

APPROVED CAPITAL BUDGET
FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2016
PROJECT LIST

Pg No.	Project Number / Name
	<u>COMMUNITY FACILITIES/DRAINAGE</u>
42	01-12 American Disability Act-III
42	03-08 American Disability Act
42	14-96 Arts Education Center
42	01-15 Butts Station Operation Relocation Phase I
42	95-12 City Hall Campus Security & Generator for Public Safety Evidence Building
42	15-11 Community Quality of Life Incentive
42	39-06 Facility Space Needs
42	44-13 Fast Pay Back Energy Conservation
42	09-14 Human Services HVAC/Emergency Exit
42	99-12 Sheriff-Work Release Equipment
43	02-12 Facilities - High Priority Renewal/Replacement II
44	02-15 Facilities - High Priority Renewal/Replacement III
45	08-14 Facilities-Library Renewal/Replacement
46	01-16 Mosquito Control Facilities Relocation
47	61-12 Municipal Parking Lots and Sidewalks
48	04-15 Municipal Parking Lots and Sidewalks II
49	02-16 Solid Waste Facilities Relocation
50	10-12 South Norfolk Community Development
51	05-15 South Norfolk Community Development II
52	28-16 Voting Equipment Replacement Project
53	06-15 Ahoy Acres/Holly Cove System Replacement
53	06-14 Border Road Area Drainage Improvements Phase II
53	01-08 Camelot Outfall Drainage Improv.
53	04-08 Citywide Undesignated Drainage
53	40-14 Community Rating System
53	34-11 Delia Dr. Outfall Re-Grading
53	01-10 Dunedin Area Drainage Improvements
53	01-07 Green Meadow Point
53	06-13 Homemont Area Drainage Improvements
53	07-14 Money Point Area BMP & Drainage Improvements
54	74-12 Murray Dr./ Greenhaven Area Improvement
54	75-12 Partridge/Cloverdale Area Drainage Improvements
54	76-12 Scenic Blvd. Drainage Improvements
54	78-12 Shillelagh Roadside Ditch Relocation
54	01-04 Sunray Drainage Outfall - Phase III
54	34-11 Various Drainage Improvement
54	34-11 West Munden Drainage Outfall Improvements
54	34-11 Yadkin Road Outfall Drainage Improvements
54	12-12 Yadkin Roadside Ditch Improvements & BMP , Phase II
54	12-15 Yadkin Road BMP Drainage Improvement Phase III
55	73-12 BMP Restoration Citywide
56	02-13 Chesapeake Dr. Drainage Improvements
57	03-16 City Wide Outfall Re-grading & Restoration
58	68-12 City Wide Undesignated Drainage-II

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Pg No.	Project Number / Name
59	07-15 City Wide Undesignated Drainage-III
60	72-12 Colony Manor Outfall Improvements
61	04-10 Cooper's Ditch Dredging
62	04-13 D Street Drainage Improvements
63	07-13 Lamberts Trail Area Drainage Improvements
64	05-12 Neighborhood Drainage Improvements
65	08-15 Neighborhood Drainage Improvements II
66	09-15 Oakdale Area BMP & Drainage Improvements
67	09-13 Prince Edwards Drive Outfall Improvements
68	10-13 Royce Drive Drainage Improvements
69	77-12 Shillelagh Road Drainage Outfall Improvement
70	11-13 Shorewood Area Drainage Improvements
71	06-12 Stormwater Mapping & Master Drainage Plan II
72	10-15 Stormwater Mapping & Master Drainage Plan III
73	05-14 Stormwater Quality Program
74	11-15 Stormwater Quality Program II
75	13-13 Sunray Area Outfall Re-Grading
76	80-12 Washington Manor Drainage Outfall Improvements

ECONOMIC DEVELOPMENT

77	30-09 Conference Center Equipment Replacement
77	58-12 GB-Commerce Bike Trail
77	16-12 GB TIF - Commerce District
77	08-11 GB TIF - Activity Center
77	15-10 GB TIF - Conference Center Renovation
77	18-10 GB TIF - Electronic Gateway Signage
77	57-12 GB TIF - Mall Bike Trail
77	15-12 GB TIF - North Corporate District
77	10-11 GB TIF - Sidewalk/Crosswalk Improvements Signage
77	09-11 GB TIF - Wayfinding Signage
77	20-10 Pedestrian Safety - Design & Construction
77	63-12 SoNo Infrastructure Improvements
78	22-12 SoNo TIF - Johnson Park Improvements
78	09-09 SoNo TIF - Strategic Development
78	19-12 SoNo TIF - Poindexter Streetscape
78	07-09 TCC - Land Acquisition
79	62-12 Commerce Park
80	14-10 GB TIF Conference Center District
81	13-12 GB TIF Greenbrier Center District
82	18-12 GB TIF-Municipal District Improvements including Park and Activity Center
83	18-13 GB TIF-Woodlake Drive Extension
84	20-12 SONO TIF-Library Replacement
85	21-12 SONO TIF-Village Center Improvements
86	04-16 Western Branch Property Acquisition

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INFORMATION SYSTEMS

87 12-14 E-Gov Initiative - Phase II Web 2.0
87 22-10 EMS Field Collection/Treasurer Billing
87 12-11 Enterprise Wide Technology Improvement Phase I
87 92-12 Phase I - HR/Payroll System
87 91-12 Re-Write Personal Property Tax System
87 10-14 Telephone System Upgrade
88 **05-16 Disaster Recovery Backup Radio System**
89 **27-16 Enterprise Financials PeopleSoft Upgrade**
90 **06-16 Enterprise KRONOS Upgrade**
91 15-13 Enterprise Wide Technology Improvements Phase II
92 **07-16 FCC Narrowbanding Compliance**
93 28-15 Mainframe Modernization
94 **08-16 Project 25 Radio System**

PARKS AND RECREATION

95 26-07 Battlefield Visitors Center (Partial)
95 96-12 Camelot Community Center Improvements
95 16-13 Deep Creek Park
95 21-10 Great Dismal Swamp Trail Phase I
95 17-05 Land Acquisition- Parks
95 84-12 Park Improvements 2008
95 32-08 Southwestern Park
96 30-15 Cascade Boulevard Park
97 31-15 Conversion of South Norfolk Armory to a Community Center
98 **09-16 General Improvements to Community Centers and Parks**

PUBLIC SAFETY

99 23-09 Animal Control Land Acquisition
99 37-14 Animal Services Facility
99 14-14 Jail HVAC/Energy Retrofit
99 59-12 Jail Addition Phase II - Design
99 39-13 Public Safety Building Windows
99 38-14 Public Safety Site Remediation/Turn Lane Construction
100 **10-16 Combined Fire Station #7/Police Precinct #6**
101 33-15 Computer - Aided Dispatch System
102 **11-16 Fire Department Logistics Support Center**
103 07-11 Fire Station #10
104 39-14 Public Safety EOC/EDC/Back-up Network Ops Center
105 97-12 Public Safety Training Center Study

TRANSPORTATION

106 24-11 Battlefield Blvd. Intersection Improvements at Cedar Rd.
106 65-12 Beaver Dam Bridge-Bridge Replacement
106 88-12 Bells Mill-Bridge Replacement

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Pg No.	Project Number / Name
106	15-15 Bruce Road/Taylor Road (Right Turn Lane)
106	86-12 Centerville/Blue Ridge/Fentress Intersection
106	07-05 Congestion Mitigation Air Quality Program
106	44-14 Dismal Swamp Canal Trail
106	14-15 Elbow Road, Phase I
106	13-15 Elbow Road Safety Improvements
106	24-15 George Washington Highway Improvements
106	02-07 Gilmerton Bridge Repairs
107	04-06 Gilmerton Bridge Replacement
107	04-09 Grade Crossing Safety Program
107	20-05 Gum Road Multi-Use Path
107	36-10 Hanbury Road Intersection & Ramp Improvements
107	64-12 Hudgin Bridge-Bridge Replacement
107	27-13 Lake Drummond Bridge Replacement
107	15-05 Master Road Plan Study
107	16-15 Military Hwy S. at Baugher Avenue
107	17-15 Military Hwy S. at State Street
107	17-09 Military Hwy. Study Street Light
107	21-05 Poindexter Street Improvements
107	38-06 Repair & Maintenance Roads and Bridges
108	35-09 RT17 Financing Study
108	32-15 Safe Routes to Schools Program Improvements
108	05-09 Smart Traffic Center, Phases II
108	06-09 Smart Traffic Center, Phases III
108	21-08 Traffic Signals and Intersection Improvements
108	67-12 Traffic Signals and Intersection Improvements
108	33-11 Various Intersection Improvements
108	83-12 Volvo Pkwy/Independence Pkwy with Tintern Connection
109	26-16 Chesapeake Expressway Renewals
110	03-12 Grade Crossing Safety Program II
111	35-10 Portsmouth Boulevard
112	04-12 Repair & Maintenance Roads and Bridges
113	17-13 Repair & Maintenance Roads and Bridges II
114	23-06 Rt. 17/Steel Bridge (Dominion Blvd)
 <u>PUBLIC UTILITIES</u>	
115	24-13 Asset Management System
115	40-12 Basin Cover Replacement, Northwest River WTP
115	22-13 Cascade Park & Westgate Street Phase II
115	02-09 Chesapeake and Albemarle Canal Waterline Relocation
115	34-12 Customer Service & Billing Software
115	06-10 Force Main Upgrade - Greenbrier Parkway
115	36-12 Hanbury Rd. 12" Water Main
115	29-05 Joliff Road Waterline Phase II
115	31-10 Lake Gaston H ₂ O Protection

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Pg No.	Project Number / Name	
115	18-89	Lake Gaston Phase VI
115	38-12	Military Highway- 36" Water Main
115	40-13	Murray Drive Whittamore Road Water Project
115	19-13	Northwest River Water Treatment Plant Miscellaneous Modifications Evaluation
115	48-12	Northwest River Potable Pump Modifications
116	35-12	Northwest River WTP Storm Hardening
116	44-12	Portsmouth Area Expansion
116	29-12	Sewer Renewal - Anne Ave.
116	07-10	Sewer Renewal - Gregg St - Alleyway
116	32-12	Sewer Renewal SSES Phase I
116	45-12	South Norfolk Improvements
116	23-12	Storm Harden Field Operations Building
116	54-12	30" Raw Water Main
116	03-06	Surface Water Membrane Replacement II
116	51-12	Unserved Areas - Joliff-Moore Jaye
116	47-12	Western Branch Interconnect to LG WTP
117	21-14	Battlefield to Centerville Water Main Phase I
118	22-14	Battlefield to Centerville Water Main Phase II
119	12-16	Bainbridge Boulevard Elevated Storage Tank Renovation
120	43-12	Centerville Turnpike Loop 3
121	27-12	Conduct Sanitary Sewer Evaluation
122	20-14	Deep Creek Pump Station Upgrade
123	25-13	Generator Replacement Program
124	25-14	Generator Replacement Program Phase II
125	23-14	Great Bridge Boulevard Water Main Phase I
126	50-12	Laboratory Equipment Replacement, Phase I
127	18-14	Laboratory Equipment Replacement, Phase II
128	52-12	Lake Gaston WTP Membrane Replacement - Phase I
129	21-13	Lake Gaston WTP Membrane Replacement, Phase II
130	18-15	Maintenance & Operations Equipment Replacement
131	53-12	Meter Reading Equipment and Software
132	01-09	NW River Membrane Replacement- Phase III
133	01-14	NW River Membrane Replacement- Phase IV
134	19-15	Pressure Transducer
135	69-12	Pump Station and Wet Well Upgrading Phase III
136	02-14	Pump Station and Wet Well Upgrading Phase IV
137	39-12	Raw Water Transmission Main
138	17-14	Red Top Tank and Raw Water Pump Station
139	13-16	Sewer Management Operations and Maintenance
140	30-12	Sewer Renewal- Manhole Inserts
141	03-14	Sewer Renewal- Manhole Inserts Phase II
142	33-12	Sewer Renewal- SSES Phase II
143	23-13	Sewer Renewal- SSES Phase III
144	31-12	Sewer System Repairs
145	04-14	Sewer System Repairs Phase II

