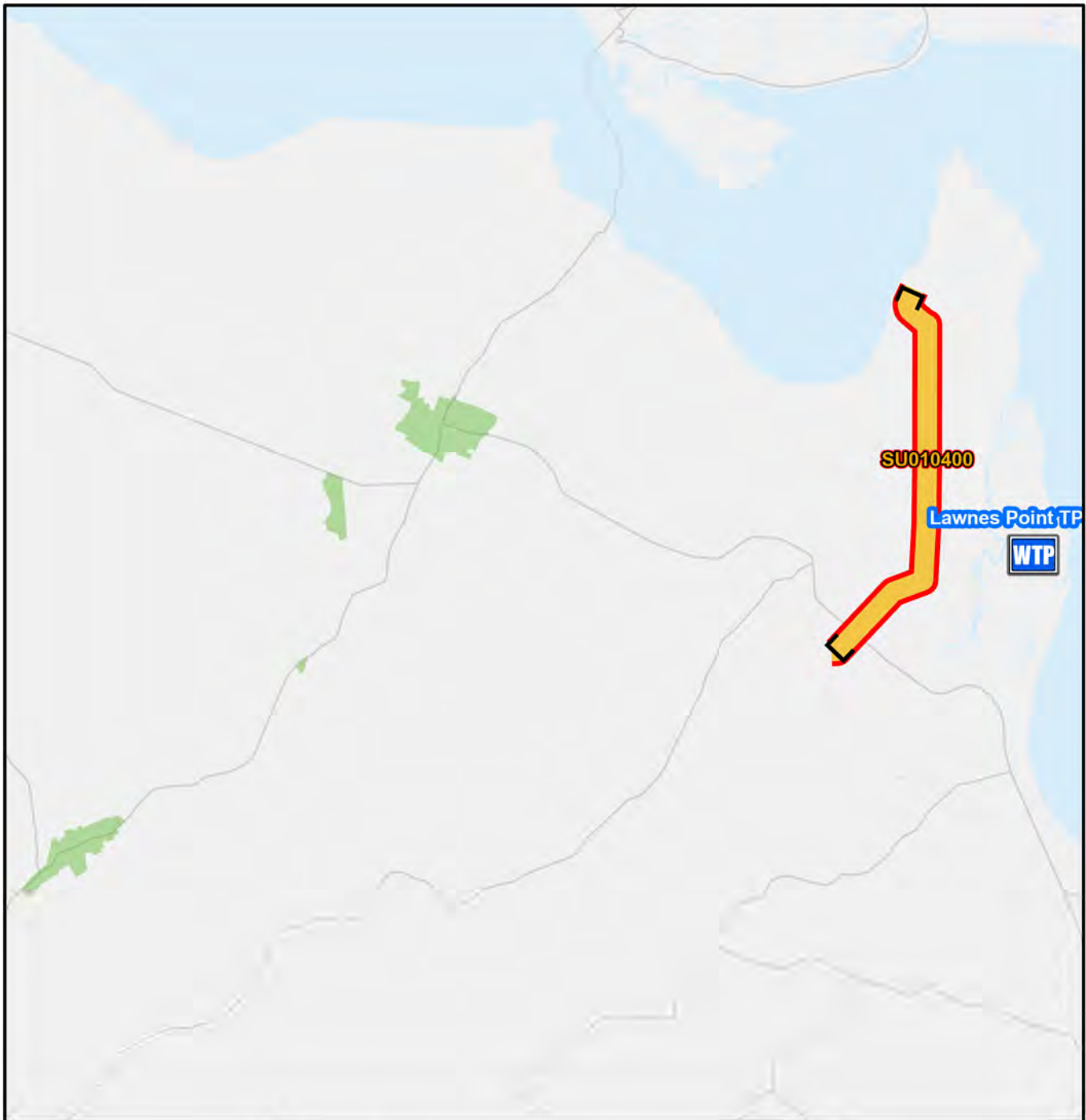


Surry Treatment Plant

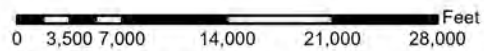


Photo Credit: VDOT



Legend

-  **Lawnes Point TP**
-  **CIP Interceptor Point**
-  **CIP Pump Station Point**
-  **CIP Interceptor Line**
-  **CIP Abandonment**
-  **Treatment Plant Service Area**
-  **HRSD Interceptor Force Main**
-  **HRSD Interceptor Gravity Main**
-  **HRSD Treatment Plant**
-  **HRSD Pressure Reducing Station**
-  **HRSD Pump Station**



