

# **Landfill Caps**

### **Lead Agency For This Project**

**Public Works** 

### **Project Description**

The Landfill caps project will complete the closure construction of filled cells located at the Prince William County Sanitary Landfill at Independent Hill. Funding is for the design and construction of a phased capping plan for the lined landfill cells.

### **Service Impact**

- Environmental Impact The Landfill caps will reduce rainwater infiltration, thereby protecting public health, groundwater quality and the environment.
- Virginia Solid Waste Regulations mandate that cells must be capped once they are complete.

# Strategic Plan Impact

Economic Development / Transportation

Human Services

Education

Public Safety

### **Comprehensive Plan Impact**

- Cultural Resources
- Police
- Economic Dev.
- Potable Water
- Environment
- Schools
- Fire & Rescue
- Sewer
- Land Use Libraries
- Telecommunications
- Parks & Open Space
- Transportation

#### **Funding Sources**

> Solid Waste Fees fund this project.

#### **Critical Milestones**

- **Intermediate capping**, installation of gas wells, and drainage work was completed for Phase I, Part 2 in FY 07. Intermediate capping and drainage work has begun for Phase I, Part 3.
- **Intermediate capping** and drainage work started for Phase I, Part 4 in FY 08.
- Design and construction drawings for final capping of Phase I in FY 11.
- **Final capping** of Phase I is scheduled to begin in FY 12.
- Intermediate capping and drainage work for the Phase II landfill areas will begin in FY 13.



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FUNDING SOURCES	Total Project Estimate	Prior Years' Actual	Current Year	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 10 - 15	Future Years
Proffers/General Fund	-	-	-	-	-	-	-	-	-	-	-
Delinquent Taxes	-	-	-	-	-	-	-	-	-	-	-
Fire Levy Solid Waste Fees	54.970.000	6,165,000	290,000	290,000	525,000	6,400,000	6,000,000	300.000	300,000	13,815,000	34,700,000
Stormwater Management Fees	54,970,000	0,103,000	290,000	290,000	525,000	0,400,000	0,000,000	300,000	500,000	13,813,000	34,700,000
Debt	-	_	-	-	-	-	-	-	-	_	-
Fuel Tax	-	-	-	-	-	-	-	-	-	-	-
State/Federal	-	-	-	-	-	-	-	-	-	-	-
Proffers Identified Proffers Projected	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
TOTAL	\$54,970,000	\$6,165,000	\$290,000	\$290,000	\$525,000	\$6,400,000	\$6,000,000	\$300,000	\$300,000	\$13,815,000	\$34,700,000
COST CATEGORIES											
Planning	-	_	- [	- 1	-	- 1	-	-	-		
Property Acquisition	_									-	
	-	-	-	-	-	-	-	-	-	-	
Design	2,325,000	280,000	15,000	15,000	250,000	-	-	15,000	15,000	295,000	
Design Construction/Utility Relocation	50,030,000	5,620,000	250,000	250,000	250,000	6,100,000	5,800,000	260,000	260,000	12,920,000	31,240,000
Design Construction/Utility Relocation Project Management						6,100,000 300,000	5,800,000 200,000				31,240,000
Design Construction/Utility Relocation Project Management Construction Management	50,030,000	5,620,000	250,000	250,000	250,000			260,000	260,000	12,920,000	31,240,000
Design Construction/Utility Relocation Project Management	50,030,000	5,620,000	250,000	250,000	250,000			260,000	260,000	12,920,000	31,240,000
Design Construction/Utility Relocation Project Management Construction Management Occupancy Telecommunications Debt Issuance Costs	50,030,000	5,620,000	250,000	250,000	250,000			260,000	260,000	12,920,000	31,240,000
Design Construction/Utility Relocation Project Management Construction Management Occupancy Telecommunications	50,030,000	5,620,000	250,000	250,000	250,000			260,000	260,000	12,920,000	31,240,000
Design Construction/Utility Relocation Project Management Construction Management Occupancy Telecommunications Debt Issuance Costs	50,030,000	5,620,000	250,000	250,000	250,000			260,000	260,000	12,920,000	1,735,000 31,240,000 1,725,000 - - - - \$34,700,000

