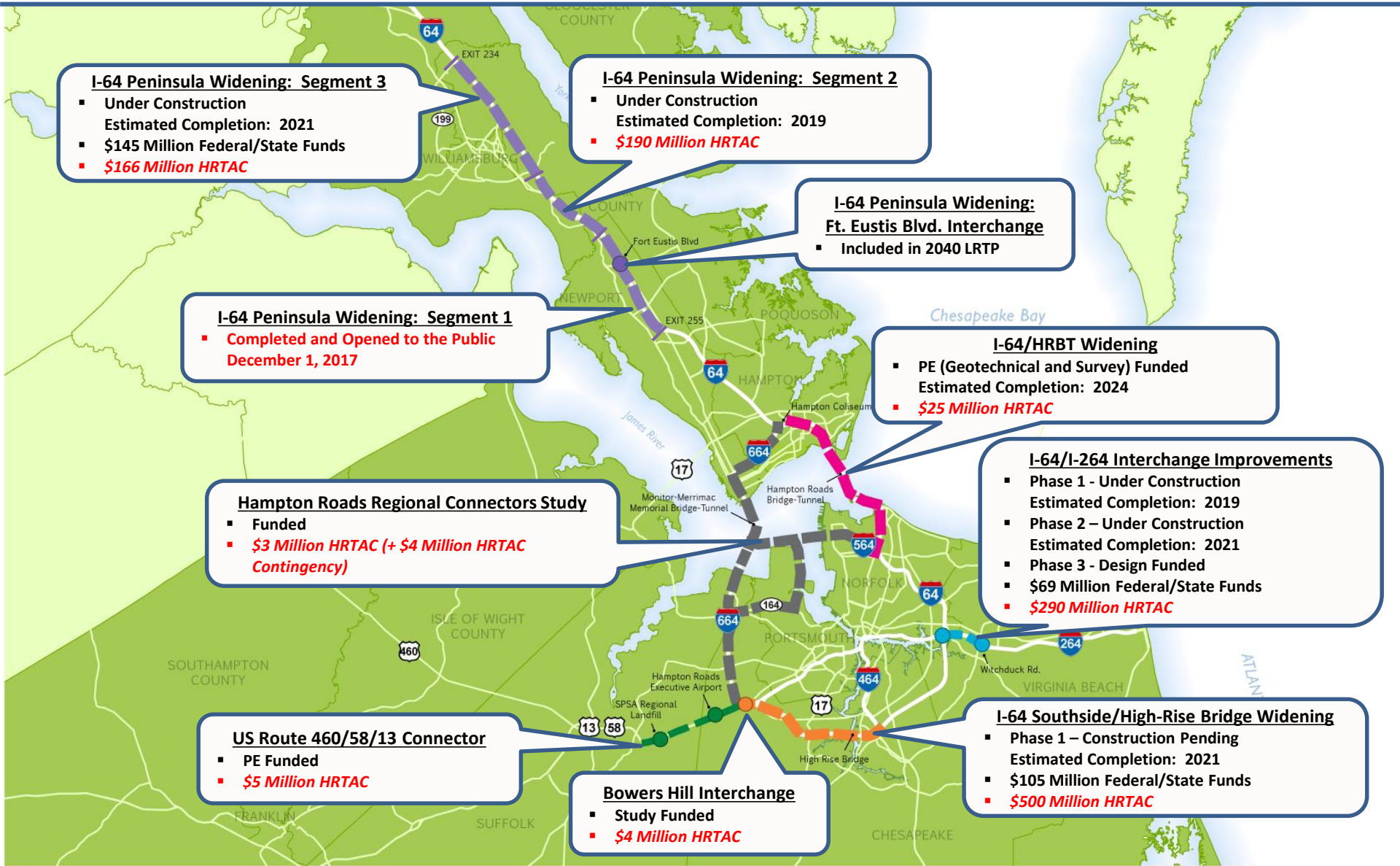
Regional Projects
and
Planning Efforts

York County
Board of Supervisors
August 6, 2019

Hampton Roads Regional Transportation Priority Projects

"Moving Projects Forward – HRTAC Investments"