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Pg No.	Project Number / Name
146	26-12 Telemetry Upgrade
147	16-14 Telemetry Upgrade Phase II
148	51-12 Unserved Areas
149	19-14 Violet St. Pump Station Emergency Generator
150	71-12 Water Renewals- Waterline Upgrading
151	14-16 Water Renewals- Waterline Upgrading Phase II
152	24-12 Water System Renewal
153	21-15 Water System Renewal Phase II
154	15-16 Waters Road Water Main
155	24-14 Western Branch Ground Storage Tank Renovation

EDUCATION

156	32-14 HVAC Replacement: Great Bridge High School
156	32-14 HVAC Replacement: Deep Creek High School
156	31-14 HVAC Replacement: Western Branch Primary School
156	31-14 HVAC Replacement: Greenbrier Primary School
156	33-14 Mixing Boxes: Western Branch and Indian River Middle Schools
156	Cooling Tower: Norfolk Highlands Primary School
156	22-15 Modernization Design and Construction: Indian River High School
156	33-97 Land, Elementary School, Chittum area
156	41-98 Land, Elementary School, Southeastern Area
156	36-14 Roof Replacement: Chittum Elementary
157	16-16 Boiler Replacement: Butts Road Primary, Indian River Middle, Western Branch Middle schools
158	17-16 Chiller Replacement: Hickory High School
159	18-16 Deep Creek SECEP Building - renovation of facility
160	19-16 HVAC - Partial System Replacements at 7 schools: Truitt Intermediate, Hickory Elem, Great Bridge MS, Hugo Owens MS, Hickory MS, Cedar Road Elem, and Camelot Elementary School
161	20-16 HVAC Replacement: Oscar Smith High School
162	21-16 HVAC Replacement: Southwestern Elementary
163	22-16 Repaving - Deep Creek Elementary (DCE)
164	23-16 Roof Replacements at 8 facilities: Southwestern Elem, Butts Road Primary, Sparrow Road Intermediate, Deep Creek SECEP, Western Branch Intermediate (partial), Warehouse and Supply Bldg, and School Plant Bldg
165	24-16 Structural Reinforcement - ESC 4-Room Annex
166	25-16 Technology Upgrades: Deep Creek High (DCH), Great Bridge High (GBH), Hickory High (HH), and Oscar Smith High (OSH)

APPROVED CAPITAL BUDGET FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2016
SUMMARY OF ESTIMATED CHESAPEAKE RESOURCES AND REQUIREMENTS

Exhibit A

REQUIREMENTS	Resource Requirements by Fiscal Year						Previously Appropriated	TOTAL RESOURCES
	2011-12	2012-13	2013-14	2014-15	2015-16	Total for 5 Years		
Funds Previously Appropriated	0	0	0	0	0	0	139,498,549	139,498,549
Borrowing Authority - Greenbrier TIF	7,800,000	9,420,391	0	0	8,030,610	25,251,001		25,251,001
Borrowing Authority - Schools (VPSA)	9,934,800	0	0	11,208,400	0	21,143,200		21,143,200
Borrowing Authority - South Norfolk TIF	0	0	0	0	16,000,000	16,000,000		16,000,000
Borrowing Authority - Unissued	38,034,535	11,239,674	4,804,931	6,438,000	0	60,517,140		60,517,140
Chesapeake Expressway Renewal and Replacement Fund	3,000,000	0	0	0	0	3,000,000		3,000,000
General Fund Balance Designated for Capital Projects	5,146,425	0	0	0	0	5,146,425		5,146,425
General Fund Balance Designated for School Capital Projects	10,750,000	0	0	1,500,000	0	12,250,000		12,250,000
General Fund Chesapeake Public Schools	50,000	0	0	0	0	50,000		50,000
General Fund Operating Transfer	1,250,000	1,539,100	1,050,000	1,050,000	1,050,000	5,939,100		5,939,100
Greenbrier TIF - Cash	2,614,917	5,000,000	0	523,041	0	8,137,958		8,137,958
Proffers	770,883	0	0	0	0	770,883		770,883
Public Utilities - Borrowing Authority Revenue Supported	11,853,705	12,266,715	14,206,673	6,347,524	11,657,793	56,332,410		56,332,410
Public Utilities Fund Balance	3,595,000	6,286,957	5,198,123	3,220,000	4,644,997	22,945,077		22,945,077
Redirects from Other Projects	311,899	0	605,069	0	0	916,968		916,968
Revenue Bonds - Transportation (backed by toll revenue)	308,056,800	0	0	36,002,400	0	344,059,200		344,059,200
South Norfolk TIF - Cash	500,000	0	0	0	0	500,000		500,000
Stormwater Management Fees	6,000,000	6,000,000	6,000,000	6,000,000	6,000,000	30,000,000		30,000,000
VDOT Reimbursement	51,405,800	50,000	0	0	0	51,455,800		51,455,800
TOTAL ESTIMATED RESOURCES	461,074,764	51,802,837	31,864,796	72,289,365	47,383,400	664,415,162	139,498,549	803,913,711

REQUIREMENTS	Resource Requirements by Fiscal Year						Previously Appropriated	TOTAL RESOURCES
	2011-12	2012-13	2013-14	2014-15	2015-16	Total for 5 Years		
Community Facilities	14,413,418	7,025,000	7,025,000	7,025,000	7,025,000	42,513,418	9,068,296	51,581,714
Economic Development / Planning	14,314,917	14,420,391	0	523,041	24,030,610	53,288,959	47,902,848	101,191,807
Information Technology	951,300	5,290,774	4,800,000	0	0	11,042,074	3,500,000	14,542,074
Parks and Recreation	357,024	0	0	0	0	357,024	700,375	1,057,399
Public Safety	32,417,000	6,438,000	610,000	6,438,000	0	45,903,000	6,800,000	52,703,000
Transportation	362,487,600	75,000	25,000	36,027,400	25,000	398,640,000	47,630,000	446,270,000
Public Utilities	15,448,705	18,553,672	19,404,796	9,567,524	16,302,790	79,277,487	23,897,030	103,174,517
Education	20,684,800	0	0	12,708,400	0	33,393,200	0	33,393,200
TOTAL ESTIMATED REQUIREMENTS	461,074,764	51,802,837	31,864,796	72,289,365	47,383,400	664,415,162	139,498,549	803,913,711

APPROVED CAPITAL BUDGET FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2016
ESTIMATED COST REQUIREMENTS
 Exhibit B

Fund Source	Proj #	Project Name	Resource Requirements by Fiscal Year					Total for 5 Years	Previously Appropriated	Total Resources	Future Requirements
			2011-12	2012-13	2013-14	2014-15	2015-16				
Community Facilities											
GF	02-12	Facilities - High Priority Renewal/Replacement-II	800,000	0	0	0	0	800,000	2,800,000	3,600,000	0
GF	02-15	Facilities - High Priority Renewal/Replacement-III	0	800,000	800,000	800,000	800,000	3,200,000	0	3,200,000	0
Proffers	08-14	Facilities - Library Renewal/Replacement	390,418	0	0	0	0	390,418	171,195	561,613	0
BA	01-16	Mosquito Control Facilities Relocation	3,828,000	0	0	0	0	3,828,000	0	3,828,000	0
Redirect/GF	61-12	Municipal Parking Lots & Sidewalks	200,000	0	0	0	0	200,000	600,000	800,000	0
GF	04-15	Municipal Parking Lots & Sidewalks II	0	200,000	200,000	200,000	200,000	800,000	0	800,000	0
BA	02-16	Solid Waste Facilities Relocation	2,170,000	0	0	0	0	2,170,000	0	2,170,000	0
GF	10-12	South Norfolk Community Development	25,000	0	0	0	0	25,000	75,000	100,000	0
GF	05-15	South Norfolk Community Development II	0	25,000	25,000	25,000	25,000	100,000	0	100,000	0
GF	28-16	Voting Equipment Replacement Project	1,000,000	0	0	0	0	1,000,000	0	1,000,000	0
SWMF	73-12	BMP Restoration Citywide	200,000	300,000	400,000	400,000	400,000	1,700,000	200,000	1,900,000	0
SWMF	02-13	Chesapeake Dr. Drainage Improvements	0	800,000	0	0	0	800,000	0	800,000	0
SWMF	03-16	City Wide Outfall Re-grading & Restoration	200,000	200,000	200,000	200,000	200,000	1,000,000	0	1,000,000	0
SWMF	68-12	City Wide Undesignated Drainage - II	760,000	0	0	0	0	760,000	722,101	1,482,101	0
SWMF	07-15	City Wide Undesignated Drainage - III	0	500,000	765,000	500,000	800,000	2,565,000	0	2,565,000	0
SWMF	72-12	Colony Manor Outfall Improvements	0	0	415,000	0	0	415,000	0	415,000	0
SWMF	04-10	Cooper's Ditch Dredging	0	2,000,000	0	0	0	2,000,000	0	2,000,000	0
SWMF	04-13	D Street Drainage Improvements	0	0	370,000	0	0	370,000	0	370,000	0
SWMF	07-13	Lamberts Trail Area Drainage Improvements	1,100,000	0	0	0	0	1,100,000	1,000,000	2,100,000	0
SWMF	05-12	Neighborhood Drainage Improvements	500,000	0	0	0	0	500,000	2,300,000	2,800,000	0
SWMF	08-15	Neighborhood Drainage Improvements II	0	500,000	500,000	500,000	500,000	2,000,000	0	2,000,000	0
SWMF	09-15	Oakdale Area BMP & Drainage Improvements	0	0	0	0	500,000	500,000	0	500,000	0
SWMF	09-13	Prince Edwards Drive Outfall Improvements	0	0	600,000	0	0	600,000	0	600,000	0
SWMF	10-13	Royce Drive Drainage Improvements	0	0	550,000	0	0	550,000	0	550,000	0
SWMF	77-12	Shillelagh Road Drainage Outfall Improvements	0	0	0	0	200,000	200,000	0	200,000	2,000,000
SWMF	11-13	Shorewood Area Drainage Improvements	540,000	0	0	0	0	540,000	0	540,000	0
SWMF	06-12	Stormwater Inventory Mapping & Master Drain Plan II	200,000	200,000	200,000	0	0	600,000	400,000	1,000,000	0
SWMF	10-15	Stormwater Inventory Mapping & Master Drain Plan III	0	0	0	200,000	200,000	400,000	0	400,000	0
SWMF	05-14	Stormwater Quality Program (VPDES Permit Compliance)	2,500,000	1,500,000	2,000,000	0	0	6,000,000	800,000	6,800,000	0
SWMF	11-15	Stormwater Quality Program II (VPDES Permit Compliance II)	0	0	0	2,000,000	2,000,000	4,000,000	0	4,000,000	0
SWMF	13-13	Sunray Outfall Re-Grading	0	0	0	0	1,200,000	1,200,000	0	1,200,000	0
SWMF	80-12	Washington Manor Drainage Outfall Improvements	0	0	0	2,200,000	0	2,200,000	0	2,200,000	0
Subtotal - Community Facilities/Drainage			14,413,418	7,025,000	7,025,000	7,025,000	7,025,000	42,513,418	9,068,296	51,581,714	2,000,000

