012
1	Oak Marr REC	2012	4	Laurel Hill Golf	2005
1	Oak Marr Golf	2012	4	Laurel Hill Shop	2005
1	Wolf Trails Park	1993	4	Burke Lake Golf	1980
2	Wakefield Park - ballfields	2000	5	Braddock Park	1985
2	Audrey Moore RECenter	2012	5	Cub Run RECenter	2012
2	Wakefield Park	1975	5	EC Lawrence Park	2007
2	Mason District	1980	5	Greenbriar Park	1985
2	Ossian Hall	1980	5	ECLP Park	1993
2	Providence RECenter	2012	5	Sully historic Site - Old parking lot	1983
2	Green Spring Gardens - Main & North	1995	5	Sully historic Site - New Parking lot	2008
2	Green Spring Gardens - Witch Hazel Rd	2000	5	Twin Lakes Golf	1998
2	Annandale Community	1990	5	Sully Highland	2014
2	Packard Center	2012	6	Alabama Park	1979
2	Hidden Oaks Nature Center	2008	6	Great Falls Park	1979
2	Pinecrest Golf	1986	6	Stuart Road Park	1990
3	Bren Mar	1979	6	Frying pan Activity Center	1980
3	George Washington Recenter	2012	6	Frying pan Visitor Center	1980
3	Lee District RECenter	2012	6	Frying pan Farm	1990
3	Lee District Harbor	2012	6	Riverbend Park - Nature Center	1975
3	Lee District Park	1980	6	Arrowbrook	2013
3	Levelle Dupell	1996	6	Stratton Woods	2012
3	Huntley Meadows Park	1980			
3	Mount Vernon RECenter	2000			
3	Stoney brooke	1979			
3	Trailside	1980			
				<b>Total Parking lots</b>	<b>60</b>
				<b>RECenter Parking lots</b>	<b>9</b>
				<b>Other Parking lots</b>	<b>51</b>



# List of Lighted Building Security Lights

## Building Security Lights

Facility Name	Year Installed	Facility Name	Year Installed	Facility Name	Year Installed
Braddock Park	1995	Hidden Pond Nature Center	1978	Nottoway Park (2)	2006
Area 4 Shop	1993	Huntley Meadows - Visitor Centre	1990	Nottoway Park (3)	2000
Burke Lake and Golf	1968	Huntley Meadows Other Buildings	1980	Nottoway Park (4)	2005
Burke Lake Park - Other buildings	1980	Jefferson District Park Club House	1979	Oak Marr Park and REC	1998
Burke Station Park	1995	Jefferson District Park Other Buildings	1979	Area 1 Mgmt (1)	2005
Colvin run Mill	2003	Jefferson Manor	1980	Area 1 Mgmt Facility (2)	2007
Cub Run RECenter	2005	Area 6 Maintenance Shop (1)	1983	Pinecrest Golf (1)	2005
ECLP PARK - Main building	1980	Area 6 Maintenance Shop (2)	2000	Pinecrest Golf (2)	1986
ECLP PARK - other	1980	Lake Fairfax (1)	1973	Poplar Tree Park	1995
Frying pan Barn	1980	Lake Fairfax (2)	1990	Riverbend Park (1)	2008
Frying pan Activity Center	1980	Lake Fairfax (3)	2008	Riverbend Park (2)	1998
Frying pan Visitor Center	1980	Lee District RECenter	1987	Roundtree	2002
Frying pan Other Buildings	1980	LEE HIGH PARK	1985	South Run REC	1987
GW RECenter (1)	1990	LEVELLE DUPELL	1996	Spring Hill REC	1987
GW RECenter (2)	1990	Mason District (1)	1990	Twin Lakes Golf (1)	1998
Green Spring Gardens (1)	1980	Mason District (2)	2005	Twin Lakes Golf (2)	2000
Green Spring Gardens (2)	1995	McLean Central Park	1999	Wakefield Park (1)	1975
Green Spring Gardens (3)	2006	Mt Vernon Woods	1995	Westgate Park (2)	1980
Green Spring Gardens (4)	1970	Mt. Vernon RECenter (1)	2007		
Greenbriar Park	1995	Mt. Vernon RECenter (2)	1979		
Greendale Golf Course - Clubhouse	1980	Nottoway Park (1)	1980		
				<b>Total Number of Facilities:</b>	<b>60</b>





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