Projects Planned and Prioritized by HRTPO, Powered by HRTAC

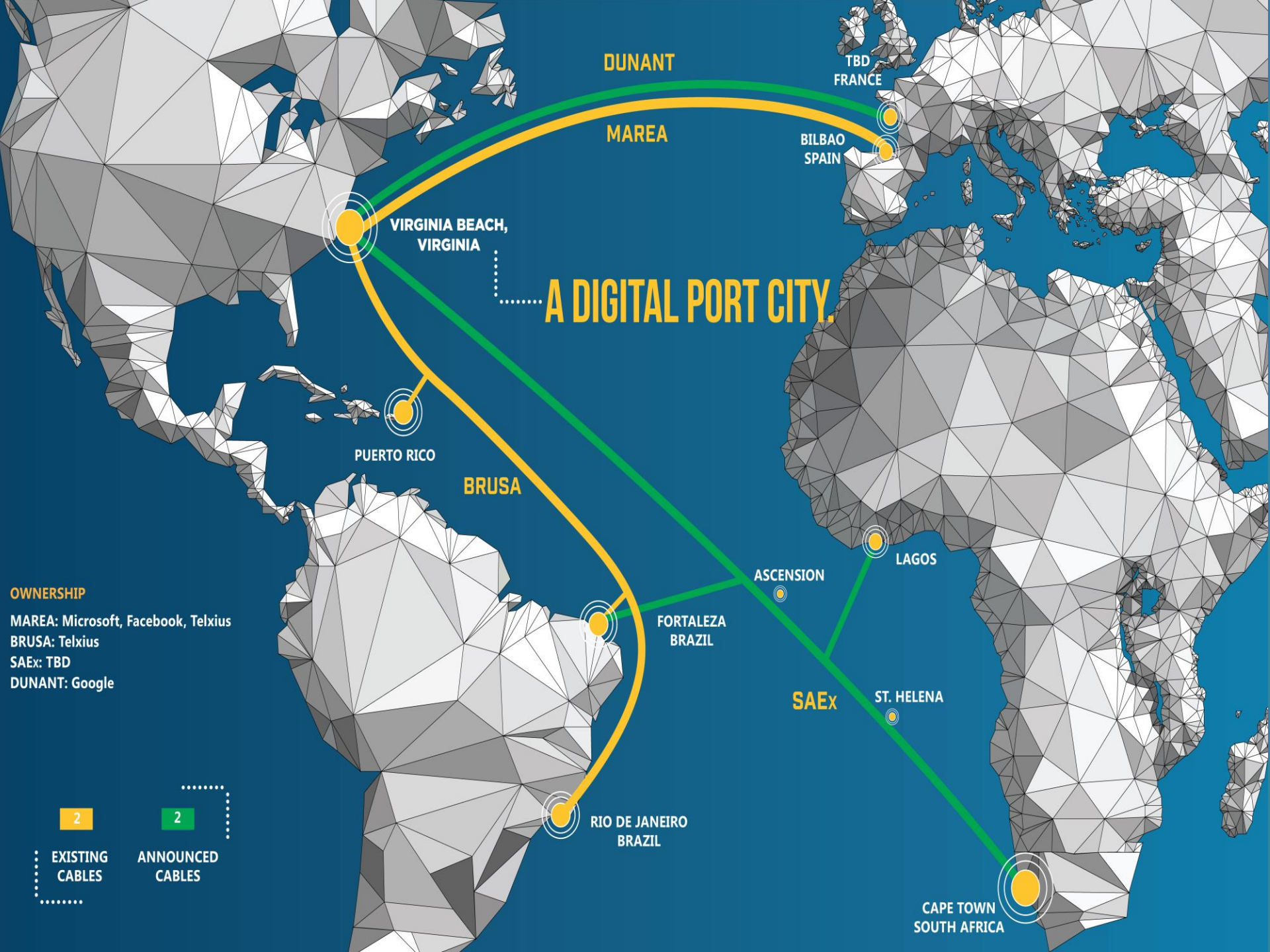


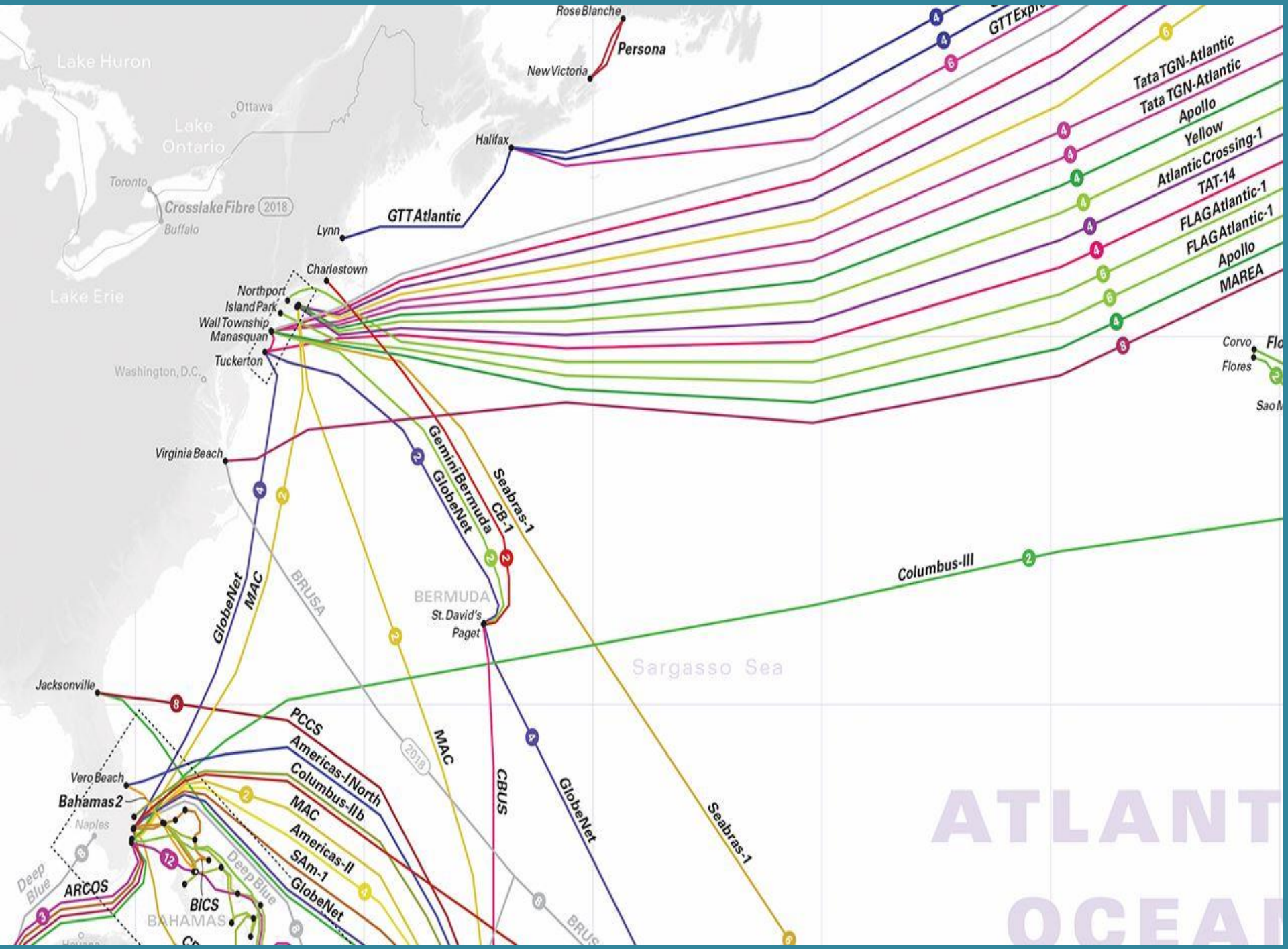
Hampton Roads Regional Priority Projects

ESTIMATED OPENING YEAR	PROJECT	ESTIMATED PROJECT COST ($MILLIONS)
2017-2022	I-64 Peninsula – Segments 1, 2, and 3	$624
2019-2021	I-64/I-264 Interchange – Phases I and II	$347
2021	I-64 Southside/High-Rise Bridge – Phase I	$600
2019	US 460/58/13 Connector – PE	$5
2024	I-64/Hampton Roads Bridge-Tunnel	$3,800
2037	I-64 Southside/High-Rise Bridge – Phase II	$1,700
2037	Bowers Hill Interchange	$659
2038	US 460/58/13 Connector	$396
2038	I-64/Fort Eustis Blvd Interchange	$320
Vision Plan	I-564/I-664 Connector (Patriots Crossing) I-664/Monitor-Merrimac Memorial Bridge-Tunnel VA 164/164 Connector	

the heartbeat of HAMPTON ROADS TPO
Transportation Planning Organization

Regional Broadband Initiative


DUNANT
MAREA
TBD
FRANCE
BILBAO
SPAIN
VIRGINIA BEACH,
VIRGINIA
A DIGITAL PORT CITY.
PUERTO RICO
BRUSA
LAGOS
ASCENSION
FORTALEZA
BRAZIL
SAEx
ST. HELENA
RIO DE JANEIRO
BRAZIL
CAPE TOWN
SOUTH AFRICA
OWNERSHIP
MAREA: Microsoft, Facebook, Telxius
BRUSA: Telxius
SAEx: TBD
DUNANT: Google
2
EXISTING
CABLES
2
ANNOUNCED
CABLES


Rose Blanche
Persona
New Victoria
Lake Huron
Ottawa
Lake Ontario
Halifax
Toronto
Crosslake Fibre 2018
Buffalo
GTT Atlantic
Lynn
Charlestown
Lake Erie
Northport
Island Park
Wall Township
Manasquan
Tuckerton
Washington, D.C.
Virginia Beach
Tata TGN-Atlantic
Tata TGN-Atlantic
Apollo
Yellow
Atlantic Crossing-1
TAT-14
FLAG Atlantic-1
FLAG Atlantic-1
Apollo
MAREA
Corvo
Flores
Gemini Bermuda
GlobeNet
Seabras-1
CB-1
Columbus-III
GlobeNet
MAC
BRUSA
BERMUDA
St. David's
Paget
Sargasso Sea
Jacksonville
PCCS
Americas-I North
Columbus-IIb
MAC
Americas-II
SAm-1
GlobeNet
MAC
2018
CBUS
GlobeNet
Seabras-1
Vero Beach
Bahamas 2
Naples
Deep Blue
ARCOS
BICS
BAHAMAS
Deep Blue
BRUS
ATLANT
OCEAN

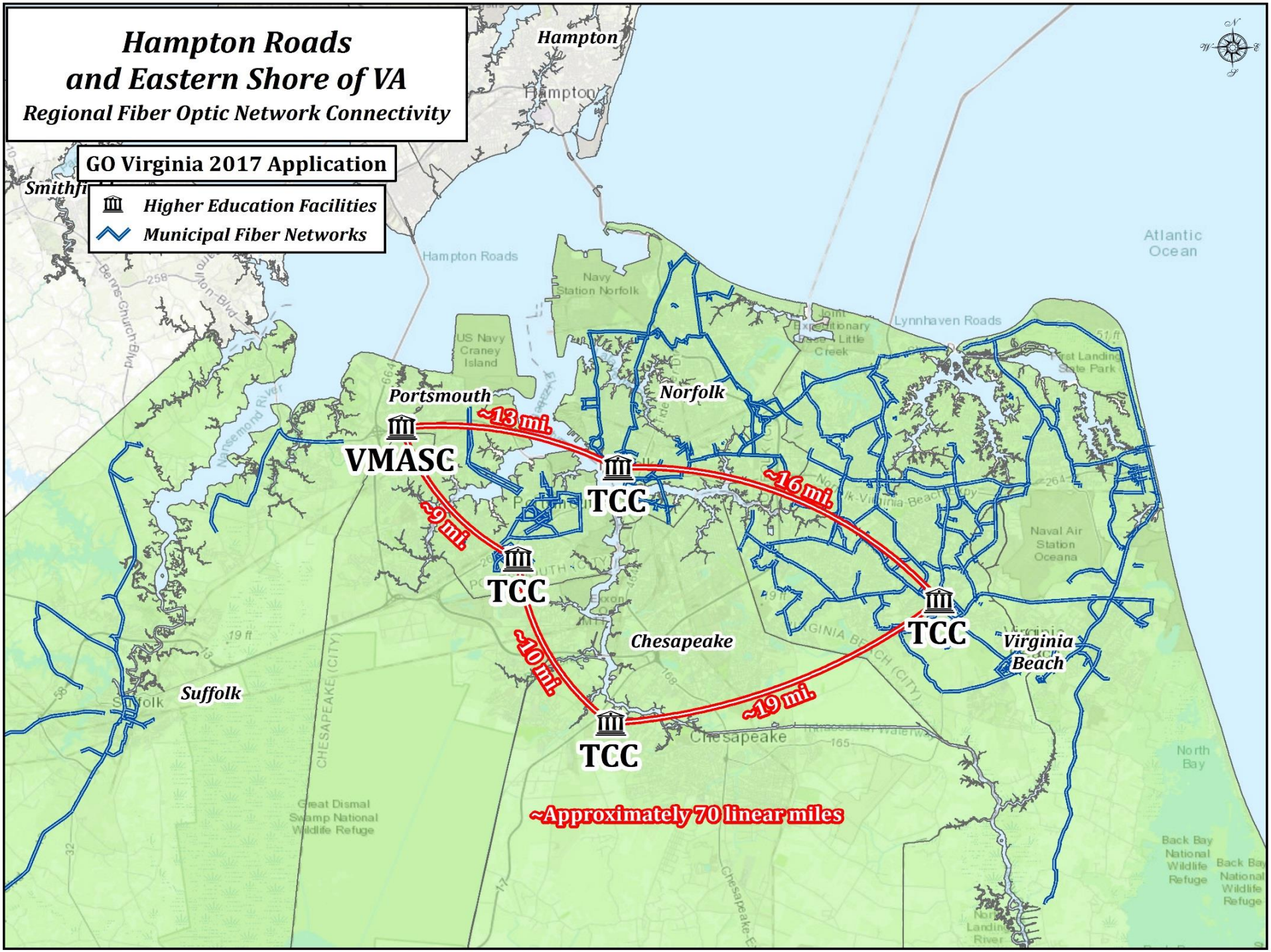
CABLE LANDING SITE
MANHOLE
CAMP PENDLETON
DAM NECK BASE
(U.S. GOV'T)
CITY RIGHT-OF-WAY CONNECTION
Bells Rd
Warehouse Rd
Coastal Dr
Croatan Hills Dr
Virginia Beach Dr
S Maryland Ave
Mace Hill St
Jefferson Ave
Rifle Range Road
Rifle Range Rd
Birdneck Road
S Birdneck Rd
Regulus Ave
Barage Rd
Ocean Breeze Pkwy
7th St
6th St
5th St
4th St
3rd St
2nd St
1st St