APPROVED CAPITAL BUDGET FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2016

ESTIMATED COST REQUIREMENTS

Exhibit B

Fund Source	Proj #	Project Name	Resource Requirements by Fiscal Year					Total for 5 Years	Previously Appropriated	Total Resources	Future Requirements
			2011-12	2012-13	2013-14	2014-15	2015-16				
Economic Development											
GF	62-12	Commerce Park	1,500,000	0	0	0	0	1,500,000	2,975,000	4,475,000	0
GTIF	14-10	GB TIF - Conference Center District	1,114,917	0	0	0	0	1,114,917	1,131,952	2,246,869	0
GTIF	13-12	GB TIF - Greenbrier Center District	0	0	0	523,041	8,030,610	8,553,651	8,018,428	16,572,079	0
GTIF	18-12	GB TIF - Municipal District Improvements including Park and Activity Center	0	14,420,391	0	0	0	14,420,391	28,876,547	43,296,938	0
GTIF	18-13	GB TIF - Woodlake Drive Extension	9,300,000	0	0	0	0	9,300,000	1,615,970	10,915,970	0
SNTIF	20-12	SoNo TIF - Library Replacement	500,000	0	0	0	0	500,000	5,284,951	5,784,951	0
SNTIF	21-12	SoNo TIF - Village Center Improvements	0	0	0	0	16,000,000	16,000,000	0	16,000,000	0
GF	04-16	Western Branch Property Acquisition	1,900,000	0	0	0	0	1,900,000	0	1,900,000	0
Subtotal - Economic Development / Planning			14,314,917	14,420,391	0	523,041	24,030,610	53,288,959	47,902,848	101,191,807	0
Information Technology											
Other	05-16	Disaster Recovery Backup Radio System (Tower Rental)	101,300	0	0	0	0	101,300	0	101,300	0
GF	27-16	Enterprise Financials PeopleSoft Upgrade	600,000	0	0	0	0	600,000	0	600,000	0
GF/CPS	06-16	Enterprise Kronos Upgrade	100,000	0	0	0	0	100,000	0	100,000	0
GF	15-13	Enterprise Wide Technology Improvements-II	150,000	200,000	0	0	0	350,000	0	350,000	0
GF	07-16	FCC Narrowbanding Compliance	0	289,100	0	0	0	289,100	0	289,100	0
GF	28-15	Mainframe Modernization	0	0	0	0	0	0	3,500,000	3,500,000	0
BA/Lease	08-16	Project 25 Radio System	0	4,801,674	4,800,000	0	0	9,601,674	0	9,601,674	0
Subtotal - Information Technology			951,300	5,290,774	4,800,000	0	0	11,042,074	3,500,000	14,542,074	0
Parks and Recreation											
PRF	30-15	Cascade Boulevard Park - Field Lighting	0	0	0	0	0	0	205,000	205,000	0
SNTIF/PRF Grant	31-15	Conversion of South Norfolk Armory to a Community Park	0	0	0	0	0	0	495,375	495,375	0
PRF/GF/Redirects	09-16	General Improvements to Community Centers and Parks	357,024	0	0	0	0	357,024	0	357,024	0
Subtotal - Parks and Recreation			357,024	0	0	0	0	357,024	700,375	1,057,399	0
Public Safety											
BA	10-16	Combined Fire Station #7/Police Precinct #6	0	0	610,000	6,438,000	0	7,048,000	0	7,048,000	0
CP/GF	33-15	Computer-Aided Dispatch System	0	0	0	0	0	0	750,000	750,000	0
Proffers/BA	11-16	Fire Department Logistics Support Center	632,000	0	0	0	0	632,000	0	632,000	0
BA	07-11	Fire Station #10 - Design and Construction	735,000	6,438,000	0	0	0	7,173,000	0	7,173,000	0
BA/Grant/Redirect	39-14	Public Safety EOC/EDC/Back-up Network Ops Center	31,050,000	0	0	0	0	31,050,000	5,750,000	36,800,000	0
Lock Box - City	97-12	Public Safety Training Center Study	0	0	0	0	0	0	300,000	300,000	0
Subtotal - Public Safety			32,417,000	6,438,000	610,000	6,438,000	0	45,903,000	6,800,000	52,703,000	0

APPROVED CAPITAL BUDGET FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2016

ESTIMATED COST REQUIREMENTS

Exhibit B

Fund Source	Proj #	Project Name	Resource Requirements by Fiscal Year					Total for 5 Years	Previously Appropriated	Total Resources	Future Requirements
			2011-12	2012-13	2013-14	2014-15	2015-16				
Transportation											
RRF	26-16	Chesapeake Expressway Renewals	3,000,000	0	0	0	0	3,000,000	0	3,000,000	0
VDOT	03-12	Grade Crossing Safety Program - II	50,000	50,000	0	0	0	100,000	100,000	200,000	0
VDOT	35-10	Portsmouth Boulevard	1,586,000	0	0	0	0	1,586,000	13,632,000	15,218,000	0
GF	04-12	Repair & Maintenance Roads and Bridges	25,000	0	0	0	0	25,000	65,000	90,000	0
GF	17-13	Repair & Maintenance Roads and Bridges -II	0	25,000	25,000	25,000	25,000	100,000	0	100,000	0
VDOT/TRB	23-06	Route17/Steel Bridge (Dominion Blvd)-Design and Construction	357,826,600	0	0	36,002,400	0	393,829,000	33,833,000	427,662,000	0
Subtotal - Transportation			362,487,600	75,000	25,000	36,027,400	25,000	398,640,000	47,630,000	446,270,000	0
Public Utilities											
RRF-BA-RV	21-14	Battlefield/Centerville Water Main Const. - Phase I	0	3,191,957	0	0	0	3,191,957	450,000	3,641,957	0
BA-RV-Con	22-14	Battlefield/Centerville Water Main Const. - Phase II	0	0	0	0	0	0	464,000	464,000	4,163,664
PUF	12-16	Bainbridge Boulevard Elevated Storage Tank Renovation	0	0	0	0	1,074,997	1,074,997	0	1,074,997	0
BADR	43-12	Centerville Turnpike Loop 3	0	3,086,749	0	0	0	3,086,749	0	3,086,749	0
BADR-RR	27-12	Conduct Sanitary Sewer Evaluation	200,000	200,000	500,000	0	0	900,000	8,415,450	9,315,450	0
PUF	20-14	Deep Creek Pump Station Upgrade	0	0	1,878,123	0	0	1,878,123	232,127	2,110,250	0
PUF-RRF	25-13	Generator Replacement Program	75,000	75,000	0	0	0	150,000	225,000	375,000	0
PUF	25-14	Generator Replacement Program - Phase II	0	0	75,000	75,000	75,000	225,000	0	225,000	150,000
BADR	23-14	Great Bridge Boulevard Water Main - Phase I	0	0	0	2,000,000	2,000,000	4,000,000	0	4,000,000	2,000,000
PUF-RRF	50-12	Laboratory Equipment Replacement - Phase I	100,000	0	0	0	0	100,000	113,852	213,852	0
PUF	18-14	Laboratory Equipment Replacement - Phase II	0	0	100,000	0	100,000	200,000	0	200,000	100,000
PUF-RRF	52-12	Lake Gaston WTP Membrane Rep - Phase I	345,000	0	0	0	0	345,000	1,380,000	1,725,000	0
PUF	21-13	Lake Gaston WTP Membrane Rep - Phase II	0	345,000	345,000	345,000	345,000	1,380,000	0	1,380,000	345,000
PUF	18-15	Maintenance & Operations Equipment Replacement	800,000	750,000	600,000	600,000	600,000	3,350,000	0	3,350,000	0
RRF	53-12	Meter Reading Software	0	0	0	0	0	0	1,316,579	1,316,579	10,000,000
PUF	01-09	NW River Membrane Replacement - Phase III	350,000	350,000	0	0	0	700,000	1,100,000	1,800,000	0
PUF	01-14	NW River Membrane Replacement - Phase IV	0	0	350,000	350,000	350,000	1,050,000	0	1,050,000	700,000
PUF	19-15	Pressure Transducer	100,000	0	0	0	0	100,000	0	100,000	0
PUF	69-12	Pump Station and Wet Well Upgrading-Phase III	300,000	0	0	0	0	300,000	750,000	1,050,000	0
PUF	02-14	Pump Station and Wet Well Upgrading-Phase IV	0	300,000	400,000	400,000	400,000	1,500,000	0	1,500,000	400,000
BADR-BA-RR	39-12	Raw Water Transmission Main	3,000,000	3,000,000	3,000,000	0	0	9,000,000	6,000,000	15,000,000	0
BADR	17-14	Red Top Tank and Raw Water Pump Station	0	0	5,796,370	0	0	5,796,370	0	5,796,370	0
BADR	13-16	Sewer Management Operations & Maintenance	0	0	1,000,000	1,000,000	1,500,000	3,500,000	0	3,500,000	13,000,000
PUF-RRF	30-12	Sewer Renewal - Manhole Inserts	75,000	0	0	0	0	75,000	124,963	199,963	0
PUF	03-14	Sewer Renewal - Manhole Inserts Phase II	0	100,000	100,000	100,000	100,000	400,000	0	400,000	100,000
BADR	33-12	Sewer Renewal - SSES Phase II	2,183,742	0	0	0	0	2,183,742	0	2,183,742	0
BADR	23-13	Sewer Renewal - SSES Phase III	0	3,479,966	3,910,303	3,347,524	6,959,559	17,697,352	0	17,697,352	10,557,390
PUF-RRF	31-12	Sewer System Repairs	250,000	0	0	0	0	250,000	1,446,100	1,696,100	0
PUF	04-14	Sewer System Repairs - Phase II	0	250,000	250,000	250,000	250,000	1,000,000	0	1,000,000	250,000
PUF	26-12	Telemetry Upgrade	150,000	150,000	0	0	0	300,000	280,401	580,401	0
PUF	16-14	Telemetry Upgrade - Phase II	0	0	150,000	150,000	150,000	450,000	0	450,000	300,000
BADR	51-12	Unserved Water & Sewer Areas	6,469,963	2,500,000	0	0	0	8,969,963	0	8,969,963	0