	Appropriated				Appropriations				1
APPROPRIATIONS	Project Budget	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 10 - 15	Future Years
Revenues Expenditures	6,455,000 6,455,000								
Unappropriated Revenues Unappropriated Expenditures	(48,515,000) (48,515,000)	290,000 290,000	525,000 525,000	6,400,000 6,400,000	6,000,000 6,000,000	300,000 300,000	300,000 300,000	13,815,000 13,815,000	

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OPERATING IMPACTS	Current Year	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 10 - 15	
Facility Operating Cost Program Operating Cost	-	-	-	-	-	- -	- -	-	
Total Operating Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Debt Service	-	-	-	-	-	-	-	-	Ī
Total Operating and Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Operating Revenue	290,000	290,000	525,000	6,400,000	6,000,000	300,000	300,000	13,815,000	
GENERAL FUND REQUIREMENT	(\$290,000)	(\$290,000)	(\$525,000)	(\$6,400,000)	(\$6,000,000)	(\$300,000)	(\$300,000)	(\$13,815,000)	



# **Landfill Liners**

# **Lead Agency For This Project**

**Public Works** 

# **Project Description**

Installation of Landfill liners is required to complete the liner systems at the Prince William County Sanitary Landfill at Independent Hill.

### **Service Impact**

- ➤ **Public and Environmental Health** The Landfill liners will protect public health and the environment by reducing groundwater contamination.
- ➤ Virginia Solid Waste Regulations mandate that liners be installed in all new landfill cells.
- ➤ The life of the Phase I cell (Parts 1, 2, 3 and 4) is estimated to last until 2010 based on an average of 800 tons of waste per day.
- ➤ The life of the Phase II and III cells (All Parts) is estimated to last until 2025 considering growth in the County.

### **Strategic Plan Impact**

- Economic Development /
  Transportation
- Human Services

Education

Public Safety

#### Comprehensive Plan Impact

- Cultural Resources
  Economic Dev.
- Police
- Potable Water
- Environment

Libraries

- Schools Sewer
- Fire & Rescue Land Use
- Telecommunications
- Parks & Open Space
- Transportation

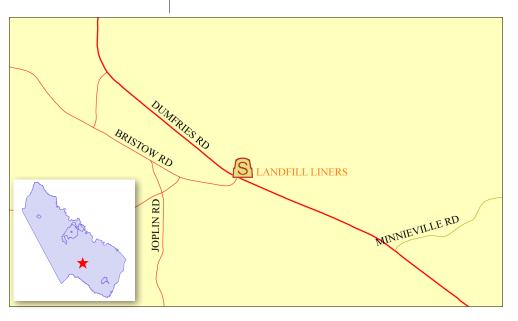
### **Funding Sources**

➤ **Solid Waste Fees** - Installation of the liners will be financed through the solid waste reserve set-aside accounts and solid waste fees.

#### **Critical Milestones**

- Construction completed for Phase I, Part 4 in FY 06.
- ➤ **Permit Amendment** for Phase II and Phase III scheduled to be obtained in FY 09.
- Permit Amendment and wetlands permit for Phase II and Phase III scheduled to be obtained in FY 09.
- > Design and construction drawings for Phase II, Part 1 amd 2 in FY 10.
- ➤ **Construction** of Phase II, Part 1 cell planned for FY 11.

- ➤ **Design** and construction drawings for Phase II, Part 2 planned for FY 11.
- ➤ **Construction** of Phase II, Part 2 cell planned for FY 12.
- ➤ **Construction** of Phase II, Part 3 cell planned for FY 14.