Hampton Roads and Eastern Shore of VA

Regional Fiber Optic Network Connectivity

GO Virginia 2017 Application

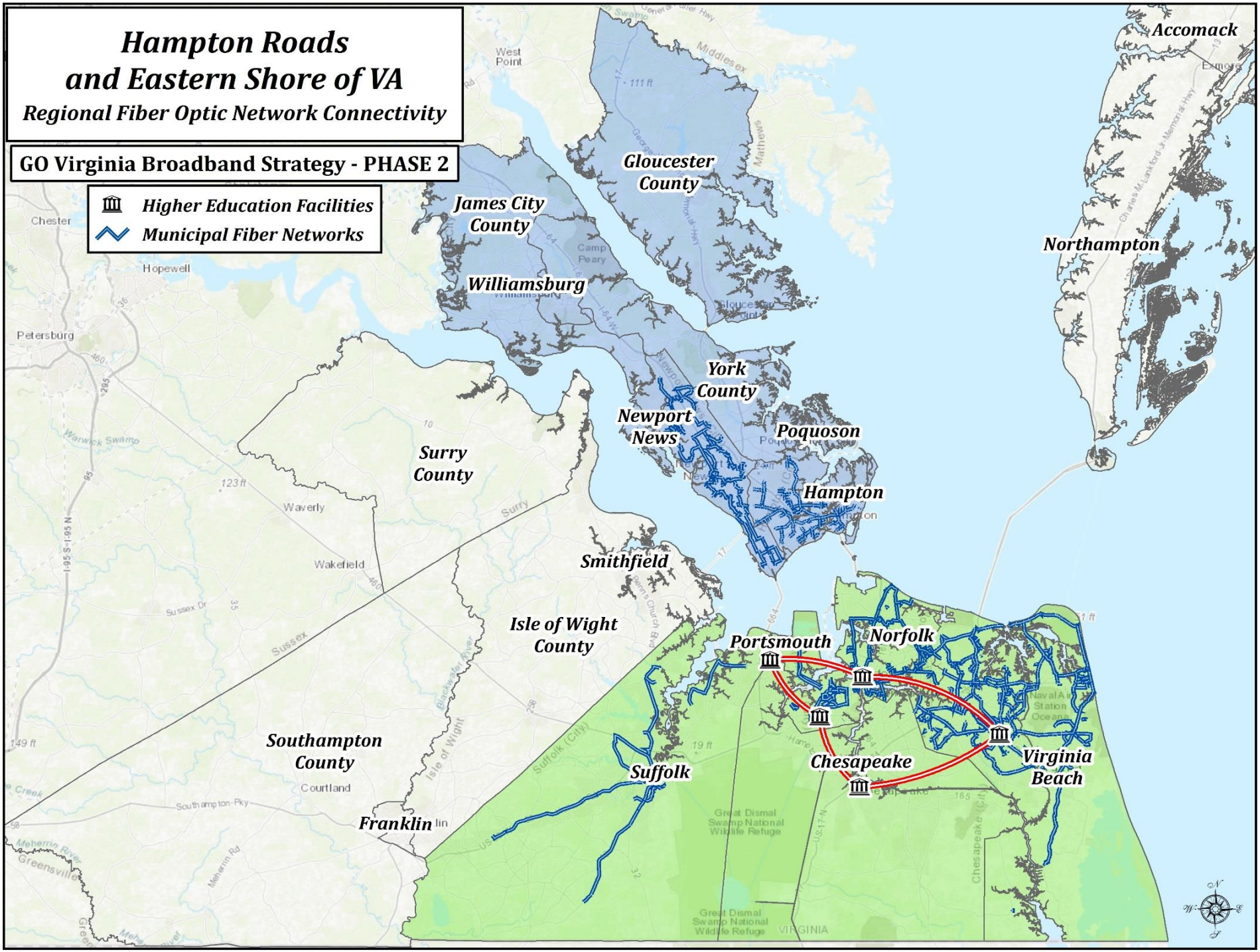
- Higher Education Facilities
- Municipal Fiber Networks



Hampton Roads and Eastern Shore of VA

Regional Fiber Optic Network Connectivity

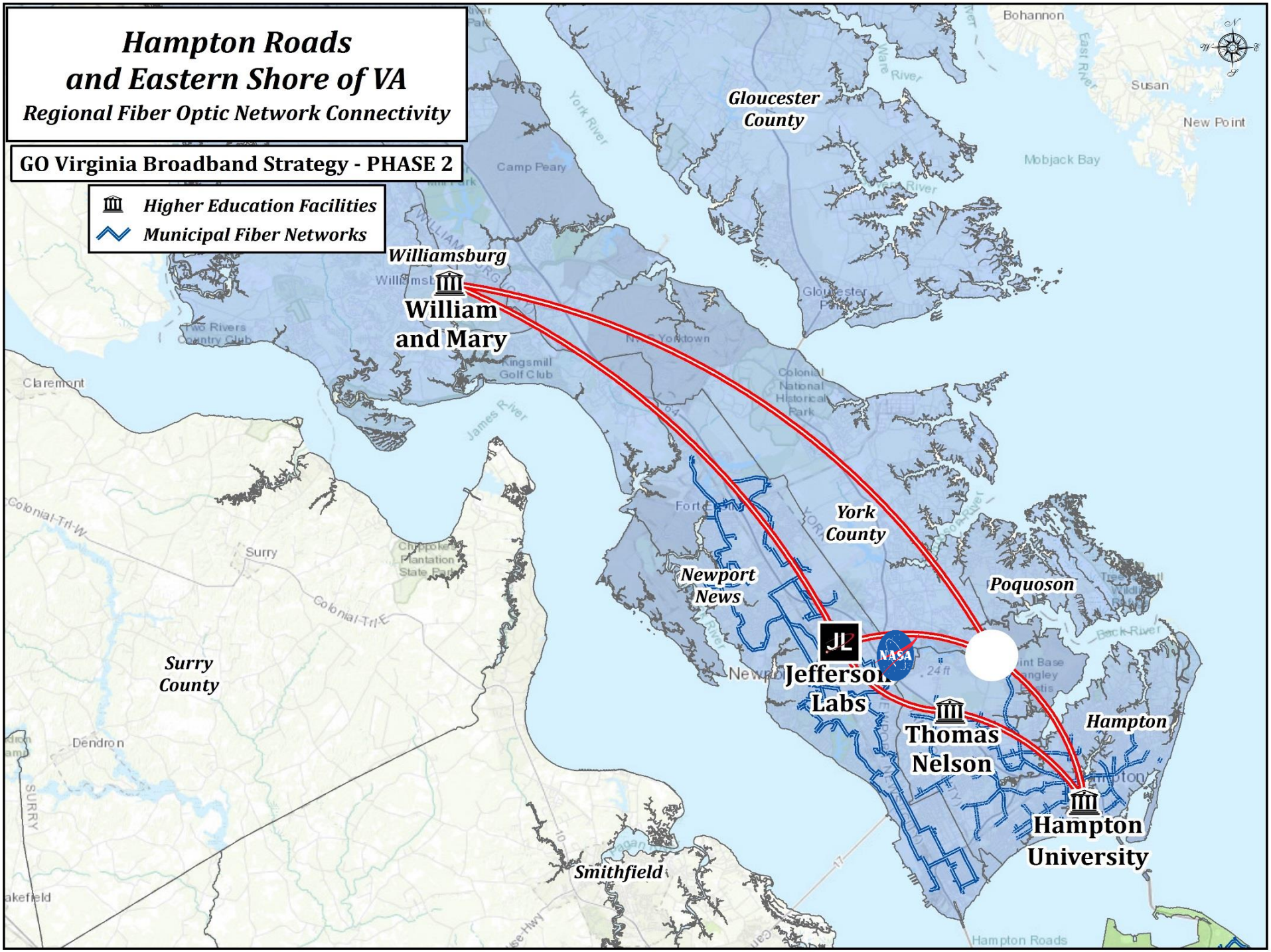
GO Virginia Broadband Strategy - PHASE 2



