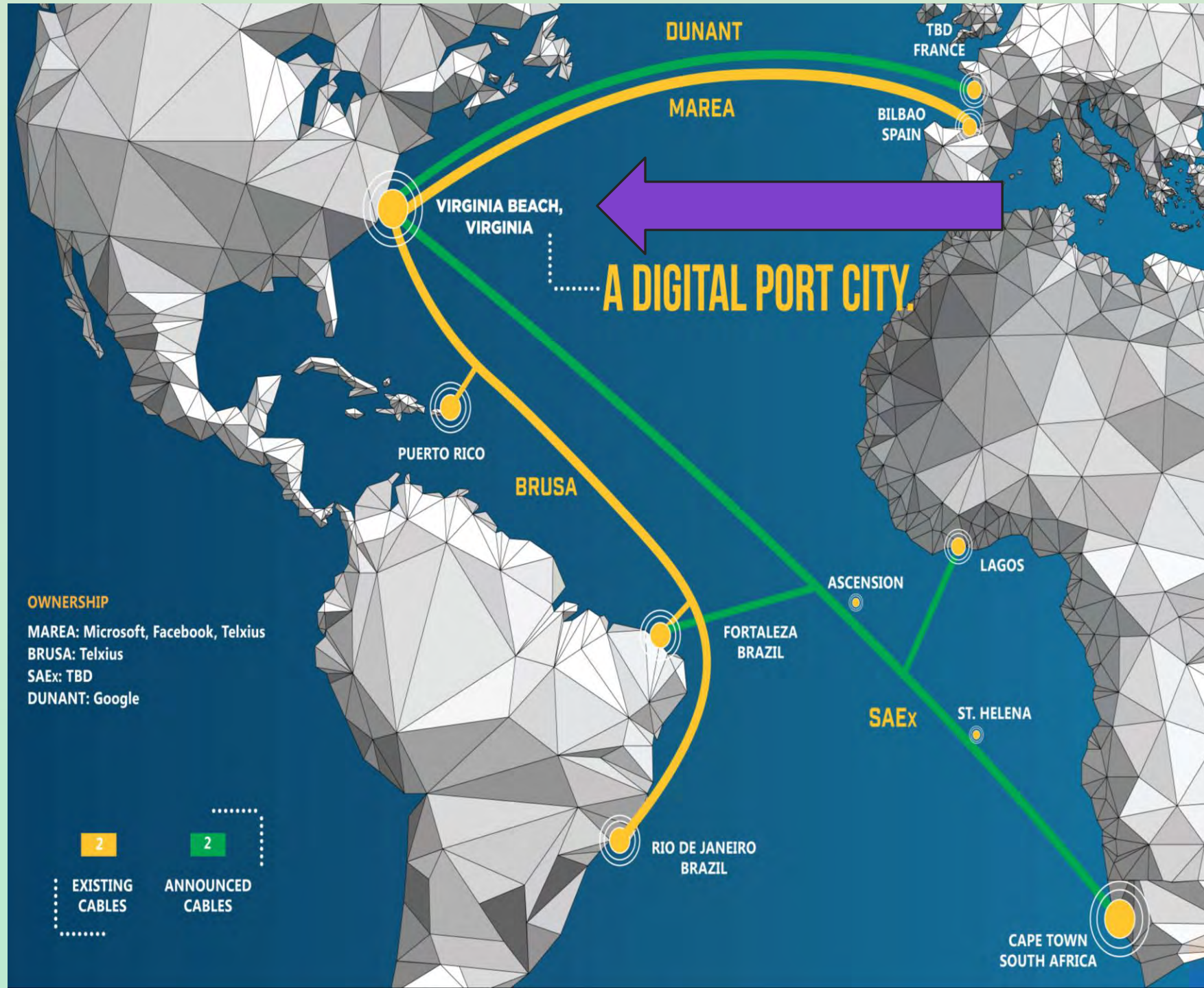


Regional Broadband Update

Opportunities for Peninsula Localities

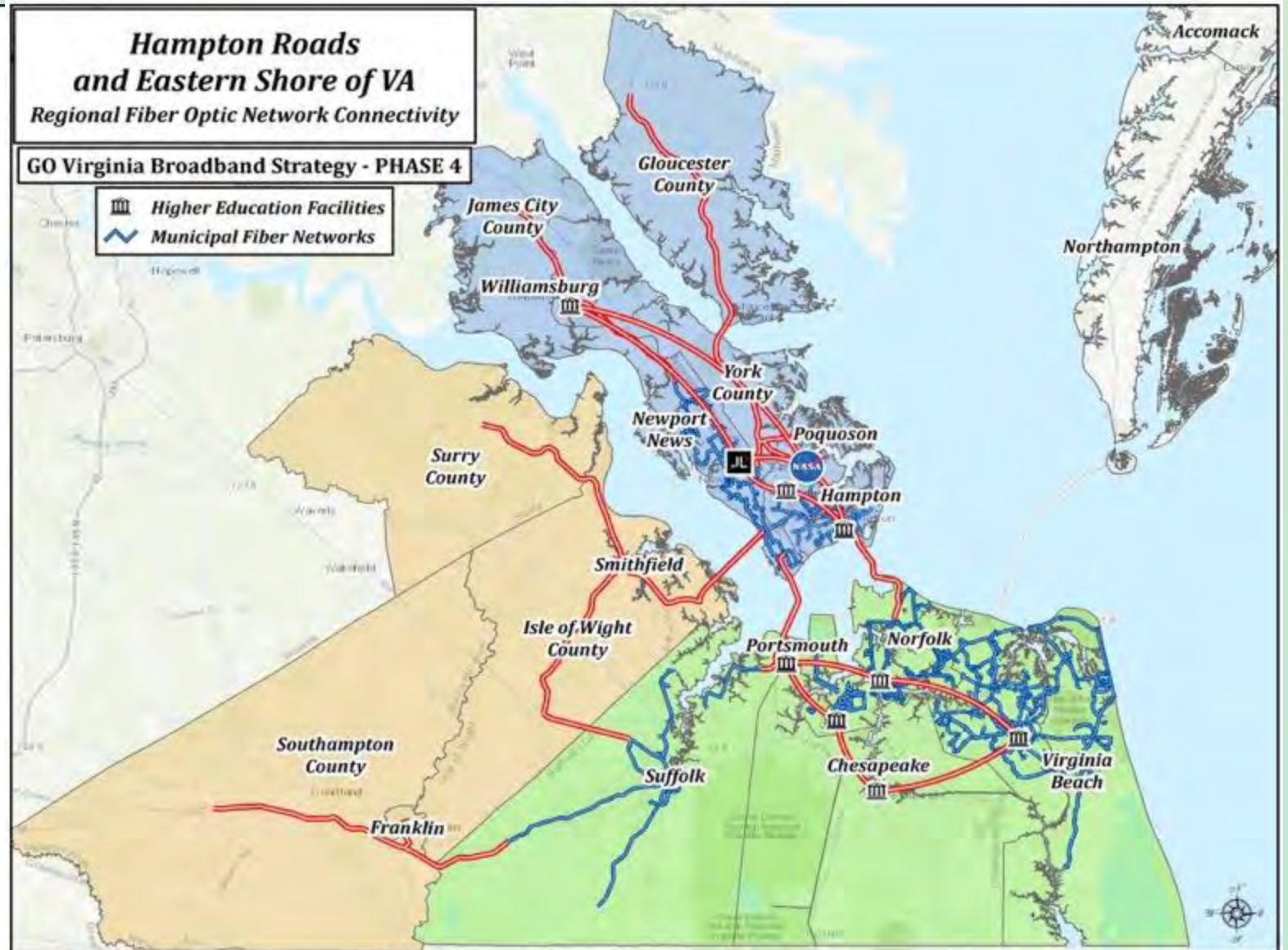
March 18, 2022





Our Vision

Ultimately,
this will be a
**Fiber Optic
Network Ring**
that will connect our
entire 757 Region.