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FUNDING SOURCES	Total Project Estimate	Prior Years' Actual	Current Year	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 10 - 15	Future Year
Proffers/General Fund	-	-	-	-	-	-	-	- [	-	-	
Delinquent Taxes	-	-	-	-	-	-	-	-	-	-	
Fire Levy	-	-	-	-	-	-	-	-	-	-	
Solid Waste Fees	75,375,200	8,095,200	380,000	-	3,900,000	-	3,000,000	-	2,800,000	9,700,000	57,200,0
Stormwater Management Fees	-	-	-	-	-	-	-	-	-	-	
Debt	-	-	-	-	-	-	-	-	-	-	
Fuel Tax	-	-	-	-	-	-	-	-	-	-	
State/Federal	-	-	-	-	-	-	-	-	-	-	
Proffers Identified	-	-	-	-	-	-	-	-	-	-	
Proffers Projected	-	-	-	-	-	-	-	-	-	-	
Other		-	-	-	-	-	-	-	-	-	
TOTAL	\$75,375,200	\$8,095,200	\$380,000	\$0	\$3,900,000	\$0	\$3,000,000	\$0	\$2,800,000	\$9,700,000	\$57,200,00
COST CATEGORIES											
						i.					
Planning	-	-	-	-	-	- [	-	- [	-	-	
Property Acquisition	- -	-	-	-	-	-	-	-			
Property Acquisition Design	5,035,200	655,200	380,000		- - -	- - -	- - -	- - -	- - -	- - -	
Property Acquisition Design Construction/Utility Relocation	66,190,000	6,840,000	380,000	-	3,600,000	- - - -	2,750,000	- - -	2,600,000	- - 8,950,000	50,400,0
Property Acquisition Design Construction/Utility Relocation Project Management			380,000	- - - -	3,600,000 300,000	- - - -	2,750,000 250,000	-	2,600,000 200,000	8,950,000 750,000	50,400,0
Property Acquisition Design Construction/Utility Relocation Project Management Construction Management	66,190,000	6,840,000	380,000	- - - -		- - - - -		- - - -			50,400,0
Property Acquisition Design Construction/Utility Relocation Project Management Construction Management Occupancy	66,190,000	6,840,000	380,000	- - - - -		- - - - - -		-			4,000,0 50,400,0 2,800,0
Property Acquisition Design Construction/Utility Relocation Project Management Construction Management Occupancy Telecommunications	66,190,000	6,840,000	380,000	-		- - - - - -		- - - - - -			50,400,0
Property Acquisition Design Construction/Utility Relocation Project Management Construction Management Occupancy Telecommunications Debt Issuance Costs	66,190,000	6,840,000	380,000	-		- - - - - - -		-			50,400,0
Property Acquisition Design Construction/Utility Relocation Project Management Construction Management Occupancy Telecommunications Debt Issuance Costs	66,190,000	6,840,000	380,000	- - - - - - - -		-		-			50,400,0
Property Acquisition Design Construction/Utility Relocation Project Management Construction Management Occupancy Telecommunications	66,190,000	6,840,000	380,000	- - - - - - - - - - - - - - - - - - -		- - - - - - - - - - - - - - - - - - -					50,400,0

	Appropriated				Appropriations				
APPROPRIATIONS	Project Budget	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 10 - 15	Future Years
Revenues Expenditures	8,475,200 8,475,200								
Unappropriated Revenues Unappropriated Expenditures	(66,900,000) (66,900,000)	-	3,900,000 3,900,000	-	3,000,000 3,000,000	-	2,800,000 2,800,000	9,700,000 9,700,000	57,200,000 57,200,000

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OPERATING IMPACTS	Current Year	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 10 - 15
Facility Operating Cost Program Operating Cost	-	-	- -	- -			- -	- -
Total Operating Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Service	-	-	-	-	-	-	-	-
Total Operating and Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Operating Revenue	380,000	-	3,900,000	-	3,000,000	-	2,800,000	9,700,000
GENERAL FUND REQUIREMENT	(\$380,000)	\$0	(\$3,900,000)	\$0	(\$3,000,000)	\$0	(\$2,800,000)	(\$9,700,000)