Hampton Roads and Eastern Shore of VA

Regional Fiber Optic Network Connectivity

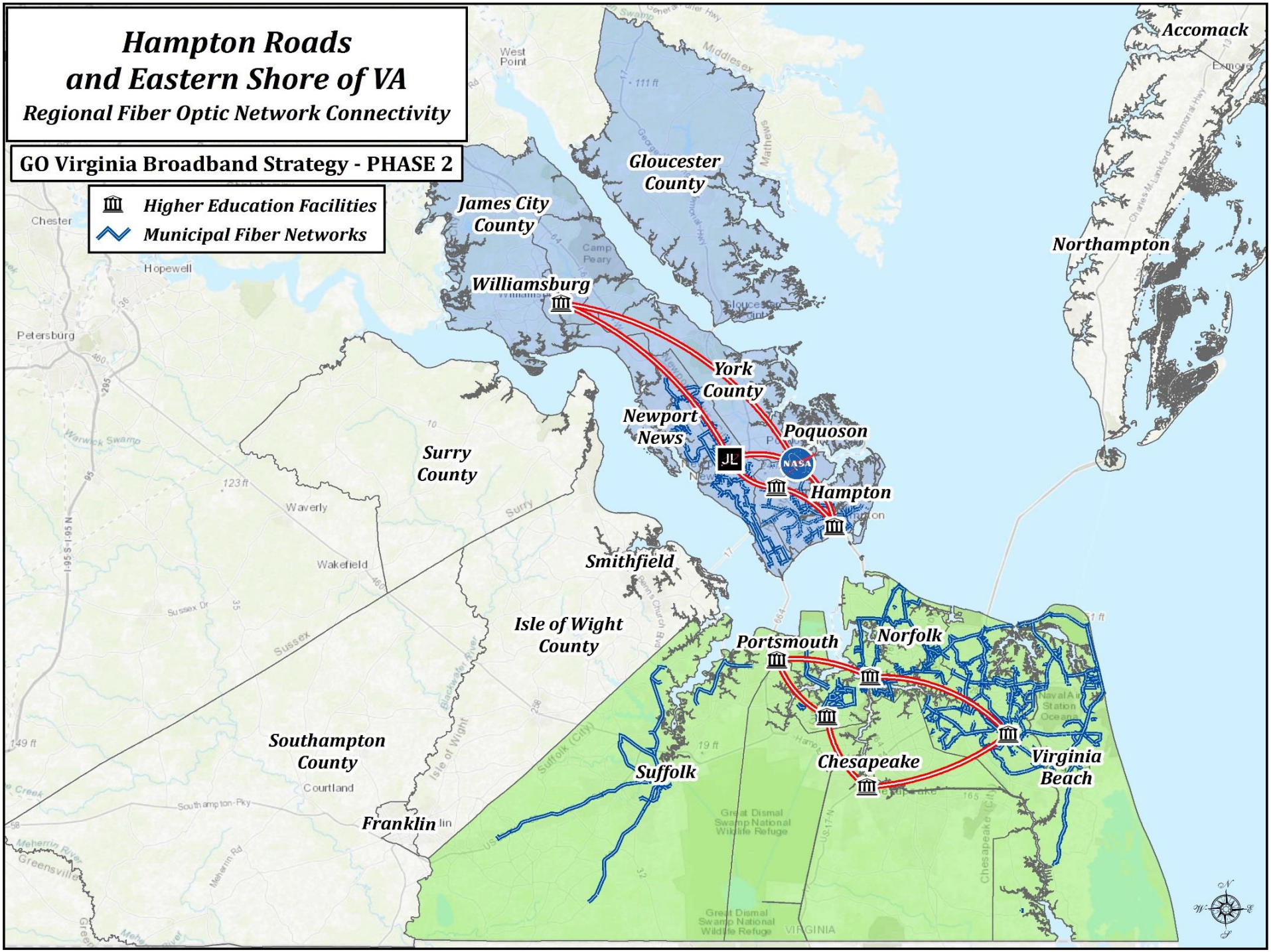
GO Virginia Broadband Strategy - PHASE 2



Hampton Roads and Eastern Shore of VA

Regional Fiber Optic Network Connectivity

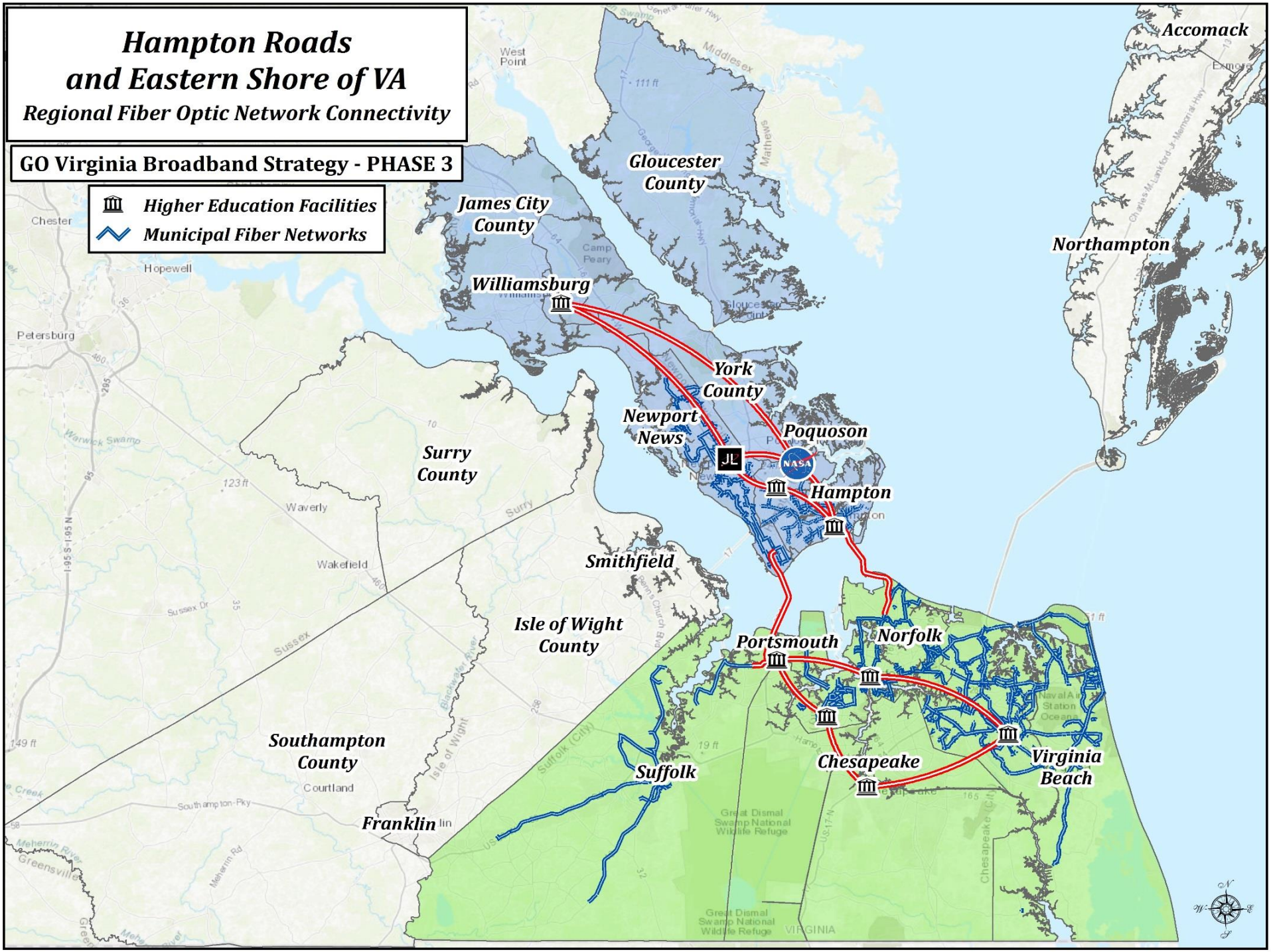
GO Virginia Broadband Strategy - PHASE 2



