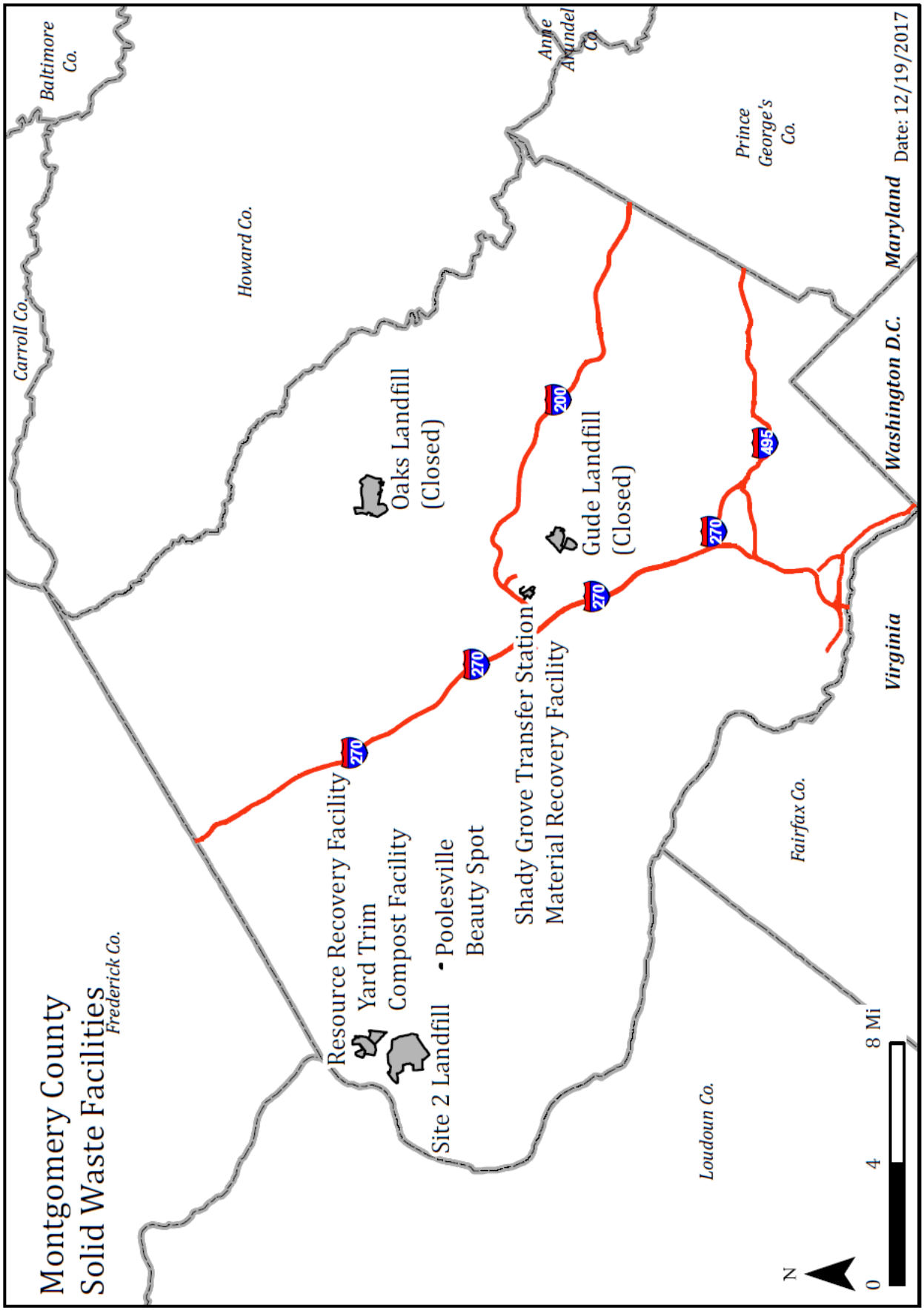
Recycling and Resource Management

Recycling and Resource Management


Montgomery County
Solid Waste Facilities
Frederick Co.
Carroll Co.
Baltimore Co.
Howard Co.
Anne Arundel Co.
Prince George's Co.
Maryland
Washington D.C.
Virginia
Fairfax Co.
Loudoun Co.
Date: 12/19/2017
Resource Recovery Facility
Yard Trim
Compost Facility
Site 2 Landfill
Poolesville
Beauty Spot
Shady Grove Transfer Station
Material Recovery Facility
Oaks Landfill
(Closed)
Gude Landfill
(Closed)
270
200
495
N
0
4
8 Mi

Gude Landfill Remediation
(P801801)

Category	Recycling and Resource Management	Date Last Modified	01/03/20
SubCategory	Recycling and Resource Management	Administering Agency	Environmental Protection
Planning Area	Upper Rock Creek Watershed	Status	Ongoing