APPROVED CAPITAL BUDGET FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2016

ESTIMATED COST REQUIREMENTS

Exhibit B

Fund Source	Proj #	Project Name	Resource Requirements by Fiscal Year					Total for 5 Years	Previously Appropriated	Total Resources	Future Requirements
			2011-12	2012-13	2013-14	2014-15	2015-16				
Public Utilities, continued											
PUF-RRF	19-14	Violet Street Pump Station Emergency Generator	300,000	0	0	0	0	300,000	50,000	350,000	0
PUF-RRF	71-12	Water Renewals - Waterline Upgrading	550,000	625,000	0	0	0	1,175,000	855,558	2,030,558	0
PUF	14-16	Water Renewals - Waterline Upgrading Phase II	0	0	750,000	750,000	1,000,000	2,500,000	0	2,500,000	0
PUF-RRF	24-12	Water System Renewal	200,000	0	0	0	0	200,000	693,000	893,000	0
PUF	21-15	Water System Renewal, Phase II	0	150,000	200,000	200,000	200,000	750,000	0	750,000	200,000
BADR	15-16	Waters Road Water Main	0	0	0	0	1,198,234	1,198,234	0	1,198,234	0
RRF	24-14	Western Branch Ground Storage Tank Renovation	0	0	0	0	0	0	0	0	1,074,997
Subtotal - Public Utilities			15,448,705	18,553,672	19,404,796	9,567,524	16,302,790	79,277,487	23,897,030	103,174,517	43,341,051
Education											
LB/VP SA	16-16	Boiler Replacements for Butts Road Primary, Indian River MS, and Western Branch MS	497,000	0	0	0	0	497,000	0	497,000	0
LB/VP SA	17-16	Chiller Replacement at Hickory High School	1,047,800	0	0	0	0	1,047,800	0	1,047,800	0
LB/VP SA	18-16	Deep Creek SECEP Building - renovation of facility	0	0	0	11,916,800	0	11,916,800	0	11,916,800	0
LB/VP SA	19-16	HVAC - Partial System Replacements at 7 schools: Truitt Intermediate, Hickory Elem, Great Bridge MS, Hugo Owens MS, Hickory MS, Cedar Road Elem, and Camelot Elem	5,155,500	0	0	0	0	5,155,500	0	5,155,500	0
LB/VP SA	20-16	HVAC Replacement - Oscar Smith HS	5,706,300	0	0	0	0	5,706,300	0	5,706,300	0
LB/VP SA	21-16	HVAC Replacement - Southwestern Elementary	1,592,000	0	0	0	0	1,592,000	0	1,592,000	0
LB/VP SA	22-16	Repaving - Deep Creek Elementary	166,200	0	0	0	0	166,200	0	166,200	0
LB/VP SA	23-16	Roof Replacements at Southwestern Elem, Butts Road Primary, Sparrow Road Intermediate, Deep Creek SECEP, Western Branch Intermediate (partial), Warehouse and Supply Bldg, and School Plant Bldg	6,075,700	0	0	0	0	6,075,700	0	6,075,700	0
LB/VP SA	24-16	Structural Reinforcement at ESC 4-Room Annex	444,300	0	0	0	0	444,300	0	444,300	0
LB	25-16	Technology Upgrade - Deep Creek, Great Bridge, Hickory, Oscar Smith High Schools	0	0	0	791,600	0	791,600	0	791,600	13,458,800
Subtotal - Education			20,684,800	0	0	12,708,400	0	33,393,200	0	33,393,200	13,458,800
TOTAL COSTS			461,074,764	51,802,837	31,864,796	72,289,365	47,383,400	664,415,162	139,498,549	803,913,711	58,799,851

APPROVED CAPITAL BUDGET FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2016

ALLOCATION OF CHESAPEAKE RESOURCES

Exhibit C

Proj #	PROJECT NAME	Requirements for Fiscal Year					Total for 5 Years
		2011-12	2012-13	2013-14	2014-15	2015-16	
Funding Source: General Fund Operating Transfer							
06-16	Enterprise Kronos Upgrade	50,000	0	0	0	0	50,000
15-13	Enterprise Wide Technology Improvements-II	150,000	200,000	0	0	0	350,000
02-12	Facilities - High Priority Renewal/Replacement-II	800,000	0	0	0	0	800,000
02-15	Facilities - High Priority Renewal/Replacement-III	0	800,000	800,000	800,000	800,000	3,200,000
07-16	FCC Narrowbanding Compliance	0	289,100	0	0	0	289,100
61-12	Municipal Parking Lots & Sidewalks	200,000	0	0	0	0	200,000
04-15	Municipal Parking Lots & Sidewalks-II	0	200,000	200,000	200,000	200,000	800,000
04-12	Repair & Maintenance Roads and Bridges	25,000	0	0	0	0	25,000
17-13	Repair & Maintenance Roads and Bridges -II	0	25,000	25,000	25,000	25,000	100,000
10-12	South Norfolk Community Development	25,000	0	0	0	0	25,000
05-15	South Norfolk Community Development-II	0	25,000	25,000	25,000	25,000	100,000
Total General Fund Operating Transfer		1,250,000	1,539,100	1,050,000	1,050,000	1,050,000	5,939,100
Funding Source: Fund Balances Designated for Capital Projects							
62-12	Commerce Park	1,500,000	0	0	0	0	1,500,000
05-16	Disaster Recovery Backup Radio System (Tower Rental)	101,300	0	0	0	0	101,300
27-16	Enterprise Financials PeopleSoft Upgrade	600,000	0	0	0	0	600,000
09-16	General Improvements to Community Centers and Parks	45,125	0	0	0	0	45,125
28-16	Voting Equipment Replacement Project	1,000,000	0	0	0	0	1,000,000
04-16	Western Branch Property Acquisition	1,900,000	0	0	0	0	1,900,000
Total Fund Balance Designated for Capital Projects		5,146,425	0	0	0	0	5,146,425

APPROVED CAPITAL BUDGET FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2016

ALLOCATION OF CHESAPEAKE RESOURCES

Exhibit C

Proj #	PROJECT NAME	Requirements for Fiscal Year					Total for 5 Years
		2011-12	2012-13	2013-14	2014-15	2015-16	
Funding Source: General Fund Balances Designated for Schools							
19-16	HVAC - Partial System Replacements at 7 schools: Truitt Intermediate, Hickory Elem, Great Bridge MS, Hugo Owens MS, Hickory MS, Cedar Road Elem, and Camelot Elem	5,155,500	0	0	0	0	5,155,500
16-16	Boiler Replacements for Butts Road Primary, Indian River MS, and Western Branch MS	497,000	0	0	0	0	497,000
17-16	Chiller Replacement at Hickory High School	1,047,800	0	0	0	0	1,047,800
21-16	HVAC Replacement - Southwestern Elementary	1,592,000	0	0	0	0	1,592,000
23-16	Roof Replacements at Southwestern Elem, Butts Road Primary, Sparrow Road Intermediate, Deep Creek SECEP, Western Branch Intermediate (partial), Warehouse and Supply Bldg, and School Plant Bldg	1,847,200	0	0	0	0	1,847,200
24-16	Structural Reinforcement at ESC 4-Room Annex	444,300	0	0	0	0	444,300
22-16	Repaving - Deep Creek Elementary	166,200	0	0	0	0	166,200
18-16	Deep Creek SECEP Building - renovation of facility	0	0	0	708,400	0	708,400
25-16	Technology Upgrade - Deep Creek, Great Bridge, Hickory, Oscar Smith High Schools	0	0	0	791,600	0	791,600
Total General Fund Balance Designated for Schools		10,750,000	0	0	1,500,000	0	12,250,000
Funding Source: Transfer from Chesapeake Public Schools							
06-16	Enterprise Kronos Upgrade	50,000	0	0	0	0	50,000
Total General Fund Chesapeake Public Schools		50,000	0	0	0	0	50,000
Funding Source: Redirected from Other Projects							
10-16	Combined Fire Station #7/Police Precinct #6	0	0	605,069	0	0	605,069
09-16	General Improvements to Community Centers and Parks	311,899	0	0	0	0	311,899
Total Redirects from Other Projects		311,899	0	605,069	0	0	916,968

APPROVED CAPITAL BUDGET FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2016

ALLOCATION OF CHESAPEAKE RESOURCES

Exhibit C

Proj #	PROJECT NAME	Requirements for Fiscal Year					Total for 5 Years
		2011-12	2012-13	2013-14	2014-15	2015-16	
Funding Source: Greenbrier TIF Cash							
14-10	GB TIF - Conference Center District	1,114,917	0	0	0	0	1,114,917
13-12	GB TIF - Greenbrier Center District	0	0	0	523,041	0	523,041
18-12	GB TIF - Municipal District	0	5,000,000	0	0	0	5,000,000
18-13	GB TIF - Woodlake Drive Extension	1,500,000	0	0	0	0	1,500,000
Total Greenbrier TIF - Cash		2,614,917	5,000,000	0	523,041	0	8,137,958
Funding Source: South Norfolk TIF Cash							
20-12	SoNo TIF - Library Replacement	500,000	0	0	0	0	500,000
Total South Norfolk TIF - Cash		500,000	0	0	0	0	500,000
Funding Source: Developer Proffers							
11-16	Fire Department Logistics Support Center	380,465	0	0	0	0	380,465
08-14	Facilities - Library Renewal/Replacement	390,418	0	0	0	0	390,418
Total Developer Proffers		770,883	0	0	0	0	770,883
Funding Source: VDOT Reimbursements							
03-12	Grade Crossing Safety Program-II	50,000	50,000	0	0	0	100,000
35-10	Portsmouth Boulevard	1,586,000	0	0	0	0	1,586,000
23-06	Route17/Steel Bridge (Dominion Blvd)-Design and Construction*	49,769,800	0	0	0	0	49,769,800
* Part or all FY 12 state funding may come from Virginia Transportation Infrastructure Bank requiring repayment from toll proceeds.							
Total VDOT Reimbursement		51,405,800	50,000	0	0	0	51,455,800