# **Cable Equipment**

### **Lead Agency For This Project**

Office of Executive Management

# **Project Description**

This project is made possible by cable franchise agreements between the County and the local cable television providers: Comcast Cablevision of Virginia, Inc., Comcast of Georgia/Virginia, Inc., Gatehouse Networks and Verizon South. Cable equipment funding is one percent of the gross revenues generated in Prince William County by the cable operators. Use of this revenue stream is restricted to cable-related capital needs which may include new and replacement cameras, projection equipment, cable-related software and facilities necessary for the carriage of educational and government cable programming.

### Service Impact

- The Government Access Channel Provides general government programs to cable subscribers. Information is broadcast in the form of bulletin board messages, original programs, public service announcements, Board of County Supervisor meetings (both live and rebroadcast), and other programming obtained from outside sources.
- Prince William County Schools Education Access Channel - Provides Prince William County Schools with the opportunity to broadcast educational and informational programming related to the County School Division.
- The College and University Access Channel -Provides George Mason University and Northern Virginia Community College with the ability to

broadcast classes to cable television subscribers. This allows students to take classes at home.

### Strategic Plan Impact

Economic Development / Human Services Transportation Education Public Safety

### Comprehensive Plan Impact

- Cultural Resources Police Economic Dev. Potable Water
- Environment Schools
- Fire & Rescue Sewer Land Use
- Telecommunications Libraries Transportation
- Parks & Open Space

# **Funding Sources**

Cable Franchise Capital Grant - The County's cable franchise agreements, negotiated in 2003 with Comcast, in 2004 with Gatehouse and in 2006 with Verizon provides capital funding for this project annually through 2018.

#### **Critical Milestones**

- Outfitted the McCoart Building Board Chambers with filming, editing, and broadcast equipment in FY 04.
- Remodeled the existing studio space located in the basement of Chinn Library, purchased equipment for studio production, and purchased large flat screen panels for broadcasting government access programming to the McCoart Atrium in FY 06.

- Upgraded County government editing equipment and completed studio renovations in FY 07.
- Upgraded the County's government cameras, editing equipment and editing software in FY 08.
- Provide capability to video stream government access programming to the Internet, making it available to all citizens with Internet access in FY 08.
- Additional Upgrades of the County's government cameras, editing equipment, and editing software planned for FY 09 through FY 13.

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FUNDING SOURCES	Total Project Estimate	Prior Years' Actual	Current Year	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 10 - 15	Future Years
Proffers/General Fund	-	-	-	-	-	_	-	-	-	-	-
Delinquent Taxes	-	-	-	-	-	-	-	-	-	-	-
Fire Levy	-	-	-	-	-	-	-	-	-	-	-
Solid Waste Fees	-	-	-	-	-	-	-	-	-	-	-
Stormwater Management Fees	-	-	-	-	-	-	-	-	-	-	-
Debt	-	-	-	-	-	-	-	-	-	-	-
Fuel Tax	-	-	-	-	-	-	-	-	-	-	-
State/Federal	-	-	-	-	-	-	-	-	-	-	-
Proffers Identified	-	-	-	-	-	-	-	-	-	-	-
Proffers Projected	-	-	-	-	-	-	-	-	-	-	-
Other	5,214,416	1,085,960	630,888	582,928	582,928	582,928	582,928	582,928	582,928	3,497,568	-
TOTAL	\$5,214,416	\$1,085,960	\$630,888	\$582,928	\$582,928	\$582,928	\$582,928	\$582,928	\$582,928	\$3,497,568	\$0
COST CATEGORIES											
Transfer to Schools	3,384,166	340,763	465,815	429,598	429,598	429,598	429,598	429,598	429,598	2,577,588	-
Cable Equip & Video Streaming	258,085	130,747	127,338	-	_	_	-	,	´ -	· · · -	-
GMU/NVCC	59,944	59,944	59,944	30,000	30,000	30,000	30,000	30,000	30,000	180,000	-
Equipment Refresh	292,500	_	_	_	58,500	58,500	58,500	58,500	58,500	292,500	-
LAN/Shared Storage	60,000	_	-	60,000	_	_	_	-	´ -	60,000	-
Hardware & Software	20,000	_	-	20,000	-	_	-	-	-	20,000	-
BOCS TV System Replacement	28,500	_	-	28,500	-	_	-	-	-	28,500	-
Chinn Studio Supplies	10,000	_	-	10,000	-	_	-	-	-	10,000	-
ENG Gear	25,000	_	-	25,000	-	_	-	-	-	25,000	-
Granicus Contract	72,000	-	-	12,000	12,000	12,000	12,000	12,000	12,000	72,000	-
			0.550.005	0.61 5 000	\$530,098	\$530,098	\$530,098	\$530,098	\$530,098	\$3,265,588	\$0
TOTAL	\$4,210,195	\$531,454	\$653,097	\$615,098	\$330,096	\$330,070	\$330,070	\$550,070	\$550,070	\$3,203,300	90