Hampton Roads and Eastern Shore of VA

Regional Fiber Optic Network Connectivity

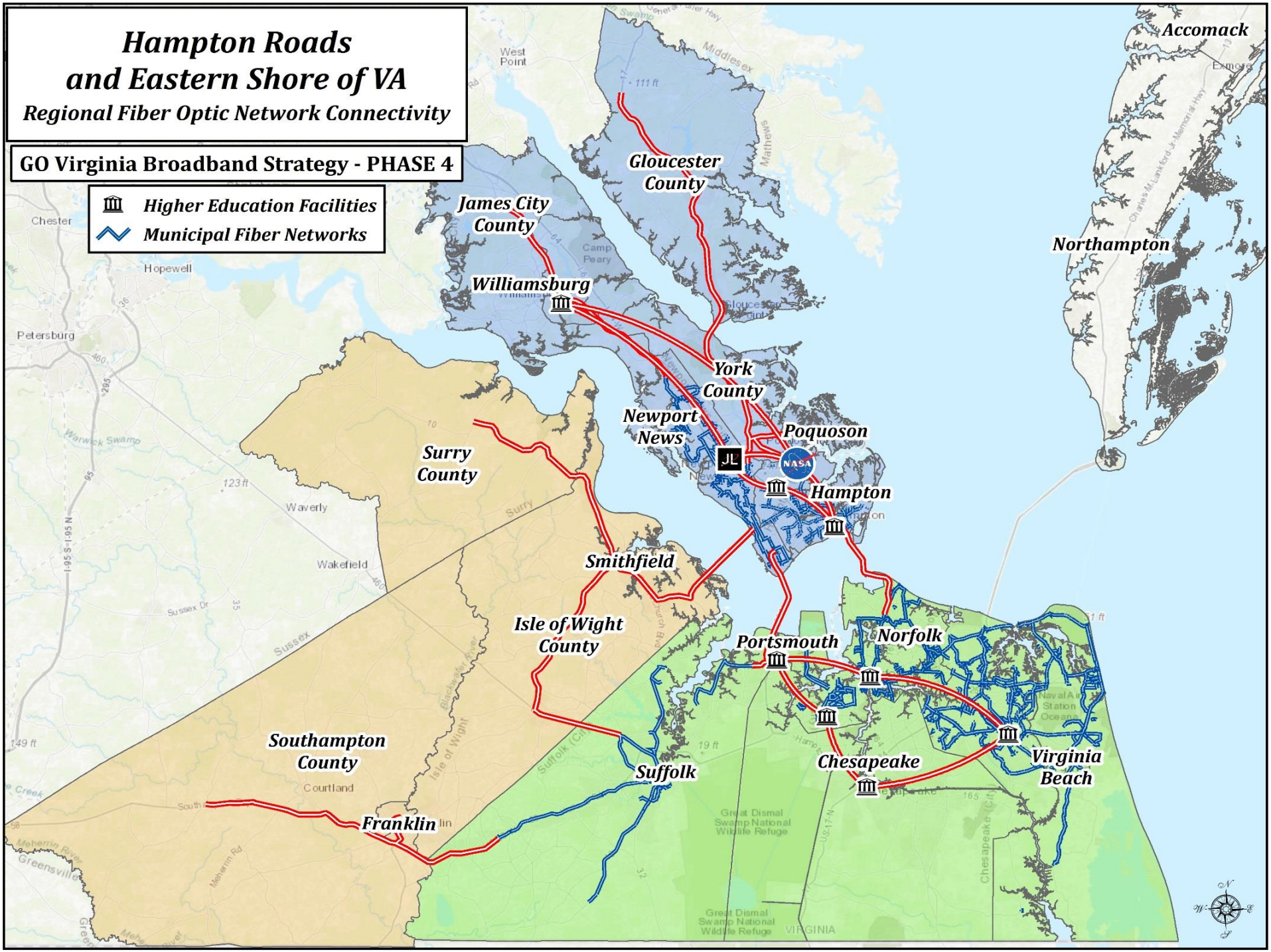
GO Virginia Broadband Strategy - PHASE 3