APPROVED CAPITAL BUDGET FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2016
ALLOCATION OF CHESAPEAKE RESOURCES

Exhibit C

Proj #	PROJECT NAME	Requirements for Fiscal Year					Total for 5 Years
		2011-12	2012-13	2013-14	2014-15	2015-16	
Funding Source: Revenue Bonds - Transportation (backed by toll revenue)							
23-06	Route17/Steel Bridge (Dominion Blvd)-Design and Construction	308,056,800	0	0	36,002,400	0	344,059,200
Total Revenue Bonds - Transportation (backed by toll revenue)		308,056,800	0	0	36,002,400	0	344,059,200
Funding Source: Stormwater Management Fund							
73-12	BMP Restoration Citywide	200,000	300,000	400,000	400,000	400,000	1,700,000
02-13	Chesapeake Dr. Drainage Improvements	0	800,000	0	0	0	800,000
03-16 City Wide Outfall Re-grading & Restoration		200,000	200,000	200,000	200,000	200,000	1,000,000
68-12	City Wide Undesignated Drainage - II	760,000	0	0	0	0	760,000
07-15	City Wide Undesignated Drainage - III	0	500,000	765,000	500,000	800,000	2,565,000
72-12	Colony Manor Outfall Improvements	0	0	415,000	0	0	415,000
04-10	Cooper's Ditch Dredging	0	2,000,000	0	0	0	2,000,000
04-13	D Street Drainage Improvements	0	0	370,000	0	0	370,000
07-13	Lamberts Trail Area Drainage Improvements	1,100,000	0	0	0	0	1,100,000
05-12	Neighborhood Drainage Improvements	500,000	0	0	0	0	500,000
08-15	Neighborhood Drainage Improvements II	0	500,000	500,000	500,000	500,000	2,000,000
09-15	Oakdale Area BMP & Drainage Improvements	0	0	0	0	500,000	500,000
09-13	Prince Edwards Drive Outfall Improvements	0	0	600,000	0	0	600,000
10-13	Royce Drive Drainage Improvements	0	0	550,000	0	0	550,000
77-12	Shillelagh Road Drainage Outfall Improvements	0	0	0	0	200,000	200,000
11-13	Shorewood Area Drainage Improvements	540,000	0	0	0	0	540,000
06-12	Stormwater Inventory Mapping & Master Drain Plan II	200,000	200,000	200,000	0	0	600,000
10-15	Stormwater Inventory Mapping & Master Drain Plan III	0	0	0	200,000	200,000	400,000
05-14	Stormwater Quality Program (VPDES Permit Compliance)	2,500,000	1,500,000	2,000,000	0	0	6,000,000
11-15	Stormwater Quality Program II (VPDES Permit Compliance II)	0	0	0	2,000,000	2,000,000	4,000,000
13-13	Sunray Outfall Re-Grading	0	0	0	0	1,200,000	1,200,000
80-12	Washington Manor Drainage Outfall Improvements	0	0	0	2,200,000	0	2,200,000
Total Stormwater Management Fund		6,000,000	6,000,000	6,000,000	6,000,000	6,000,000	30,000,000

APPROVED CAPITAL BUDGET FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2016
ALLOCATION OF CHESAPEAKE RESOURCES

Exhibit C

Proj #	PROJECT NAME	Requirements for Fiscal Year					Total for 5 Years
		2011-12	2012-13	2013-14	2014-15	2015-16	
Funding Source: Public Utilities Borrowing Authority Revenue Supported							
43-12	Centerville Turnpike Loop 3	0	3,086,749	0	0	0	3,086,749
27-12	Conduct Sanitary Sewer Evaluation	200,000	200,000	500,000	0	0	900,000
23-14	Great Bridge Boulevard Water Main - Phase I	0	0	0	2,000,000	2,000,000	4,000,000
39-12	Raw Water Transmission Main	3,000,000	3,000,000	3,000,000	0	0	9,000,000
17-14	Red Top Tank and Raw Water Pump Station	0	0	5,796,370	0	0	5,796,370
13-16	Sewer Management Operations and Maintenance	0	0	1,000,000	1,000,000	1,500,000	3,500,000
33-12	Sewer Renewal - SSES Phase II	2,183,742	0	0	0	0	2,183,742
23-13	Sewer Renewal - SSES Phase III	0	3,479,966	3,910,303	3,347,524	6,959,559	17,697,352
51-12	Unserved Water & Sewer Areas	6,469,963	2,500,000	0	0	0	8,969,963
15-16	Waters Road Water Main	0	0	0	0	1,198,234	1,198,234
Total Public Utilities Borrowing Authority Revenue Supported		11,853,705	12,266,715	14,206,673	6,347,524	11,657,793	56,332,410
Funding Source: Public Utilities Fund Balance							
21-14	Battlefield/Centerville Water Main Const. - Phase I	0	3,191,957	0	0	0	3,191,957
12-16	Bainbridge Boulevard Elevated Storage Tank Renovation	0	0	0	0	1,074,997	1,074,997
20-14	Deep Creek Pump Station Upgrade	0	0	1,878,123	0	0	1,878,123
25-13	Generator Replacement Program	75,000	75,000	0	0	0	150,000
25-14	Generator Replacement Program - Phase II	0	0	75,000	75,000	75,000	225,000
50-12	Laboratory Equipment Replacement - Phase I	100,000	0	0	0	0	100,000
18-14	Laboratory Equipment Replacement - Phase II	0	0	100,000	0	100,000	200,000
52-12	Lake Gaston WTP Membrane Rep - Phase I	345,000	0	0	0	0	345,000
21-13	Lake Gaston WTP Membrane Rep - Phase II	0	345,000	345,000	345,000	345,000	1,380,000
18-15	Maintenance & Operations Equipment Replacement	800,000	750,000	600,000	600,000	600,000	3,350,000
01-09	North West River Membrane Replacement - Phase III	350,000	350,000	0	0	0	700,000
01-14	North West River Membrane Replacement - Phase IV	0	0	350,000	350,000	350,000	1,050,000
19-15	Pressure Transducer	100,000	0	0	0	0	100,000

APPROVED CAPITAL BUDGET FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2016
ALLOCATION OF CHESAPEAKE RESOURCES

Exhibit C

Proj #	PROJECT NAME	Requirements for Fiscal Year					Total for 5 Years
		2011-12	2012-13	2013-14	2014-15	2015-16	
Funding Source: Public Utilities Fund Balance, continued							
69-12	Pump Station and Wet Well Upgrading-Phase III	300,000	0	0	0	0	300,000
02-14	Pump Station and Wet Well Upgrading-Phase IV	0	300,000	400,000	400,000	400,000	1,500,000
30-12	Sewer Renewal - Manhole Inserts	75,000	0	0	0	0	75,000
03-14	Sewer Renewal - Manhole Inserts Phase II	0	100,000	100,000	100,000	100,000	400,000
31-12	Sewer System Repairs	250,000	0	0	0	0	250,000
04-14	Sewer System Repairs - Phase II	0	250,000	250,000	250,000	250,000	1,000,000
26-12	Telemetry Upgrade	150,000	150,000	0	0	0	300,000
16-14	Telemetry Upgrade - Phase II	0	0	150,000	150,000	150,000	450,000
19-14	Violet Street Pump Station Emergency Generator	300,000	0	0	0	0	300,000
71-12	Water Renewals - Waterline Upgrading	550,000	625,000	0	0	0	1,175,000
14-16	Water Renewals - Waterline Upgrading Phase II	0	0	750,000	750,000	1,000,000	2,500,000
24-12	Water System Renewal	200,000	0	0	0	0	200,000
21-15	Water System Renewal, Phase II	0	150,000	200,000	200,000	200,000	750,000
Total Public Utilities Fund Balance		3,595,000	6,286,957	5,198,123	3,220,000	4,644,997	22,945,077
Funding Source: Borrowing Authority - Unissued							
10-16	Combined Fire Station #7/Police Precinct #6	0	0	4,931	6,438,000	0	6,442,931
11-16	Fire Department Logistics Support Center	251,535	0	0	0	0	251,535
07-11	Fire Station #10	735,000	6,438,000	0	0	0	7,173,000
01-16	Mosquito Control Facilities Relocation	3,828,000	0	0	0	0	3,828,000
08-16	Project 25 Radio System (Leases)	0	4,801,674	4,800,000	0	0	9,601,674
02-16	Solid Waste Facilities Relocation	2,170,000	0	0	0	0	2,170,000
39-14	Public Safety EOC/EDC/Back-up Network Ops Center	31,050,000	0	0	0	0	31,050,000
Total Borrowing Authority-Unissued		38,034,535	11,239,674	4,804,931	6,438,000	0	60,517,140

APPROVED CAPITAL BUDGET FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2016

ALLOCATION OF CHESAPEAKE RESOURCES

Exhibit C

Proj #	PROJECT NAME	Requirements for Fiscal Year					Total for 5 Years
		2011-12	2012-13	2013-14	2014-15	2015-16	
Funding Source: Borrowing Authority backed by Greenbrier TIF							
13-12	GB TIF - Greenbrier Center District	0	0	0	0	8,030,610	8,030,610
18-12	GB TIF - Municipal District Improvements including Park and Activity Center	0	9,420,391	0	0	0	9,420,391
18-13	GB-TIF Woodlake Drive Extension	7,800,000	0	0	0	0	7,800,000
Total Borrowing Authority backed by Greenbrier TIF Revenues		7,800,000	9,420,391	0	0	8,030,610	25,251,001
Funding Source: Borrowing Authority backed by South Norfolk TIF							
21-12	SoNo TIF - Village Center Improvements	0	0	0	0	16,000,000	16,000,000
Total Borrowing Authority backed by South Norfolk TIF Revenue		0	0	0	0	16,000,000	16,000,000
Funding Source: VPSA Borrowing							
18-16	Deep Creek SECEP Building - renovation of facility	0	0	0	11,208,400	0	11,208,400
20-16	HVAC Replacement - Oscar Smith HS	5,706,300	0	0	0	0	5,706,300
23-16	Roof Replacements at Southwestern Elem, Butts Road Primary, Sparrow Road Intermediate, Deep Creek SECEP, Western Branch Intermediate (partial), Warehouse and Supply Bldg, and School Plant Bldg	4,228,500	0	0	0	0	4,228,500
Total VPSA Borrowing		9,934,800	0	0	11,208,400	0	21,143,200
Funding Source: Chesapeake Expressway Renewal and Replacement Fund							
26-16	Chesapeake Expressway Renewals	3,000,000	0	0	0	0	3,000,000
Total Chesapeake Renewal and Replacement Fund		3,000,000	0	0	0	0	3,000,000
TOTAL RESOURCES		461,074,764	51,802,837	31,864,796	72,289,365	47,383,400	664,415,162

APPROVED CAPITAL BUDGET FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2016

COST IMPACT OF CAPITAL PROJECTS COMING ON LINE

Exhibit D

Project Number and Description		Resource Requirements by Fiscal Year					Impact on Operations	Revenue Generated	Net Impact on Operating Budget
		2011-12	2012-13	2013-14	2014-15	2015-16			
<u>Economic Development</u>									
18-12	GB TIF - Municipal District	0	294,209	3,713,435	3,738,086	3,972,928	11,718,658	12,631,875	913,217
20-12	SoNo TIF - Library Replacement	58,768	59,943	61,142	62,976	64,550	307,379	0	(307,379)
<i>Subtotal - Economic Development</i>		58,768	354,152	3,774,577	3,801,062	4,037,478	12,026,037	12,631,875	605,838
<u>Information Technology</u>									
05-16	Disaster Recovery Backup Radio System	4,560	4,560	4,560	4,560	4,560	22,800	0	(22,800)
07-16	FCC Narrowbanding Compliance	0	600	1,200	1,200	1,200	4,200	0	(4,200)
<i>Subtotal - Information Technology</i>		4,560	5,160	5,760	5,760	5,760	27,000	0	(27,000)
<u>Public Safety</u>									
10-16	Combined Fire Station #7/Police Precinct #6	0	0	475,589	951,176	951,176	2,377,941	0	(2,377,941)
11-16	Fire Department Logistics Support Center	0	52,600	52,600	52,600	52,600	210,400	0	(210,400)
07-11	Fire Station #10	0	0	34,400	68,800	68,800	172,000	0	(172,000)
14-14	Jail HVAC/Energy Retrofit	200,000	400,000	400,000	400,000	400,000	1,800,000	0	(1,800,000)
39-14	Public Safety EOC/EDC/Back-up Network Ops Ctr	0	0	433,400	433,400	433,400	1,300,200	0	(1,300,200)
<i>Subtotal - Public Safety</i>		200,000	452,600	1,395,989	1,905,976	1,905,976	5,860,541	0	(5,860,541)
TOTAL COSTS		263,328	811,912	5,176,326	5,712,798	5,949,214	17,913,578	12,631,875	(5,281,703)

Projects which will have operational costs covered by designated revenues such as utility fees or tolls are not reflected in the above information.