	Appropriated				Appropriations				
APPROPRIATIONS	Project Budget	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 10 - 15	Future Years
Revenues Expenditures	1,716,848   1,716,848								
Unappropriated Revenues Unappropriated Expenditures	(3,497,568) (2,493,347)	582,928 582,928	582,928 582,928	582,928 582,928	582,928 582,928	582,928 582,928	582,928 582,928	3,497,568 3,497,568	

					CIP			
OPERATING IMPACTS	Current Year	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 10 - 15
Facility Operating Cost Program Operating Cost	-	-	-	- -	-	-		-
Total Operating Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Service	-	-	-	-	-	-	-	-
Total Operating and Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Operating Revenue	-	-	-	-	-	-	-	-
GENERAL FUND REQUIREMENT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



# **Technology Improvement Plan**

# **Lead Agency for This Project**

Office of Information Technology

# **Project Description**

The Technology Improvement Plan (TIP) provides for on-going capital replacement, upgrades, and improvement of the County's voice and data Wide Area Network (WAN), site specific Local Area Networks (LAN), Enterprise Security systems and Enterprise Application systems. The replacements and upgrades included in the TIP span the entire spectrum of networking and telecommunications hardware, servers, and application software.

### Service Impact

- Voice Infrastructure Upgrades and replacements provide citizens and employees with the ability to conduct business in a convenient and efficient manner.
- Data and Video Infrastructure Upgrades and replacements enable County staff to optimize their support for services to citizens. This enables citizens to take advantage of new and established electronic business services. These upgrades also provide the capacity for the County to meet citizen expectations to communicate and conduct business electronically.
- Citizen Access Access to electronic services will be maintained 98% of the time.
- Network Responsiveness Responsiveness surveyed as very good or excellent will be maintained 90% of the time.

Data and Voice Network - Availability while implementing enhancements will be maintained 99% of the time.

#### Strategic Plan Impact

- Economic Development / Human Services Transportation
- Education

Public Safety

Police

Schools

Sewer

Potable Water

Telecommunications

Transportation

#### **Comprehensive Plan Impact**

- Cultural Resources
- Economic Dev.
- Environment
- Fire & Rescue
- Land Use Libraries
- Parks & Open Space
- **Funding Sources**
- ➢ General Fund
- Fire Levy
- Cable Franchise Capital Grant The County's Cable Franchise Agreement, negotiated in calendar year 2003, provides capital funding annually to this project.

#### **Critical Milestones**

#### Technology Upgrades

- Upgrades and Replacements to the County's voice and data network are ongoing.
- Replacement of the Public Safety microwave system is planned in FY 09/FY 10.