Think National Highway System Without Any Secondary Roads

Our Interstates are the Backbone of the Entire U.S. Roadway System



Our Digital Highway Consists of 288 Digital Strands

Fiber optics (optical fibers) are long, thin strands of very pure glass about the diameter of a human hair.

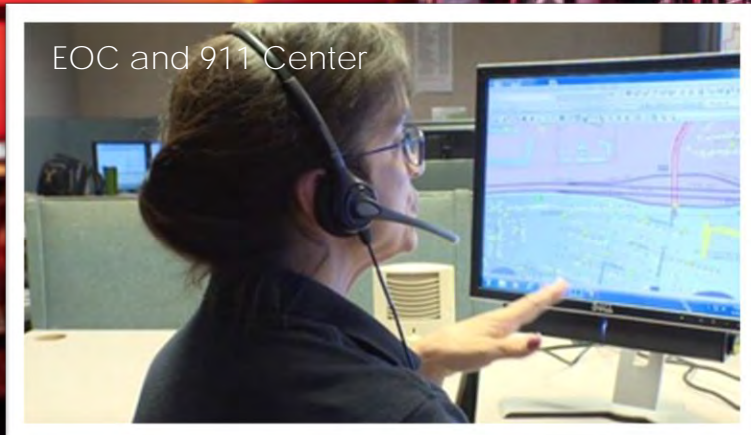
8 Strands Reserved for Cities in the Network*


Some Strands Reserved for Education

Other Strands Reserved for Public Safety

The Regional Network Ring Will

Improve the Interoperability of Our Region's Emergency Response System





The Regional Network Ring Will

Help The Region Navigate Flooding and Sea Level Rise



Improving Real Time Response

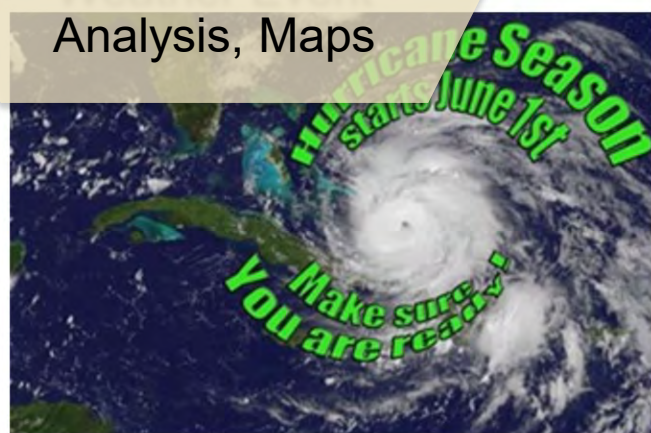


TITAN:

Tidal inundation tracking application – storm surge tracking

sensors everywhere

STORM SENSE
Weather Event
Analysis, Maps



Water Level Monitoring System(WLMS)

The Regional Network Ring Will

Help Support the Future of Autonomous Vehicles



Southside Network Authority (SNA)

Created November 2019

Chesapeake, Norfolk, Portsmouth, Suffolk and Virginia Beach

SNA goal is to enable lower cost, faster service and enhanced broadband coverage via our Regional Connectivity Ring

Designed to allow for expansion to other localities

Current name a placeholder

Southside Network Authority

- Step 1: Five Southside cities collectively contributed \$500,000 to complete Planning and 30% Design work for the Southside Fiber Ring
- Step 2: Five Southside cities acquired the services of Columbia Telecommunications Corporation (CTC) to advance design work to refine routing (economic development areas) 70% construction level design