APPROVED CAPITAL BUDGET FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2016

UNFUNDED PROJECTS

Exhibit E

CRITICAL TO FUND IN FIVE YEARS FY 2011-12 to FY 2015-16

Project Rank	PROJECT NAME	TOTAL COST	ANNUAL OPERATING COST
	<u>Community Facilities</u>		
3	Municipal Center Master Plan Update	\$ 296,100	0
1	Public Health Center/Health Department Expansion	\$ 6,880,377	611,000
1	Human Services Bldg 2nd Floor Alterations	\$ 1,100,000	0
	<u>Subtotal-Community Facilities</u>	\$ 8,276,477	\$611,000
	<u>Community Facilities-Drainage</u>		
14	Whittamore Rd. Drainage Improv.	\$ 900,000	0
	<u>Subtotal-Community Facilities-Drainage</u>	\$ 900,000	\$0
	<u>Parks and Recreation</u>		
1	Ball Field Lighting and Renovations	\$ 2,061,207	\$0
2	New Park Development-Land Acquisition	\$ 2,742,182	0
	<u>Subtotal-Parks and Recreation</u>	\$ 4,803,389	\$0
	<u>Public Safety</u>		
1	Jail Expansion * cost may vary depending upon options	\$ 225,500,000	1,011,836
2	Joint Public Safety Training Center - Construction	\$ 58,500,000	500,000
3	Joint Public Safety Training Center - Land Acquisition	\$ 9,000,000	0
5	Relocate Deep Creek Fire Station #8 - Construction	\$ 5,181,750	37,978
6	Relocate Fentress Fire Station #6 - Land Acquisition	\$ 518,175	0
7	Relocate Fentress Fire Station #6 - Construction	\$ 5,181,750	37,978
8	Retrofit Older Fire Stations for Habitability	\$ 834,015	0
9	New Fire Station 16 - Construction	\$ 5,181,750	1,395,964
10	New Fire Station 17 - Construction	\$ 5,181,750	1,395,964
11	New Fire Station 17 - Land Acquisition	\$ 493,500	0
12	New Fire Station 18 - Construction	\$ 5,181,750	1,395,964
2	Police Evidence Building Storm Hardening	\$ 500,000	12,500
3	Police Precinct #7 (Deep Creek)	\$ 3,896,676	56,279
	<u>Subtotal-Public Safety</u>	\$ 325,151,116	\$5,844,463
	<u>Public Utilities</u>		
	<u>Reliability & Redundancy</u>		
	Lake Gaston water treatment plant upgrade to 10 mgd	\$ 6,276,000	0
	Rehab & upgrade Deep Creek ground storage tank	\$ 3,582,306	0
	Riverbank filtration study	\$ 175,000	0
	<u>Distribution Improvement</u>		
	Great Bridge Blvd transmission main phase ii	\$ 5,832,430	5,115
	Waters Road 10" water main	\$ 822,146	2,104
	<u>Renewal & Replacement</u>		
	Elbyrne Drive water & sewer	\$ 2,155,000	0
	Raleigh Place sewer (pump station #7)	\$ 3,403,000	0
	Associated sewer with Hampton Roads Sanitation District (HRSB) gravity	\$ 5,000,000	0
	Sewer renewal phase IV including but not limited to:	\$ 60,000,000	0
	Station House Road force main		
	Pump Station #70 force main		
	Stalham Road - Border to Menands		
	Terry Drive - Radcliff to Brittany		
	Battlefield Boulevard North - Kempsville to Oak Grove connector		
	Bethel Road - Algona to Harling		
	Commerce Avenue		

APPROVED CAPITAL BUDGET FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2016

UNFUNDED PROJECTS

Exhibit E

CRITICAL TO FUND IN FIVE YEARS FY 2011-12 to FY 2015-16

Project Rank	PROJECT NAME	TOTAL COST	ANNUAL OPERATING COST
	Water renewals - waterline upgrading phase III	\$ 12,000,000	0
	Sewer renewal - manhole inserts phase III	\$ 400,000	0
	Sewer system repairs phase III	\$ 1,000,000	0
	Telemetry upgrade phase III	\$ 450,000	0
	Water system repair phase III	\$ 800,000	0
	Generator replacement program phase III	\$ 225,000	0
	Maintenance & Operations equipment replacement phase II	\$ 3,000,000	0
	Pump station and wet well upgrading phase V	\$ 1,600,000	0
	Subtotal-Public Utilities	\$ 106,720,882	\$7,220
	Education		
1	Technology Upgrade: Deep Creek High School	\$ 3,776,600	0
2	Technology Upgrade: Great Bridge High School	\$ 3,776,600	0
3	Technology Upgrade: Hickory High School	\$ 3,776,600	0
4	Technology Upgrade: Oscar Smith High School	\$ 3,776,600	0
5	Consultant Facility Condition Inspections: Carver Intermediate	\$ 120,000	0
7	Modernization: Crestwood Middle School (Design)	\$ 2,892,700	0
	Subtotal - Education	\$ 18,119,100	\$0
	Total Unfunded Critical	\$ 463,970,964	\$6,462,683

**Note: The projects listed above are the most critical based on information available when the Capital Improvement Plan (CIP) is developed and are scheduled to begin in the first year and carry over into the second year of the CIP. This critical list is subject to change based on the condition and timely funding necessary for the replacement of the mechanical and structural components listed in the projects above. It is not a comprehensive list of all projects in the CIP and does not include all projects in year two of the Capital Improvement Plan.*

APPROVED CAPITAL BUDGET FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2016

UNFUNDED PROJECTS

Exhibit E

OTHER PROJECT NEEDS

UNFUNDED PROJECT NAME (Non-Critical)	TOTAL COST	ANNUAL OPERATING COST
<u>Community Facilities</u>		
Art Education and Performance Hall	\$27,670,545	\$757,098
City Facilities Needs Assessment & Master Plan	424,410	0
Crestwood Area Library	6,477,187	752,930
General District Courtroom Buildout	1,761,795	135,316
Housing for Community Services Board Clients	1,151,730	61,449
Parking Garage	18,654,300	37,389
Records Storage Facility	1,648,290	43,018
WCTV 48 Studio Building	7,430,629	79,521
<i>Subtotal - Community Facilities</i>	\$65,218,886	\$1,866,721
<u>Community Facilities - Drainage</u>		
<u>Rehab Projects</u>		
1700 Shell Road. Pipe Replacement	451,200	0
Boxwood Area Outfall Replacement	1,300,000	0
Chadwycks Terrace Area	823,000	0
Deep Creek Landing	512,000	0
Georgetown Area pipe system replacement & upgrade	2,000,000	0
Indian River Homes Area	600,000	0
Liberty St. Pipe system replacement & Outfall Improv.	900,000	0
Outfall Dredging Citywide	5,500,000	0
Plummer Plantation	800,000	0
Road Crossing Imp & Elevation Citywide (Dock Landing Rd.)	3,300,000	0
Stormwater Lakes / BMP Dredging and Enhancement	8,800,000	0
Tyre Neck / WBI school's outfall pipe replacement & upgrade	800,000	0
Varsity Manor	975,000	0
<u>System Capacity Improvements</u>		
1402 Gust Lane	174,250	0
1500 Block Oleander Avenue	215,050	0
2220 Battlefield Boulevard. S.	98,010	0
4508 Military Highway. S.	160,500	0
5288 Libertyville Roadside Ditch	99,000	0
Acquisition of Repetitive Loss Property (Grant Match)	825,000	0
Akron Avenue Drainage Improvements	603,240	0
Allen Drive	106,590	0
Avebury Way	250,580	0
Battlefield Boulevard South / Railroad Track Crossing Upgrade	399,410	0
Battlefield Boulevard to Military Highway Off Ramp	54,120	0
Beech Street	231,660	0
Beuregard Subdivision Improvements	726,440	0
Bridgefield Subdivision Drainage Improvements	614,680	0
Broadmoore Area Drainage Improv.	1,200,000	0
Camelot Area Drainage Improvements Phase II	1,200,000	0
Capri Circle Roadside Ditches	22,660	0
Carawan Lane Drainage Improvements	206,800	0
Cedar Road Crossing Elevation by Autumn Care	104,500	0
Cedarville Road	293,700	0
Cedarville Road Outfall Drainage Improvements	1,161,600	0
Chapel Avenue Drainage Improvements	104,830	0
Conrad Avenue	389,730	0

UNFUNDED PROJECT NAME (Non-Critical)	TOTAL COST	ANNUAL OPERATING COST
Cranston Drive Pipe Replacement	140,810	0
Crystal Avenue	154,990	0
Drum Creek Farms Phase II	1,425,270	0
Englewood Drive/ Redwood Dr. Area Drainage Improvements	242,670	0
Flagg Road Area Drainage Improv.	2,479,510	0
Fresno Drive Roadside Ditches	363,000	0
Galberry Road Outfall Phase II	1,210,000	0
Gale Avenue	2,000,000	0
Great Bridge Acres Drainage	460,570	0
Haledon Road Outfall Ditch	154,560	0
Herring Ditch Improvements	23,062,600	0
Hickory Ridge Subdivision	189,860	0
Hillwell Road	372,790	0
Homemont Drainage Phase II	2,028,620	0
Horse Run Ditch West	922,900	0
Ilex Street/Snowberry Lane	97,020	0
Indian Creek Road Crossing Improvements	680,900	0
Jarvis Road /Gruen Drive Outfall Improv.	800,000	0
John Hudgins Avenue	178,540	0
John Koon Lane Roadside Ditch	273,360	0
King James Colony Outfall Improvements	1,284,140	0
Loxley Gardens Phase II	981,700	0
Marlboro Street / Culpepper Avenue Drainage Improvements	221,980	0
Milby Drive	148,280	0
Nina Drive Area Drainage Improvements	390,200	0
Norcova Estates Drainage Improvements	1,054,570	0
Oak Point Drainage Improvements	612,480	0
Oakdale Area Improvements	5,000,000	0
Oaklette Drive Curb & Gutter	152,240	0
Old Pughsville Road	419,650	0
Parkview Area	600,000	0
Parr Lane / Maude Street	95,000	0
Phyllis Drive Drainage Improvements	722,590	0
Portlock Area Phase II	385,000	0
Portlock Road	98,780	0
Quail Avenue Drainage Improvements	101,200	0
Raven Road Outfall Improvements	950,400	0
River Drive Drainage Improvements	93,000	0
Roger Rd./ Stuben St. Outfall Improv.	300,000	0
Rutgers Avenue Drainage Improvements	550,110	0
Schoolhouse Road Drainage Improvements	97,000	0
Shillelagh Road Outfall / New Mill Creek Easement Acquisition	200,000	0
Shipyards Road & Parkview	660,000	0
St. Brides Outfall / Bypass Improvements	1,100,000	0
State Street	480,810	0
Sterns Creek / Channel Improvement	1,226,500	0
Stonebridge Landing W. BMP/ Stormceptor	192,500	0
Tyre Neck Road Crossing Improvements	1,200,000	0
Wesley Road Ditch Regrading & Outfall Improv.	223,375	0
West Road Area Drainage	600,600	0
Whittamore Road Drainage Improvements	800,000	0
Willis Street	550,000	0
Willowwood Drive Outfall Ditch Re-Grading Project	95,000	0
Wise Lane Crossing Improvements	550,000	0