Surry Service Area CIP Projects

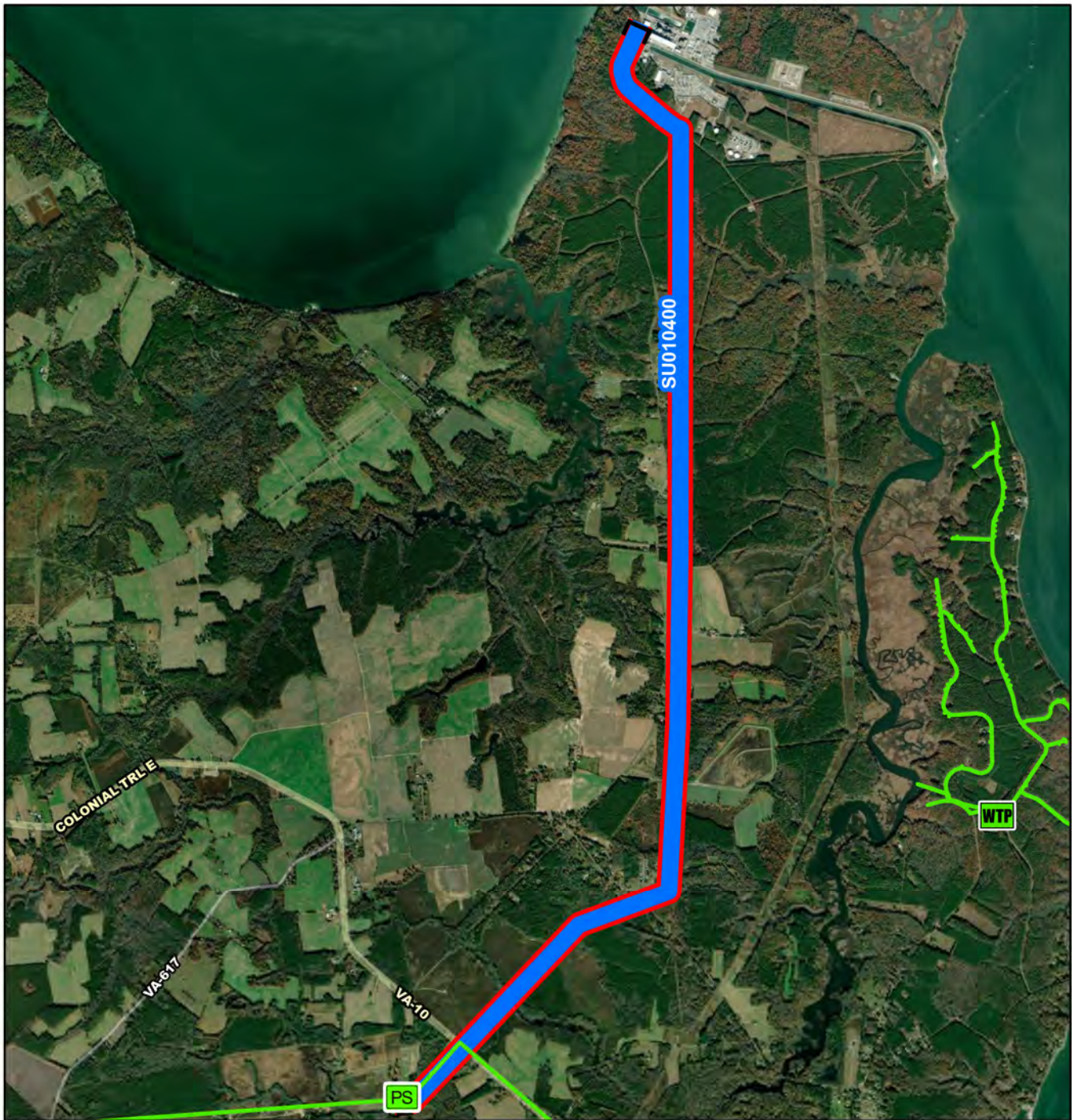
Treatment Plant Projects



CIP Location



Service Area



SU010400

- Project Interceptor Line
- Project Interceptor Point
- Project Pump Station Point
- Project Area

Legend

- CIP Interceptor Point
- CIP Pump Station Point
- CIP Interceptor Line
- CIP Abandonment
- CIP Project Area
- HRSD Interceptor Force Main
- HRSD Interceptor Gravity Main
- HRSD Treatment Plant
- HRSD Pressure Reducing Station
- HRSD Pump Station

0 1,250 2,500 5,000 7,500 10,000 Feet

SU010400

Surry Force Main and Pump Station-Dominion Power Extension



CIP Location





System: Surry
Type: Pipelines

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

PROGRAM CASH FLOW PROJECTION (\$,000)

| Prog Cost | Exp to Previous Year | FY25 | FY26 | FY27 | FY28 | FY29 | FY30 | FY31 | FY32 | FY33 | FY34 |
|-----------|----------------------|---------|------|------|------|------|------|------|------|------|------|
| \$10,070 | \$3,929 | \$6,071 | \$71 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |

PROJECT DESCRIPTION

This project will provide a new 6.7 mile force main and pump station extending from the Surry Nuclear Power Plant to HRSD's Mt. Ray Pump Station. The project will be fully reimbursed 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

Funding Type: Cash

CONTACTS

Contacts-Requesting Dept: Operations-Interceptors
Contacts-Dept Contacts: Ann Copeland
Contacts-Managing Dept: Engineering

PROPOSED SCHEDULE START DATE

| | |
|-----------------|------------|
| PrePlanning | 04/27/2021 |
| PER | 06/02/2021 |
| Design Delay | 02/14/2022 |
| Design | 01/01/2023 |
| Bid Delay | 09/01/2025 |
| PreConstruction | 09/01/2025 |
| Construction | 12/04/2023 |
| Closeout | 06/01/2025 |

COST ESTIMATE

| | |
|----------------------|--------------|
| Cost Estimate Class: | Class 1 |
| PrePlanning | \$0 |
| PER | \$0 |
| Design | \$8,233,277 |
| PreConstruction | \$25,000 |
| Construction | \$50,000 |
| Closeout | \$50,000 |
| Est. Program Cost | \$8,358,277 |
| Contingency Budget | \$2,470,000 |
| Est. Project Costs | \$10,828,277 |