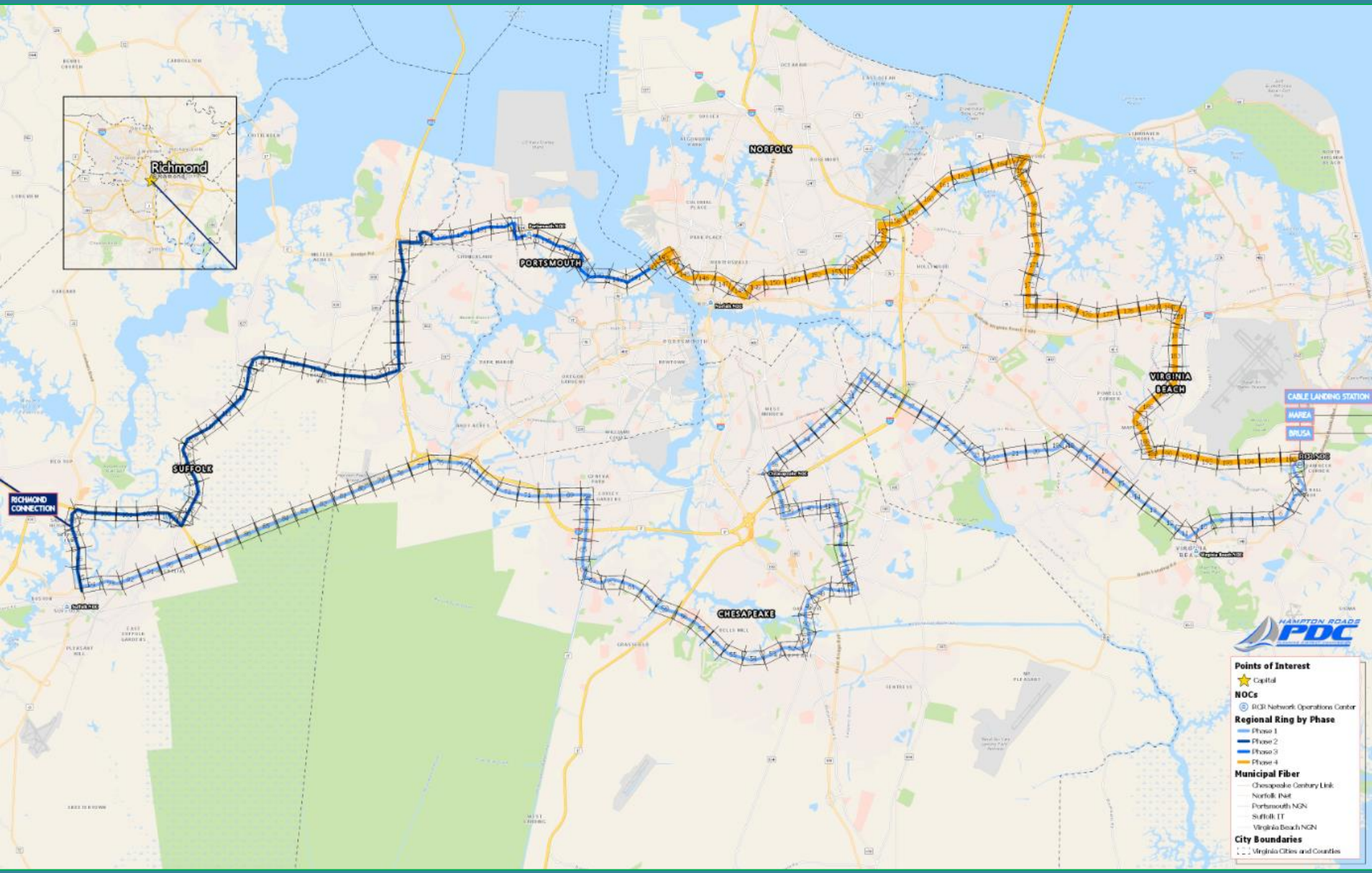
Hampton Roads and Eastern Shore of VA

Regional Fiber Optic Network Connectivity

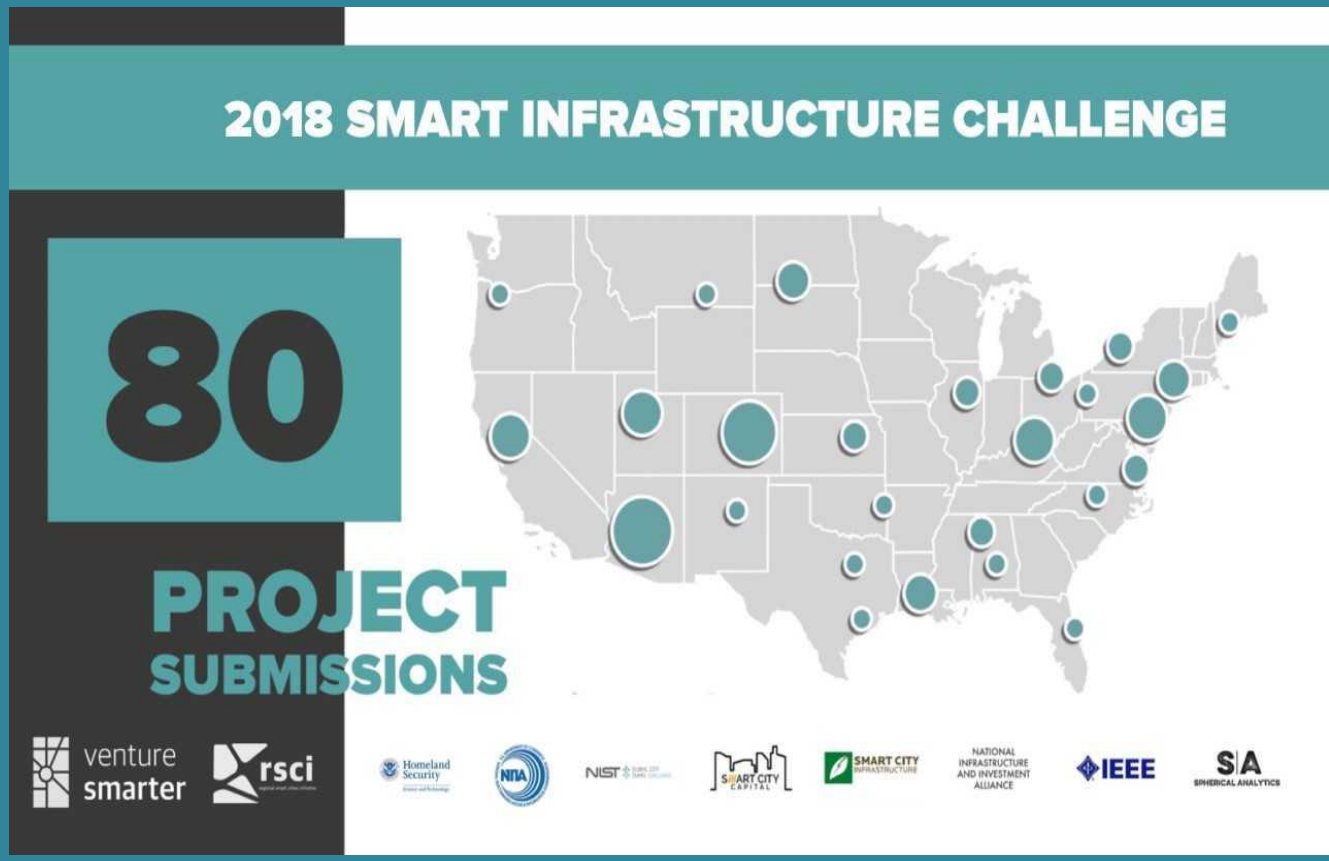
GO Virginia Broadband Strategy - PHASE 4



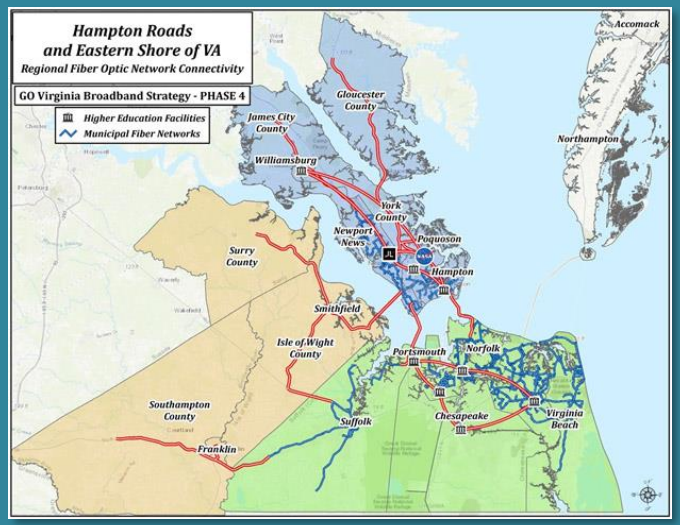
Regional Broadband-Southside



- 69 Regional Response Teams
- 80+ Project Plans
- 250+ Collaborating Governments and Universities
- 500+ participating organizations
- $3+ billion in project financing available for projects to scale