UNFUNDED PROJECT NAME (Non-Critical)	TOTAL COST	ANNUAL OPERATING COST
Subtotal - Community Facilities - Drainage	\$95,378,625	\$0
<u>Economic Development</u>		
Economic Development Opportunity Area Study	\$150,000	\$0
Subtotal- Economic Development	\$150,000	\$0
<u>Information Systems</u>		
Enterprise Financials People Tools Upgrade	276,892	0
<u>800 MHz Strategic Enterprise Projects</u>		
Microwave Radio System Upgrade	10,100,430	220,000
Subtotal- Information Systems	\$10,377,322	\$220,000
<u>Parks and Recreation</u>		
Campostella Square Day Care Center	\$2,542,232	\$146,205
Campostella Square Natatorium	8,569,320	467,857
Centerville Turnpike Park Phase II	4,570,304	150,000
Subtotal- Parks and Recreation	\$15,681,856	\$764,062
<u>Transportation</u>		
<u>New Capacity/Roadways</u>		
Airport Access Road Extension	\$12,057,017	\$0
Bainbridge Blvd - Great Bridge Blvd to Freeman Ave	8,206,542	0
Battlefield Blvd - Gallbush Rd to Indian Creek Rd	16,745,366	0
Battlefield Blvd - Hanbury Rd to Johnstown Rd	5,663,445	0
Bruce Rd- Taylor Rd to Tyre Neck Rd	12,657,284	0
Butts Station Rd - Kempsville Rd to Centerville Turnpike	10,214,182	0
Cahoon Parkway - Cedar Rd to Grassfield Pkwy	1,421,021	0
Cahoon Parkway - Grassfield Pkwy to Scenic Pkwy	11,863,018	0
Campostella Road - Battlefield Blvd to Providence Rd	3,041,062	0
Cedar Rd - Briarfield Rd to Battlefield Blvd	3,879,425	0
Centerville Tnpg - Elbow Rd to VB City Line	6,874,930	0
Elizabeth Harbor Dr Extension	4,673,332	0
Etheridge Manor Blvd - Hillwell Rd to Centerville Turnpike	7,000,159	0
George Washington Hwy-Military Hwy to Canal Drive	4,232,927	0
Great Bridge Blvd - Riverwalk to Battlefield	8,937,409	0
Greenbrier Pkwy - Kempsville Rd to Volvo Pkwy	16,906,757	0
Greentree Road - Battlefield Blvd to Kempsville Rd	9,223,284	0
Gum Road - Gum Road to Portsmouth Blvd	6,710,370	0
Hanbury Road	13,216,066	0
Hillcrest Parkway Extension - East to Centerville	19,473,440	0
Hillcrest Parkway Extension - West to Johnstown	8,574,644	0
Johnstown Rd - Hanbury to Parker Rd	2,948,040	0
Johnstown Rd - Hillcrest Pkwy to Hanbury Rd	10,234,022	0
Jolliff Woods Connection to Portsmouth Blvd	13,727,821	0
Military Highway- I-464 to Battlefield Blvd	2,749,310	0
Military Hwy, Bainbridge to VB City Line	42,505,040	0
Military Hwy, George Washington to Bainbridge	29,865,876	0
Millville Road Improvements, Cedar Rd to Moses Grandy	6,947,547	0
Mount Pleasant Road- Etheridge Rd to Centerville Tnpg	19,684,590	0
Old Greenbrier Rd Improvements - North	3,400,412	0
Old Greenbrier Rd Improvements - South	9,035,692	0
Old Mill Road - Weiss Lane to Mill Creek Pkwy	1,758,834	0
Peek Trail Extension	6,559,278	0
Robert Hall Extension	12,067,609	0
Terwillinger Rd Improvements - Cedar to Moses Grandy Trail	2,997,030	0
Tyre Neck Rd.- Bruce to Portsmouth City Line	11,718,323	0
Volvo Pkwy - West Extension	4,192,590	0

UNFUNDED PROJECT NAME (Non-Critical)	TOTAL COST	ANNUAL OPERATING COST
Wards Road - Connector to Cahoon Pkwy	6,982,727	0
Waters Rd - Old Vintage to Johnstown Rd	15,445,295	0
Waters Rd.- N. Washington to Old Vintage Rd	11,228,893	0
<u>New Capacity/Intersections</u>		
Bainbridge/Franklin/Kay Street	421,516	0
Bainbridge/Freeman Intersection Improvements	1,077,269	0
Battlefield Blvd/ Kempsville Rd/Great Bridge Blvd Intersection Phase II	5,629,019	0
Battlefield Blvd/ Kempsville Rd/Great Bridge Blvd Intersection Phase III	2,860,849	0
Battlefield Blvd/Volvo Urban Interchange	27,394,625	0
Battlefield/Benefit Rd Intersection	556,927	0
Battlefield/Gallbush Rd Intersection	235,721	0
Centerville Tnpg/ Head of River Rd/ Hickory Road East Realignment	2,786,236	0
Dominion Blvd/Cedar Road Interchange	49,493,589	0
Dominion Blvd/Great Bridge Blvd Interchange	49,868,807	0
Galberry Rd/Military Hwy Intersection Improvements	1,688,243	0
George Washington Hwy/Gilmerton Rd - LTL's on Gilmerton	213,192	0
Military Hwy ramps with I-64 near Cavalier Blvd	3,068,240	0
Military Hwy S./George Washington Hwy Intersection Improvements	10,497,009	0
Military Hwy/Sparrow Rd Improvements	1,018,343	0
Mt Pleasant Interchange	24,892,864	0
Woodlake Dr/Greenbrier Pkwy	2,091,960	0
<u>Bridges</u>		
22nd Street Overpass	19,229,918	0
Centerville Turnpike Bridge Replacement & Road Widening	69,419,255	0
Centerville Turnpike Bridge Replacement Feasibility Study	426,384	0
New Mathues at Fentress Airfield Road	586,278	0
Sunray Overpass	4,225,922	0
Triple Decker - Rehabilitation Only	2,345,112	0
<u>Geometric Improvements</u>		
George Washington Hwy relocated - MGT to 17 S. (adjacent Hugo Owens Middle School)	7,267,784	0
Gilmerton Road Curve Realignment Phase I	2,700,422	0
Gilmerton Road Curve Realignment Phase II	760,777	0
Gum Rd Curve Realignment	2,931,390	0
Old Mill Rd Curve Realignment	1,849,202	0
Rural Road Curve Realignments: Sanderson Rd	367,430	0
Rural Road Curve Realignments: Ballahack Rd/Conway	796,190	0
Rural Road Curve Realignments: Backwoods/Ballahack	1,314,942	0
Rural Road Curve Realignments: Benefit @ 2500	1,975,631	0
Rural Road Curve Realignments: Ballahack @ 4800	3,031,272	0
<u>Traffic Signals</u>		
Battlefield at Knells Ridge	15,989	0
Battlefield Blvd at Campostella Road	15,989	0
Battlefield Blvd at Robert Hall Blvd	15,989	0
Battlefield Blvd at Walmart Way	15,989	0
Bruce Rd at Miars Green	257,962	0
Corridor/Intersection Retiming	879,417	0
Etheridge Manor Blvd-Hillwell Road	15,989	0
Greenbrier Pkwy at Kempsville Rd	15,989	0
Plantation Lakes E and Volvo Pkwy	257,962	0
<u>Ditch and Shoulder Improvements</u>		
Battlefield Boulevard South	2,415,259	0
Centerville Tnpg South Improvements	4,496,179	0
Elbow Rd Improvements	10,731,438	0

UNFUNDED PROJECT NAME (Non-Critical)	TOTAL COST	ANNUAL OPERATING COST
Johnstown Rd Phase II (1994 RBR)	2,077,895	0
Parker Rd Shoulder Improvements	1,431,828	0
Shipyards Rd Improvements	9,176,460	0
Shillelagh Rd - Benefit to Dominion	14,736,346	0
<u>Sidewalk Improvements</u>		
Campostella Road - Military Hwy to Battlefield Blvd	0	0
Campostella Rd - Military to Battlefield	0	0
Cedar Road - Lighthouse Point to Country Club Blvd	175,883	0
Citywide Sidewalk Improvements	586,278	0
Great Bridge Blvd - CSB to 168 on Southside	694,249	0
Great Bridge Blvd - CSB to 168 on Northside	280,827	0
Etheridge Manor Blvd - River Gate Rd to Hillwell Rd	519,325	0
Park Ave - North side between Hull and Stewart R/W exists	0	0
<u>Miscellaneous</u>		
Stillwater Farms Soundwall	942,031	0
<u>Subtotal-Transportation</u>	\$758,398,203	\$0
<u>Public Utilities</u>		
Modify Manganese Contactor NWR Treatment Plant	\$135,579	\$0
Riverbank Filtration Study	175,000	0
Upgrade Lake Gaston Treatment Plant to 20 MGD	48,039,642	0
Greenbrier Water Storage Tank	4,770,000	0
<u>Storm Hardening</u>		
Fuel Storage Tank @ Western Branch Pump Station	135,579	0
Generator @ Violet Street Tanks	186,821	0
New Generators at Field Facilities	69,391	0
Run-Dry Submersible Pumps	800,661	0
<u>Distribution Improvement</u>		
Centerville Turnpike Loop 4 (Butts Station To Mill Pond Forest)	3,052,876	5,386
Deep Creek Loop 1 (Rt. 17 To DC Blvd)	379,547	1,120
Deep Creek Water Main Loop 2 (Gust To DC Blvd)	342,609	1,020
Deep Creek Water Main Loop 3	1,411,752	3,445
36" Finished Water Transmission Pipe	69,390,594	47,190
Fentress Area Tank And Pump Station	4,955,035	0
Moneypoint River Crossing Transmission Main	1,544,041	1,447
<u>Renewal & Replacement</u>		
Annette St. - 1960	17,615	0
Arbor Cr. - All (1955)	23,486	0
Ardmore Cir. - 1959	11,743	0
Arlington Ave. (1947) West Of Wingfield	20,550	0
Armor Lane (1968) All	35,229	0
Battlefield Blvd. N Sewer -Kempsville To Oak Grove Connector	106,755	0
Belton Rd. - All (1955)	38,165	0
Berkeley Ave. (1955)	493,207	0
Bethel Road Sewer(1954)-Algona Rd To Harling Dr	544,449	0
Border Ct. - All 1955	17,615	0
Buff St. - 1959	17,615	0
Burnside Place (1971)	93,944	0
Bypassed Sewer Areas (2000 Study)	71,365,557	0
Bypassed Water Areas (2000 Study)	21,884,726	0
Candlewood Ct. - All 1972	17,615	0
Capital Ave. (1971)	49,908	0
Cascade Blvd. Sewer (1935)-Liberty To Railroad Tracks	117,430	0
Cayce Dr. 1955	117,430	0
Cayce Cir. - All 1955	17,615	0