- Replacement of the MDC Remote Update server is planned to begin in FY 09/FY 10.
- > Replacement of the Data Network Communications Equipment is planned to begin in FY 10.
- **Upgrades** to the Geographical Information System are planned in FY 10.
- Replacement of the Public Safety 800 MHZ Radio system infrastructure is planned in FY 12.
- Replacement of the Public Safety MDC infrastructure is planned in FY 13.

#### **Business Systems**

- > Replacement of the Real Estate Assessment System is in progress.
- Replacement of the Tax Administration System is planned in FY 10.
- Replacement of Financial Systems are planned in FY 13.
- Replacement of CAD/E911, RMS, and EMS Systems are planned in FY 13.
- Replacement of the Document Management system is planned in FY 14.
- Replacement of the Human Resources & Payroll Systems are planned in FY 13.
- Replacement of the Voice Response System is planned in FY 14.

Fire Levy 4,000,000 4,000,000 4,000,000 4,000	COST CATEGORIES 800 MHZ Infrastructure	22,000,000	56,000,000	1	*/33,638	\$2,540,072	22,000,000	-	-		22,000,000 1,725,000	<u>\$</u>
Fire Levy 4,000,000 4,000,000 4,000,000 4,000 Solid Waste Fees		\$59,200,070	\$6,000,000	\$174,072	\$733,638	\$2,540,072	\$25,115,072	\$7,081,072	\$16,848,072	\$174,072	\$53,091,998	3
Fire Levy 4,000,000 4,000,000 4,000,000 4,000 Solid Waste Fees		339.200.070	20.000.000	\$174.072	\$7,3,3,6,38	\$2,540,072	825.115.072	3/.081.0/2	\$16.848.072	\$174.072	353.091.998	
Fire Levy 4,000,000 4,000,000 4,000,000 4,000 4,000 4,000 4,000 4,000 4,000 4,000 4,000	POTAL	050.266.070	ec 000 000	0154.053	0 <b>2</b> 22 (20	00 740 070	025 115 052	67 (01 073	01 ( 040 073	04.54.050	Ø <b>5</b> 2 001 000	
Fire Levy 4,000,000 4,000,000 4,000,000 4,000,000 4,000,000 4,000,000 4,000,000 4,000,000 4,000,000 4,000,000 4,000,000		1,778,070	-	174,072	733,638	174,072	174,072	174,072	174,072	174,072	1,603,998	
Fire Levy 4,000,000 4,000,000 4,000,000 4,000	Proffers Identified	-	-	-	-	-	-	-	-	-	-	
Fire Levy 4,000,000 4,000,000 4,000,000 4,000		-	-	-	-	-	-	-	-	-	-	
Fire Levy 4,000,000 4,000,000 4,000,000 4,000,000 4,000,000		-	-	-	-	-	-	-			-	
	olid Waste Fees	4,000,000	-	-	-	-	-,000,000	-	-	-	-,000,000	
	Capital Reserve	18,000,000	-	-	-	-	18,000,000	-	-	-	18,000,000 4,000,000	
UNDING SOURCES Estimate Actual				-	-					-	FY 10 - 15 29,488,000	Future Yea

	Appropriated	Appropriated		Appropriations							
APPROPRIATIONS	Project Budget		FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 10 - 15	Future Years	
Revenues Expenditures	6,174,072 6,174,072										
Unappropriated Revenues Unappropriated Expenditures	(53,091,998) (52,477,079)		5,040,072 5,040,072	16,753,072 16,753,072	22,414,072 22,414,072	4,482,072 4,482,072	3,049,072 3,049,072	174,072 174,072	51,912,432 51,912,432		

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OPERATING IMPACTS	Current Year	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 10 - 15
Facility Operating Cost Program Operating Cost	-	-	-	-	-	-		
<b>Total Operating Cost</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Service	-	-	-	- ]	-	-	-	-
<b>Total Operating and Debt Service</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Operating Revenue	-	-	-	-	-	-	-	-
GENERAL FUND REQUIREMENT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