Our Team

Steven DeBerry

SNA Executive Director

Columbia Telecommunications Corporation

Construction Oversight and
Technical Support to SNA

Danella Construction

Construction of Southside fiber
ring

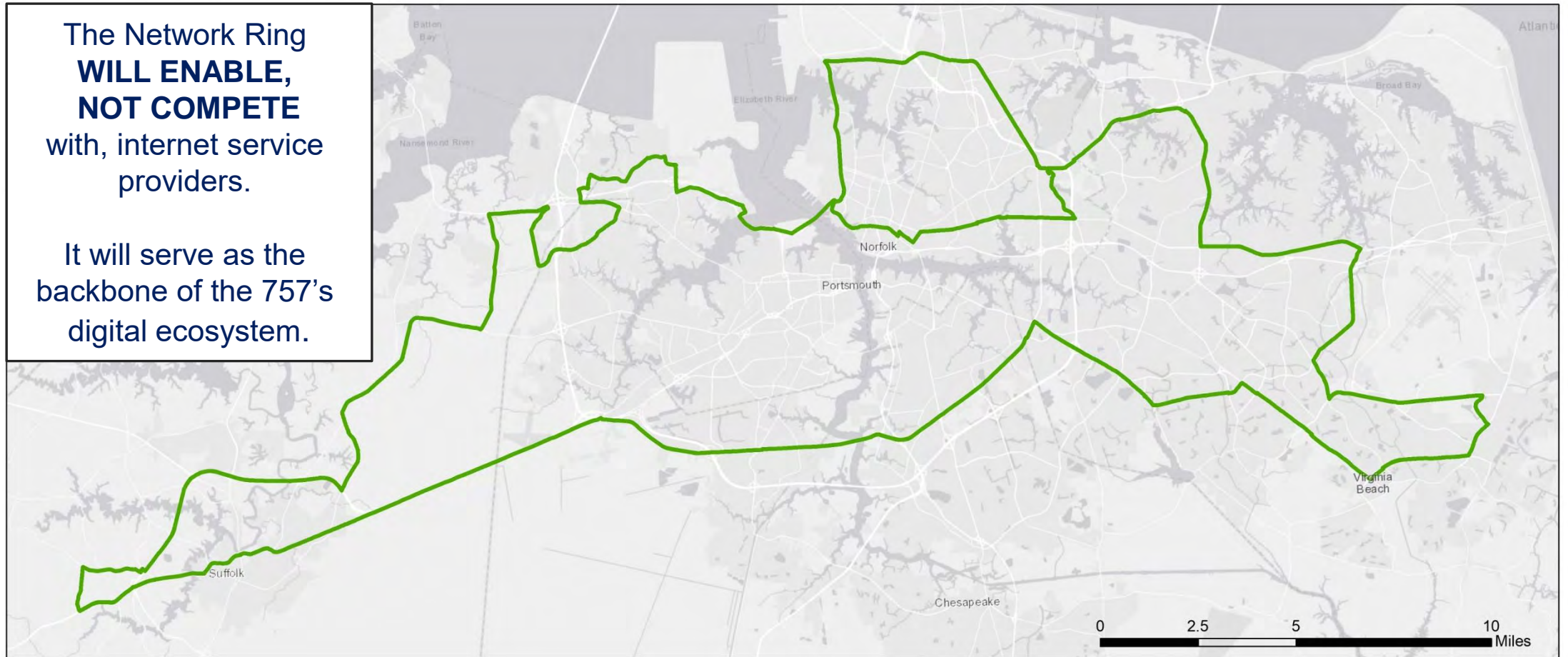