Regional Broadband-Southside

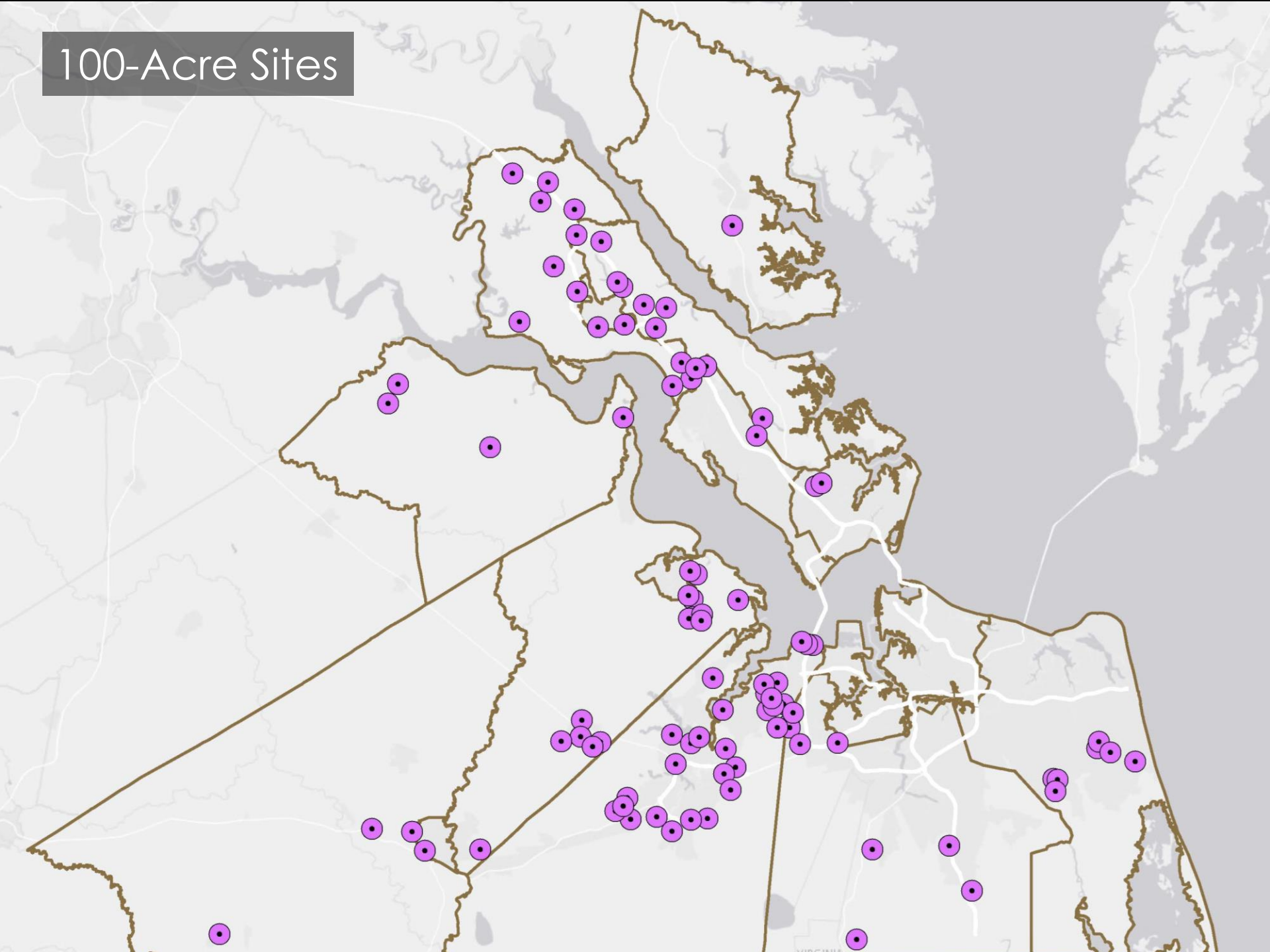


https://www.youtube.com/watch?v=D-lNjSKtUcs&feature=youtu.be

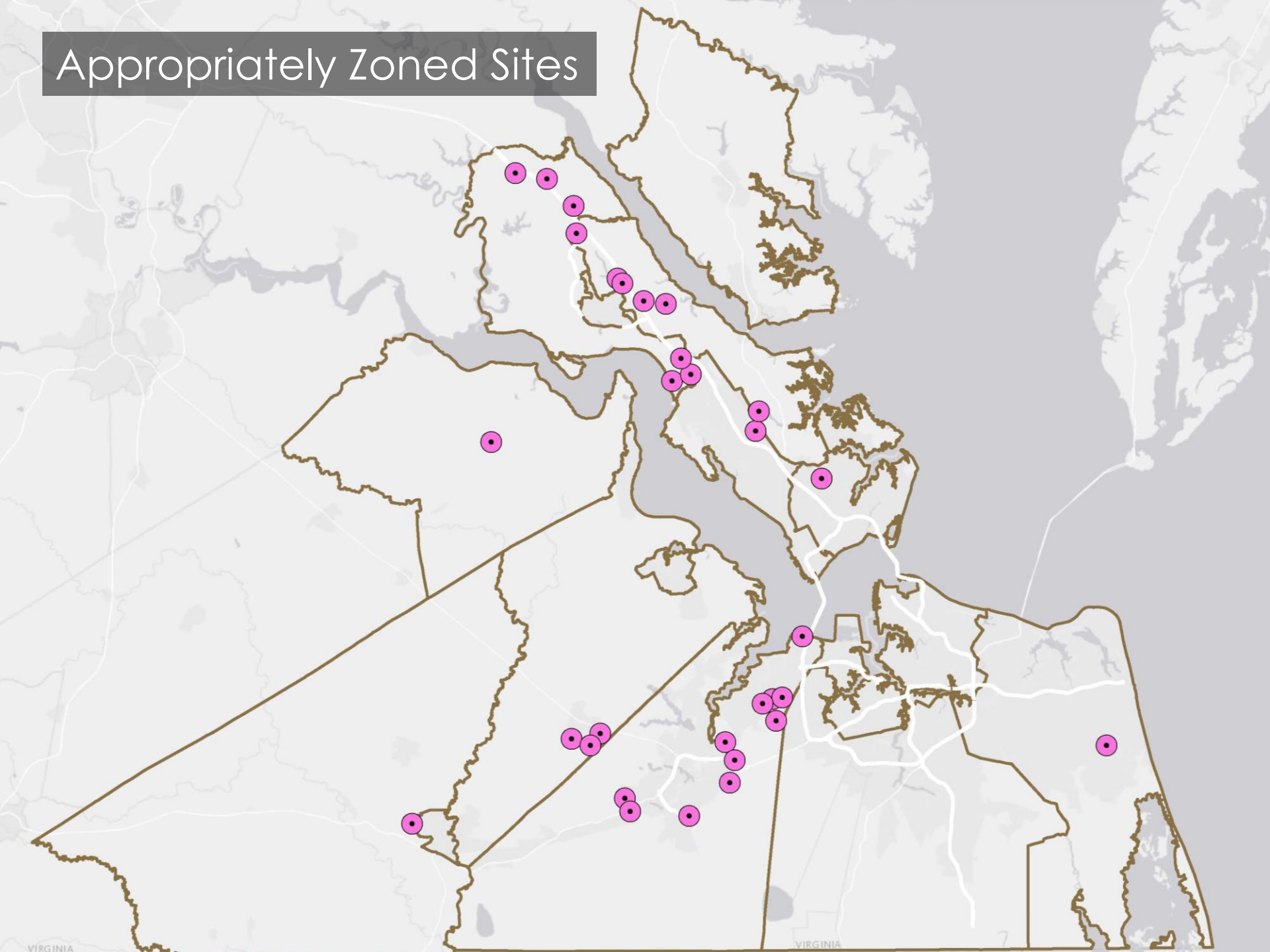
swift Sustainable Water Initiative for Tomorrow

http://swiftva.com/swift-videos/

100-Acre Sites



Appropriately Zoned Sites



HRC North Park (Hampton)

Property Information	
Location	Hampton
Address	Commander Shepard Blvd. at North Campus Pkwy.
Ownership	Public
Site Size	350
Developable Acres	~200
Zoning	HRC-2 (Hampton Roads Center-2)
Due Diligence Studies Complete*	Yes

* Wetlands determination; geotechnical borings; surveys; cultural and endangered species review, and Phase I ESA

Electricity	
Provider	Dominion
Current Capacity	8MW
Distance to site if not available	N/A
Timeframe to provide 3MW Service	Immediately
Timeframe to provide 15MW Service	More than 1 year

Natural Gas	
Provider	Virginia Natural Gas
Current Capacity (MCF/month)	N/A
Distance to site if not available	1016'
Timeframe to provide 10,000 MCF/Month	Within 1 year
Timeframe to provide 750,000 MCF/Month	Contact VNG

Water	
Provider	Newport News Waterworks
Main Size at Site	16"
Capacity to Site	1.7 MGD
Available Fire Flow (GPM)	>2,500
Distance to site if not available	N/A
Timeframe to provide 100,000 GPD	Immediately
Timeframe to provide 500,000 GPD	Immediately

Sewer	
Provider	City of Hampton / HRSD
Line Size and Type at Site	8" and 10"
Distance to site if not available	N/A
Will service extension require a gravity main or force main and pump station?	Upgrades may be required depending on type of development

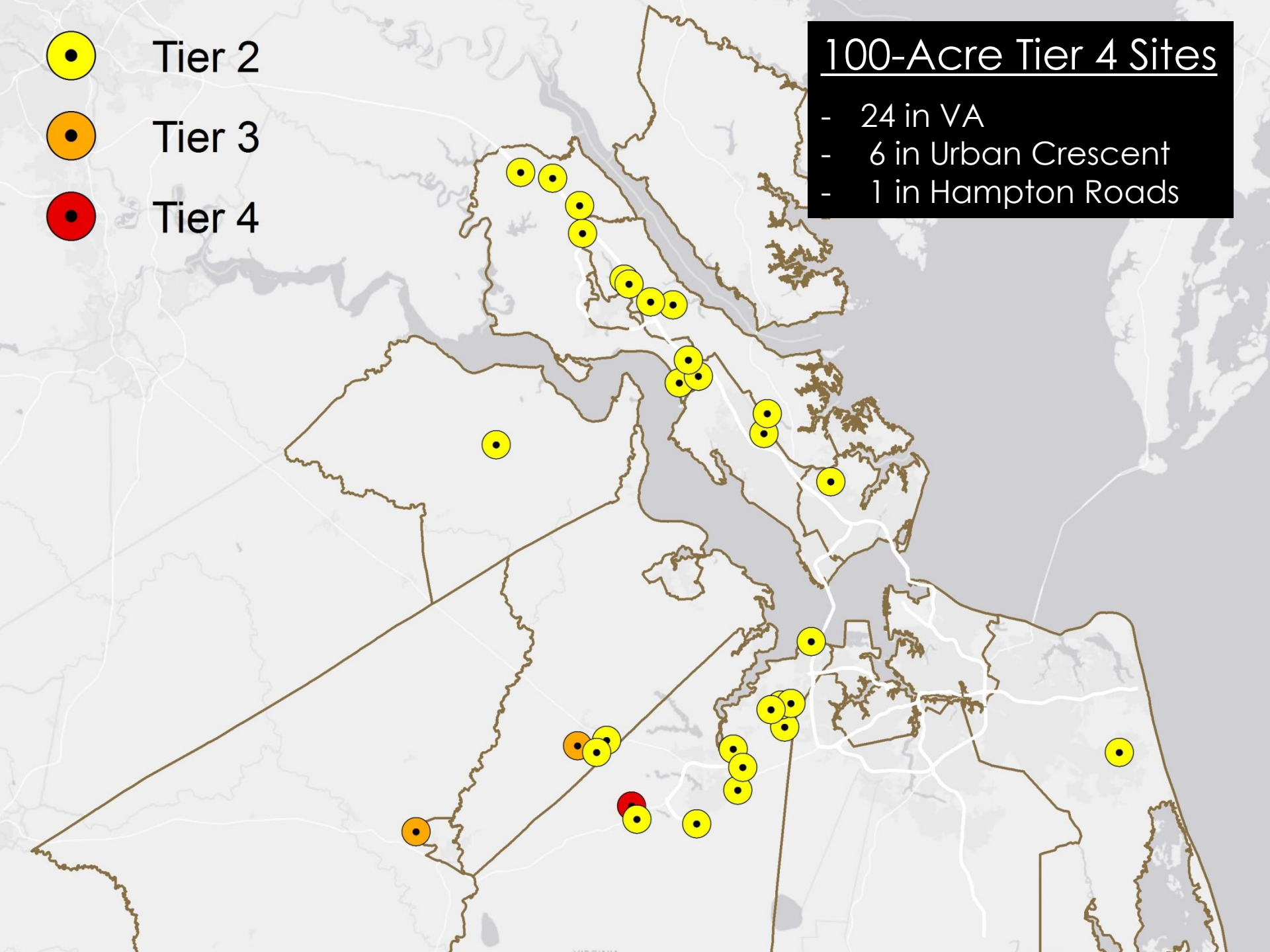
Broadband	
Provider	Cox
Type of Service	Fiber/Coax
Upload Speed (Gbps)	10+
Download Speed (Gbps)	10+
Timeframe to provide fiber service	Within 6 months

