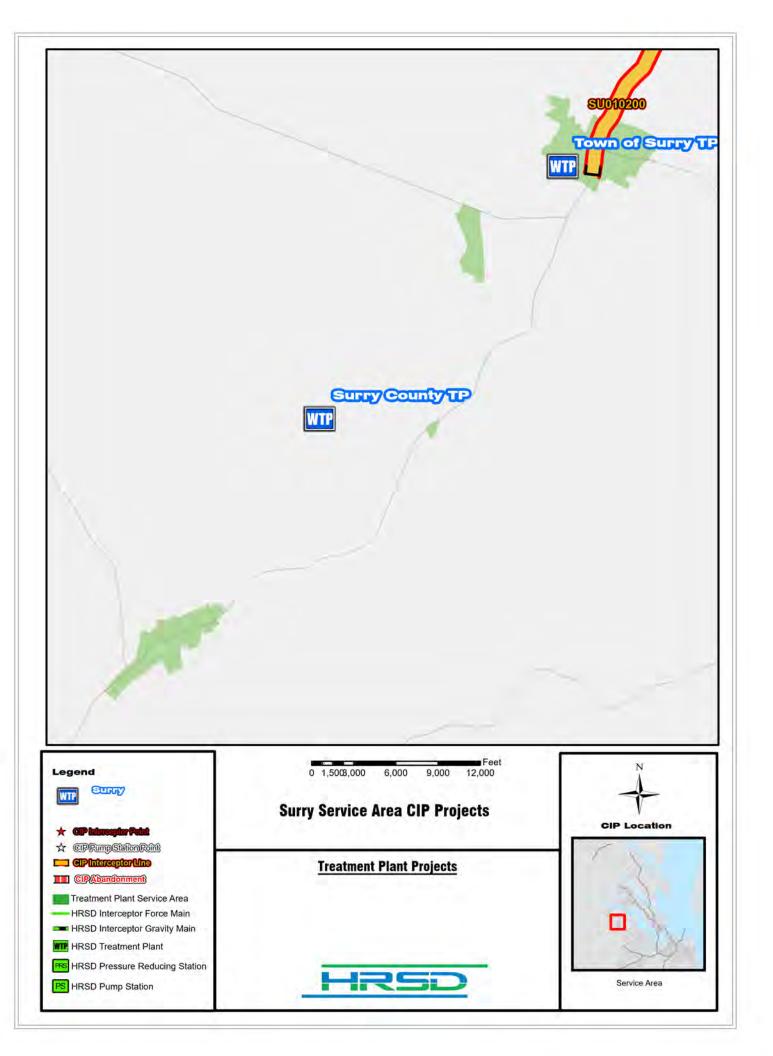
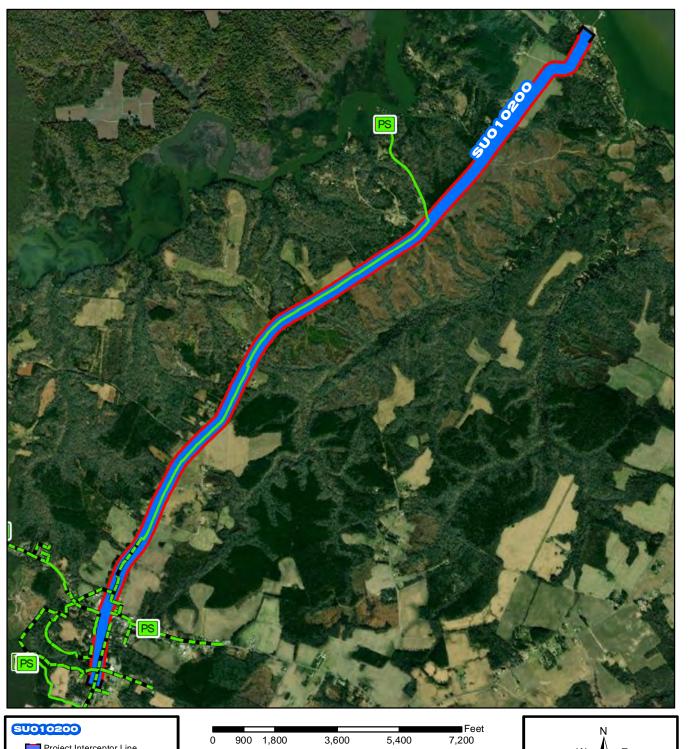
Surry Treatment Plant

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Photo Credit: VDOT









System:	Surry
Туре:	Pipelines

Surry Hydraulic Improvements and Interceptor Force Main

PR_SU010200

Driver Category: Aging Infrastructure/Rehabilitation Project Phase: Design Consent Decree - Surry Regulatory:

PROGRAM CASH FLOW PROJECTION (\$,000)

	Exp to										
Prog Cost	Previous Year	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32
\$47,512	\$47,512	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