UNFUNDED PROJECT NAME (Non-Critical)	TOTAL COST	ANNUAL OPERATING COST
Cayce Ct. - All 1955	23,486	0
Chesapeake Cir. - 1959	17,615	0
Citizen Cir. (1969) All	58,715	0
Cherryhill Lane-All (1969)	52,844	0
Chesapeake Ct. - 1959	11,743	0
Cleona Dr. - All 1955	132,696	0
Coachman Dr. (1968) Allison To Dead End	52,844	0
Cobblestone Ct. (1962) All	38,165	0
Crown Ct.-All (1962)	46,972	0
Crown Cres.-(1962) Longdale To Dead End	26,422	0
Crystal Ave - Landsworth To Berkley (1935) Sewer	165,470	0
Delta Ct.- All (1962)	29,358	0
Dent Pl.-All (1962)	32,293	0
Drayton Ct. - All 1955	20,550	0
Drayton Rd. - All 1955	129,173	0
Dunbarton Ct. - All (1968)	20,550	0
Dunbarton-(1962) Longdale To Dead End	46,972	0
Earley St. - All (1976)	35,229	0
East Meadow Dr. (1959)	152,659	0
Eighteenth Street Sewer Renewal (1935)	250,874	0
Elbyrne Ct. - All 1955	23,486	0
Elder Ave. (1963) Rokeby To Dead End	52,844	0
Engineering Study - Water Quality After Hurricane	160,132	0
Engle Ave. (1963)	422,749	0
Fillmore Pl.-All (1971)	88,073	0
Forestview Ct. (1959)	23,486	0
Garrett St. - Doris To Dead End	26,422	0
George Wash. (1959)	364,034	0
Godwin St. Beside Fire Station	46,972	0
Greenleaf Dr. (1959)	152,659	0
Greenwood Rd. (1959)	234,860	0
Greenview Rd. (1959)	152,659	0
Greer St. - 1960	23,486	0
Greer Street Sewer (1960)	106,755	0
Harling Dr. - Tatemstown To Mayon	105,687	0
Harvard Dr. - 1964	31,706	0
Harway Ave. (1963)	93,944	0
Haywood Ave (1959) Sewer	384,317	0
Hazel Ave. (1963) Rokeby To Dead End	64,587	0
Herrington Lane (1963)	64,587	0
Hilton Ct. - All 1971	11,743	0
Hornsea Ct. - All 1955	20,550	0
Ivy Cres. S/O Crown Cres. (1962)	23,486	0
Jackie Dr. (1959)	93,944	0
Keith Ct. - (1955) Pond Lane To Dead End	44,036	0
Kilbride Ct. 1955	23,486	0
King Ct. - Both Dead Ends (1972)	29,358	0
Lafayette St, Wilson Road(1935) Sewer	533,774	0
Lamppost Dr. (1962) Lloyd To Dead End	23,486	0
Laurel Ave. (1963) Rokeby To Dead End	76,330	0
Lyons Ave. - All 1967	23,486	0
Maiden Lane All (1962)	29,358	0
Malcolm Ct. Both Dead Ends 1972	17,615	0
Manhole Rehabilitation Sewer	394,993	0

UNFUNDED PROJECT NAME (Non-Critical)	TOTAL COST	ANNUAL OPERATING COST
Markland Lane-All (1971)	29,358	0
Mattox Dr. - Stalham To Mooney	117,430	0
Mayon Dr. - Stalham To Belton	187,888	0
Meadow Drive (1959)	140,916	0
Meadowgreen Ct. (1959)	23,486	0
Meadowridge Dr. (1959)	140,916	0
Meadowview Rd. (1959)	152,659	0
Meadowwood Ct. (1959)	35,229	0
Meadowwood Ct. W. (1959)	35,229	0
Meadowwood Dr. (1959)	352,291	0
Meadowwood Dr. E. (1959)	176,145	0
Meadowwood Dr. W. (1959)	176,145	0
Meadowwood Forest Rd. (1959)	82,201	0
Menands Dr. 1955	93,944	0
Military Hwy. W. (1988)	822,012	0
Myrtle Ave. (1963) McNeal South To End	20,550	0
Mcneal Ave. (1963)	105,687	0
Myers Rd. - Hines To Hoover - 1970	25,835	0
Nicholas St. - All (Erguhart St.) 1967	11,743	0
Nineteenth Street Sewer (1935)	106,755	0
Obendorfer Rd. - 1986	23,486	0
Oldwood Dr. (1962)	129,173	0
Patch Street Sewer (1958)	149,457	0
Patriot Lane (1962) All	14,679	0
Petre Ct. - 1964	23,486	0
Plow Lane - All (1955)	58,715	0
Port Chambers Ct. (1968)	46,972	0
Portlock Interest - 1978 @ Sh. Center	23,486	0
Printers Pl.-All (1971)	38,165	0
Pump Station Telemetry Upgrade Sewer 2010	229,523	0
Quaker Place (1971)	93,944	0
Redbrick Court (1969)	23,486	0
Rehab Bowers Hill Ground Storage Tank	1,032,152	0
Rehab Cavalier Elevated Storage Tank	1,067,548	21,000
Rehab Finished Water Storage Tank #1	327,211	0
Rehab Finished Water Storage Tank #2	729,387	0
Robertson Blvd. - 1965	46,972	0
Rock Creek Ct. (1962) All	11,743	0
Rotan Ct. - All 1955	23,486	0
Sero Ct. (1968)	35,229	0
Shannon St. - 1958 - Serve 1 Ind. Cust.	32,293	0
Sheild Ave. (1968)	52,844	0
Sir Lance Dr. - (1962) The Ct. On Each End	38,165	0
Sir Lance Ct. - All (1962)	17,615	0
Spadina Ave. - 1960	23,486	0
Springfield Ave.-All (1947)	17,615	0
Stalham Road Sewer Renewal -Border To Menands (1954)	373,642	0
Stewart St. - Poindexter To Holly (1935) Sewer	469,721	0
Sunrise Ave. Alleyway E/O King Ct. 1972	58,715	0
Sunrise Ct. - All 1972	29,358	0
Tekoa Rd. - All 1955	52,844	0
Terry Drive (Radcliffe To Brittany Way) (1968) Sewer	704,581	0
Timber Lane - All (1955)	58,715	0
Tudor Ct. (1962) All	20,550	0

UNFUNDED PROJECT NAME (Non-Critical)	TOTAL COST	ANNUAL OPERATING COST
Velva Dr. - All (1955)	160,879	0
Vincent St. - Vicker To Dead End 1972	35,229	0
Walnut Ave. (1963) Three Areas Of 4"	64,587	0
Warfield Ave. - 1978	26,422	0
Westgate Ct. 1960	11,743	0
West Meadow Dr. (1959)	152,659	0
Wheeling Ave. (1947) West Of Wingfield	14,679	0
Whitehaven Ct.-All (1962)	35,229	0
Willow Ave. (1963) Rokeby To Dead End	11,743	0
Wingfield Ave. - Border To Berkley 1955	29,358	0
Wright Avenue Alleyway Sewer (1955)	229,523	0
Yakima Dr. 1955	35,229	0
Yale Ct. - 1964	31,706	0
Subtotal Public Utilities	\$245,447,345	\$80,609
Education		
HVAC Replacement: Deep Creek Middle School	\$3,084,300	\$0
HVAC Replacement: Butts Road Intermediate, Great Bridge Intermediate, Greenbrier Intermediate, & Carver Intermediate schools	7,618,600	0
Roof Replacement: Western Branch High School	4,538,800	0
Roof Replacement: Great Bridge Intermediate, Butts Road Intermediate, Greenbrier Intermediate, Southeastern Elementary & Crestwood Middle schools	7,774,300	0
Repaving: Western Branch Primary School	216,900	0
HVAC Replacement: Hugo Owens Middle (partial), Hickory Middle Norfolk Highlands Primary, Thurgood Marshall Elementary schools & Edwards-Wilson Center	11,985,600	0
HVAC Replacement: Hickory Elementary (partial), Portlock Primary, Truitt Intermediate Schools (partial) & the Instructional Services Center	4,930,300	0
Roof Replacement: Treacle Elementary & Camelot Elementary schools	2,948,500	0
Cooling Tower: Great Bridge Middle School	242,000	0
Repaving: Great Bridge High School	376,200	0
HVAC Replacement: Cedar Road Elementary School (partial)	232,600	0
Chiller Replacement: Indian River Middle School	229,900	0
Roof Replacement: Hickory Elementary School	358,700	0
HVAC Replacement: Camelot Elementary (partial), Western Branch Intermediate, Western Branch Middle & Deep Creek Elementary schools	8,828,600	0
HVAC Replacement: Hickory High, Georgetown Primary, Sparrow Road Intermediate schools & School Administration Building	10,621,100	0
Roof Replacement: Thurgood Marshall Elementary, Deep Creek Middle, Western Branch Primary, Deep Creek Elementary, Oscar Smith High (partial), Western Branch Intermediate Schools (partial)	11,793,100	0
Modernization: Crestwood Middle School (Construct)	24,584,500	0
Modernization: Crestwood Intermediate School (Design and Construct)	18,737,800	0
New Elementary School: Areas served by B.M. Williams Primary, Crestwood Intermediate, Greenbrier Primary, Great Bridge Intermediate (Design and Construct)	26,853,800	0
New High School: Areas served by Elbow Road/Centerville Turnpike North area (Design)	8,221,900	0
New Elementary School: Areas served by Deep Creek Elementary and Deep Elementary area (Design and Construct)	26,853,800	0
Modernization: Deep Creek High School (Design)	4,127,000	0
Modernization: Great Bridge Primary School (Design and Construct)	19,771,700	0
New Middle School: To provide relief to Hickory Middle School (Design)	4,989,700	0
Modernization: Indian River Middle School (Design and Construct)	41,408,800	0
Modernization: G.W. Carver Intermediate School (Design)	1,650,900	0

UNFUNDED PROJECT NAME (Non-Critical)	TOTAL COST	ANNUAL OPERATING COST
Addition & Renovation: Chittum Elementary School (Design and Construct)	20,514,500	0
Modernization: Western Branch Middle School (Design)	4,123,900	0
Softball Field Lighting: Great Bridge High School	374,500	0
Parking/Storage Facility for School Buses	3,738,600	0
Addition & Renovation: Nutrition Services Warehouse	3,706,000	0
<i>Subtotal - Education</i>	\$285,436,900	\$0
<i>Total other unfunded</i>	\$1,476,089,137	\$2,931,392