Transportation	
Interstate / Distance	I-64 / 2 miles
4-Lane Highway / Distance	Magruder Blvd. / adjacent
Commercial Airport / Distance	Newport News / Williamsburg / 10 miles
Rail	No
Port of Virginia (Portsmouth Marine Terminal)	25 miles
Port of Virginia (Virginia International Gateway)	22 miles
Port of Virginia (Newport News Marine Terminals)	10 miles
Port of Virginia (Norfolk International Terminals)	19 miles

Site Evaluation – Hampton Roads Site Assessment

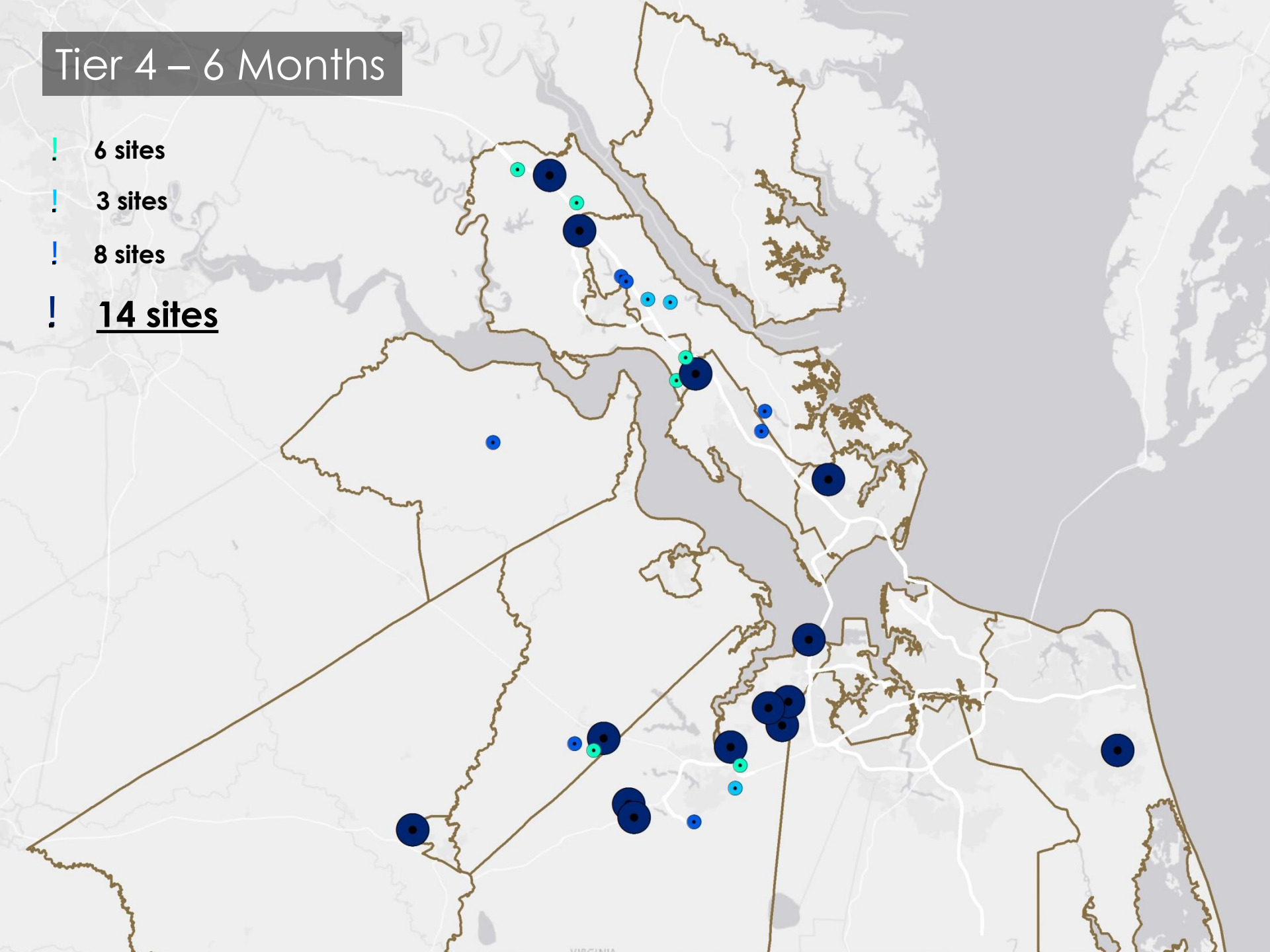
Site	Locality	Overall Rating	Tier	Tier 3 Estimate*	Tier 4 Estimate	Tier 4 Timeline
14. HRC North Campus	Hampton	A	2	$168,500	$2,500	4-6 mo
19. Holland Intermodal Ph II	Isle of Wight	A	2	$147,000	$3,500	4-6 mo
21. Westport	Suffolk	A	2	$41,500	$3,500	4-6 mo
23. BASF Site	Suffolk	A	2	$89,500	$2,500	4-6 mo
26. TCC Property	Suffolk	A	2	$88,250	$2,500	4-6 mo
27. Suffolk #1	Suffolk	A	2	$179,000	$2,500	4-6 mo
30. Northgate Commerce Park	Suffolk	A	2	$184,500	$2,500	4-6 mo
31. Corporate Landing Bus Park	Va Beach	A	2	$97,600	$2,500	4-6 mo
5. CW Foundation #1	York	A	2	$119,000	TBD w/ PER	12-18 mo
6. CW Foundation #2	York	A	2	$140,500	TBD w/ PER	12-18 mo
13. Air Commerce Park Ph II	Newport News	B	2	$105,000	TBD w/ PER	12-18 mo
22. Waverton Commerce Park	Suffolk	B	2	$180,000	TBD w/ PER	12-18 mo
28. Suffolk #2	Suffolk	B	2	$115,000	TBD w/ PER	12-18 mo
29. Suffolk #3	Suffolk	B	2	$199,400	$2,500	4-6 mo
7. Egger Property	York	B	2	$177,000	TBD w/ PER	12-24 mo
8. Kings Creek Com Center	York	B	2	$187,500	TBD w/ PER	12-24 mo
25. Ballard Farm	Suffolk	B / C	2	$234,100	TBD w/ PER	12-24 mo
9. Skiffes Creek Parcel	James City	No Add'l Work	2	$104,000	$2,000	4-6 mo

* Note: Tier 3 Estimates could change should additional Due Diligence Work be discovered (i.e. Boundary or Topo Survey, Ph 1 ESA, etc.)


Tier 2
Tier 3
Tier 4
100-Acre Tier 4 Sites
- 24 in VA
- 6 in Urban Crescent
- 1 in Hampton Roads

Tier 4 – 6 Months

- 6 sites
- 3 sites
- 8 sites
- **14 sites**



Other Regional Initiatives

- Regional Economic Development Sites Inventory
- HREDA Restructuring
- Eastern Virginia RIFA
- Revenue Sharing
- Jefferson Lab
- Regional Branding Initiative