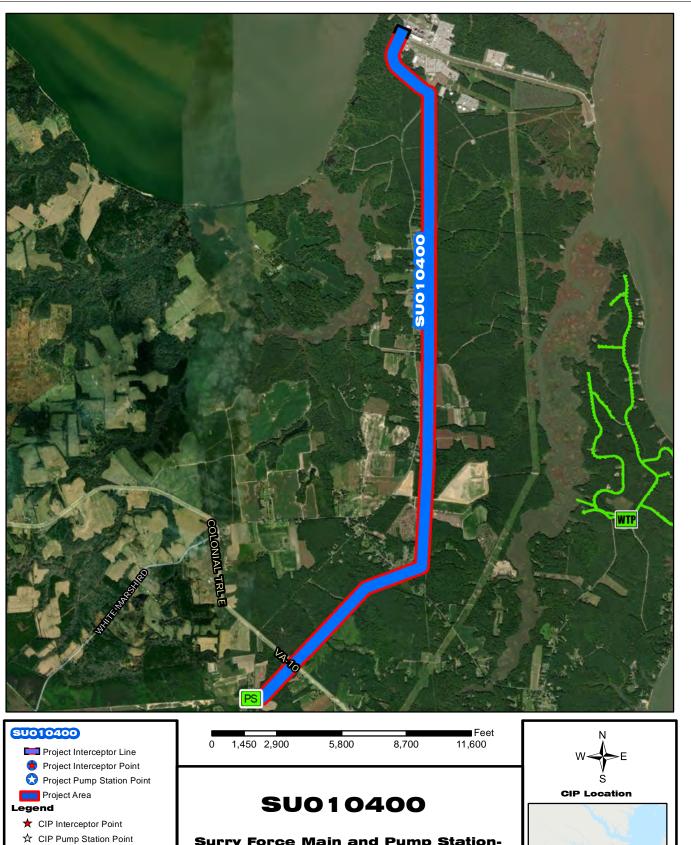
PROJECT DESCRIPTION

The project will include the design and construction of three new pump stations; replacement of three existing pump stations and upgrades to two existing pump station upgrades in addition to electrical, instrumentation and controls, a generator at each pump station, SCADA for three existing pump stations, an equalization tank, approximately 131,200 LF of force main ranging from 4-inch diameter to 10-inch diameter; and the closure of both the Surry County Wastewater Treatment Plant (WWTP) and the Town of Surry WWTP. Flow will be conveyed to existing HRSD infrastructure in the Town of Smithfield, and will ultimately be treated at Nansemond Treatment Plant.

PROJECT JUSTIFICATION

HRSD is under a consent order with the state to decommission the Town of Surry Treatment Plant and Surry County Treatment Plant. This work must be completed by December 2022.

FUNDING TYPE		CONTACTS	
Funding Type:	Revenue Bond	Contacts-Requesting Dept: Contacts-Dept Contacts: Contacts-Managing Dept:	General Manager Ann Copeland Engineering
PROPOSED SCH	EDULE START DATE	COST ESTIMATE	
PrePlanning PER Design Delay Design Bid Delay PreConstruction Construction Closeout	08/15/2017 05/01/2018 02/01/2019 02/01/2019 02/01/2019 02/01/2019 02/01/2019 07/06/2022	PreConstruction Construction Closeout Est. Program Cost Contingency Budget	Class 1 \$30,497 \$0 \$47,480,179 \$0 \$995 \$0 \$47,511,671 \$1,897,935 \$49,409,606



Surry Force Main and Pump Station-Dominion Power Extension





CIP Project Area HRSD Interceptor Force Main HRSD Interceptor Gravity Main

CIP Interceptor Line

CIP Abandonment

WTP HRSD Treatment Plant

RS HRSD Pressure Reducing Station

PS HRSD Pump Station



System: Surry Type: Pipelines Surry Force Main and Pump Station-Dominion Power Extension

PR_SU010400

Driver Category: Capacity Improvements Project Phase: PER Regulatory: None

PROGRAM CASH FLOW PROJECTION (\$,000)

Prog Cost	Exp to Previous Year	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32
\$6,730	\$138	\$643	\$2,375	\$3,528	\$46	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DESCRIPTION

This project will provide a new 6.5 mile force main and pump station extending from the Surry Nuclear Power Plant to HRSD's Mt. Ray Pump Station which is currently under construction. The project will be funded through a cost sharing agreement with Dominion Virginia Power.

PROJECT JUSTIFICATION

Dominion has contacted HRSD about the possibility of abandoning their existing wastewater treatment plant and connecting to HRSD's Surry Interceptor Force Main at the Mt. Ray Pump Station. This proposed 6-inch force main will be located along both public and private property along the suggested route. A pump station will be constructed at the Surry Nuclear Power Facility and will be ultimately owned and operated by HRSD. A multi-step cost sharing agreement process will be used to consider the feasibility of this project. Most of the project costs will be borne by Dominion.

FUNDING TYPE		CONTACTS		
Funding Type:	Cash	Contacts-Requesting Dept: Contacts-Dept Contacts: Contacts-Managing Dept:	Operations-Interceptors Ann Copeland Engineering	
PROPOSED SCI	HEDULE START DATE	COST ESTIMATE		
PrePlanning PER Design Delay Design Bid Delay PreConstruction Construction Closeout	04/27/2021 06/02/2021 04/01/2022 07/01/2022 09/01/2023 09/01/2023 12/04/2023 06/02/2025	Cost Estimate Class: PrePlanning PER Design PreConstruction Construction Closeout Est. Program Cost Contingency Budget	\$0 \$75,000 \$750,000 \$25,000 \$5,766,667 \$50,000 \$6,666,667 \$1,333,333	
		Est. Project Costs	\$8,000,000	