Global Technical Systems

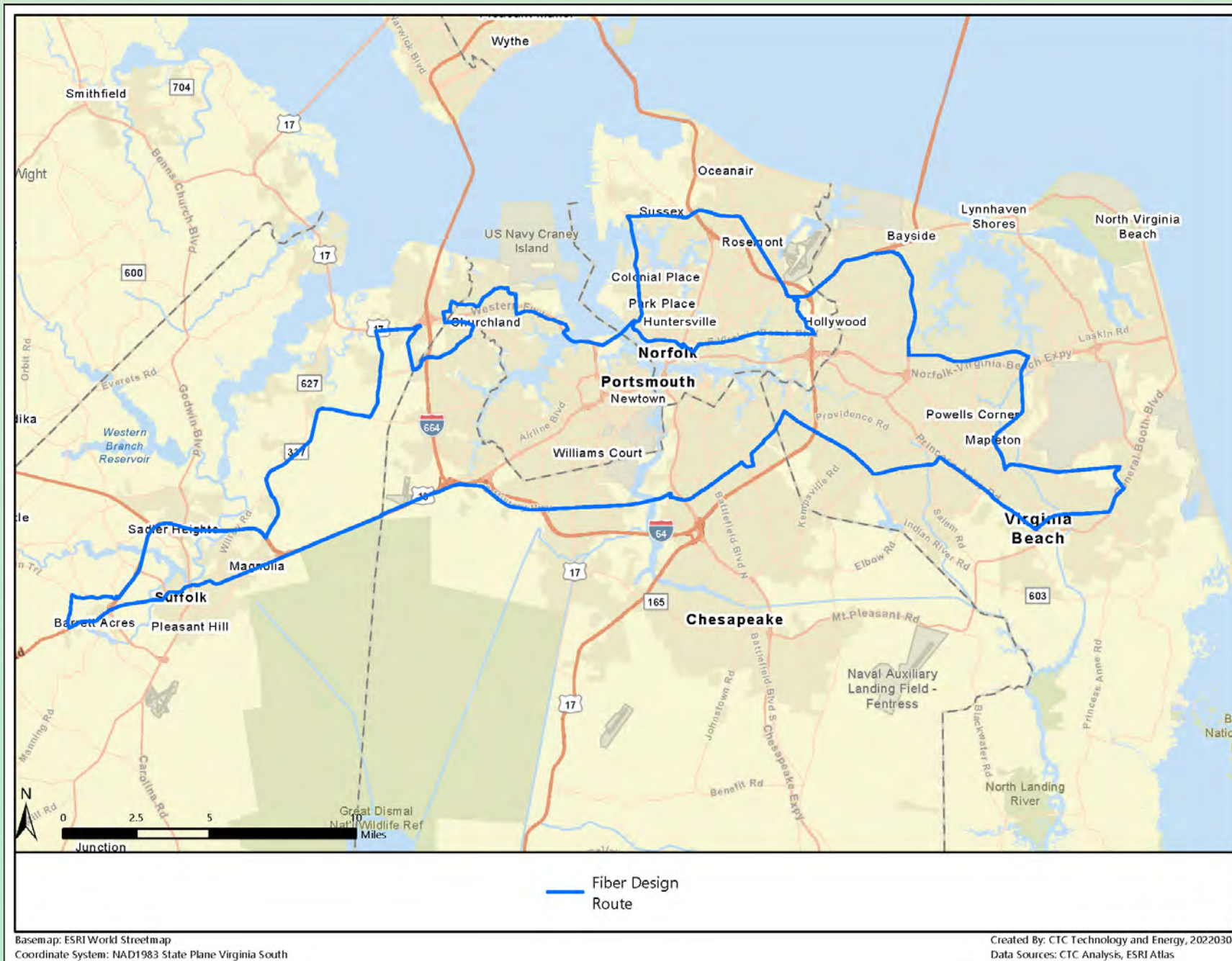
In negotiations for operation
and maintenance of fiber ring

Updated Regional Fiber Ring Southside Phase I

The Network Ring
**WILL ENABLE,
NOT COMPETE**
with, internet service
providers.