EXPENDITURE SCHEDULE ($000s)

Cost Elements	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
Planning, Design and Supervision	6,955	1,363	707	4,795	456	771	932	905	877	854	90
Construction	54,791	-	-	54,133	-	17,558	10,561	11,200	9,810	5,004	658
TOTAL EXPENDITURES	61,746	1,363	707	58,928	456	18,329	11,493	12,105	10,687	5,858	748

FUNDING SCHEDULE ($000s)

Funding Source	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
Current Revenue: Solid Waste Disposal	28,700	1,363	707	26,630	456	18,329	7,845	-	-	-	-
Revenue Bonds	33,046	-	-	32,298	-	-	3,648	12,105	10,687	5,858	748
TOTAL FUNDING SOURCES	61,746	1,363	707	58,928	456	18,329	11,493	12,105	10,687	5,858	748

APPROPRIATION AND EXPENDITURE DATA ($000s)

Appropriation FY 21 Request	-	Year First Appropriation	FY18
Appropriation FY 22 Request	10,955	Last FY's Cost Estimate	28,700
Cumulative Appropriation	9,900		
Expenditure / Encumbrances	1,796		
Unencumbered Balance	8,104		

PROJECT DESCRIPTION

This project provides for the remediation of low-level environmental contamination at the Gude Landfill. The Maryland Department of the Environment (MDE) approved an Assessment of Corrective Measures (ACM) report for Gude Landfill in July 2016 which specifically outlines the approved Corrective Measure Alternative (CMA) for this remediation project. The MDE approved CMA will include toupee capping (regrading and capping the top of the landfill and selected slope areas with a synthetic liner and two feet of soil) and increased gas collection through the installation of additional gas extraction wells. These remediation measures will reduce infiltration of rainwater into the landfill resulting in the generation of less leachate, fewer leachate seeps, and better control of landfill gas migration.

LOCATION

600 E. Gude Drive, Rockville, Maryland

ESTIMATED SCHEDULE

The Gude Landfill Remediation project construction will begin in FY22 and is scheduled to be completed in FY27.

COST CHANGE

Costs increased due to updated estimates from a Maryland Department of the Environment-approved scope. A delay in construction is also reflected as DEP considers phasing to reduce costs. New 60% design documents based on the phasing and an updated cost estimate are expected in early 2020. The scope, design, and cost are subject to final MDE review, and continued cost refinements are expected.

PROJECT JUSTIFICATION

The County and MDE entered a consent order in May 2013 which outlined requirements for assessing low-level groundwater contamination, gas migration, and other problems at the Gude Landfill. The Consent Order included provisions requiring a Work Plan and schedule to be established for assessing potential risks to human health and the environment, and development of an ACM report and implementation schedule. After consultation with industry experts, community groups, MDE, and County government leadership, the Department of Environmental Protection's (DEP) initial proposal to MDE in 2014 addressed the low-level groundwater contamination at the site with installation of bioremediation wells on the property. MDE's assessment of this bioremediation corrective measure in April 2015 determined that additional corrective measures would need to be included in the bioremediation approach to address all of MDE's requirements. A revised ACM report was submitted to MDE in April 2016 addressing all MDE's comments and selecting corrective measures consisting of a toupee cap, additional landfill gas collection, and stormwater drainage improvements. The County has been mandated to perform work outlined in the consent order. Moving forward with the remediation of Gude Landfill, as required by MDE, will also address concerns raised by the adjacent community and allow planning for future reuses of the property.

FISCAL NOTE

The source of the additional funding will likely be Solid Waste (Disposal Fund) Revenue Bonds. Discussions are under way with Finance and the Office of Management and Budget pursuant to this option, but it may change if another financing method is more advantageous.

DISCLOSURES

A pedestrian impact analysis has been completed for this project.

COORDINATION

Northeast Maryland Waste Disposal Authority (NMWDA), Maryland Department of the Environment (MDE), Department of Permitting Services, Health and Human Services, the Maryland-National Capital Park and Planning Commission, the U.S. Army Corps of Engineers, the Gude Landfill Concerned Citizens (GLCC), County social service agencies, and adjacent property owners.

Transfer Station Fire Detection and Suppression System
(P802101)

Category	Recycling and Resource Management	Date Last Modified	08/19/20
SubCategory	Recycling and Resource Management	Administering Agency	Environmental Protection
Planning Area	Gaithersburg and Vicinity	Status	

EXPENDITURE SCHEDULE ($000s)

Cost Elements	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years

FUNDING SCHEDULE ($000s)

Funding Source	Total	Thru FY19	Est FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years

APPROPRIATION AND EXPENDITURE DATA ($000s)