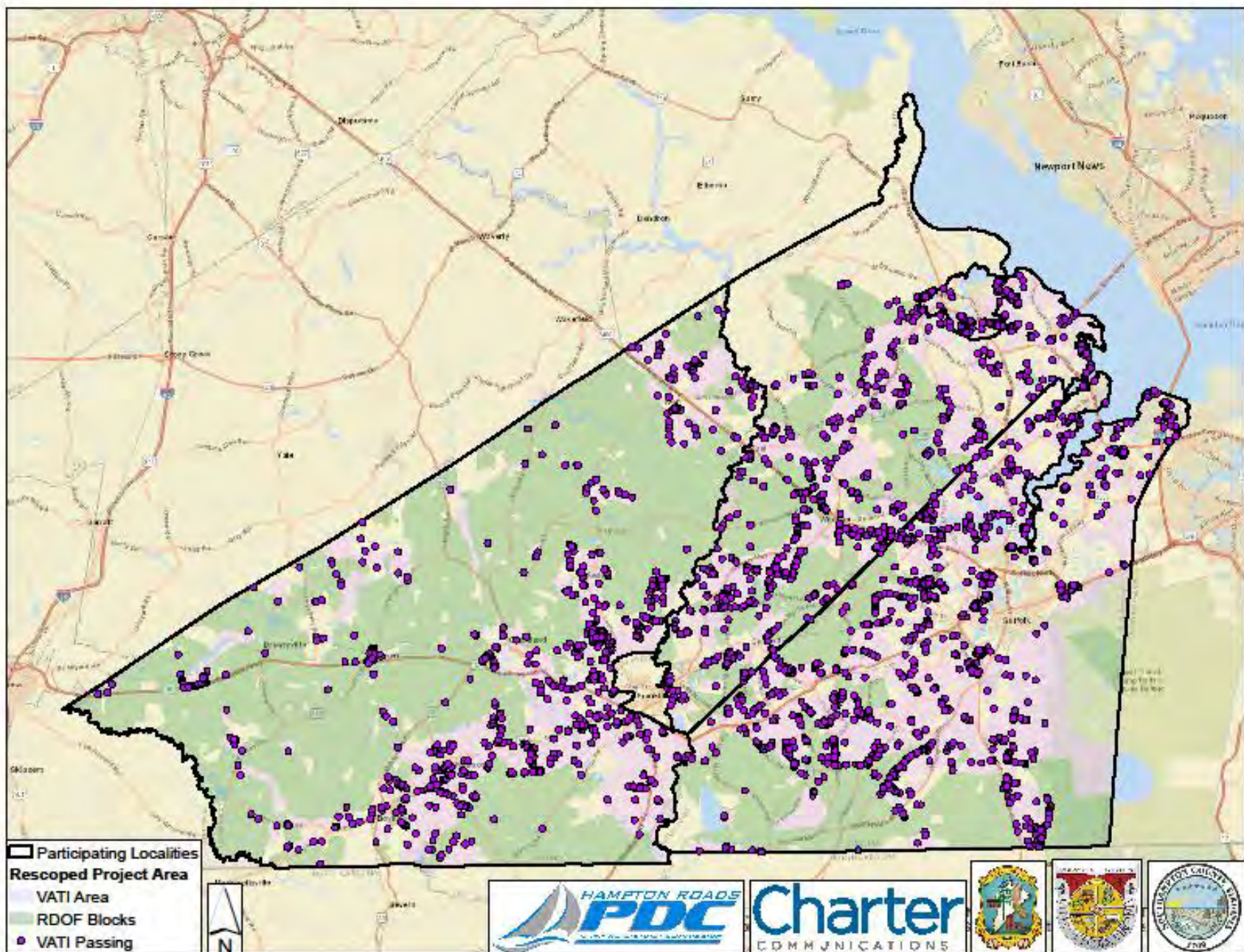
It will serve as the
backbone of the 757's
digital ecosystem.





Fiber Ring Project Participation Agreement





Peninsula Potential Next Steps

General discussion among Peninsula CAOs (today)

Convene team of IT representatives from each Peninsula locality to evaluate opportunities and make recommendations to CAOs

Peninsula Strategy - Notional

Phase One Outcomes

