

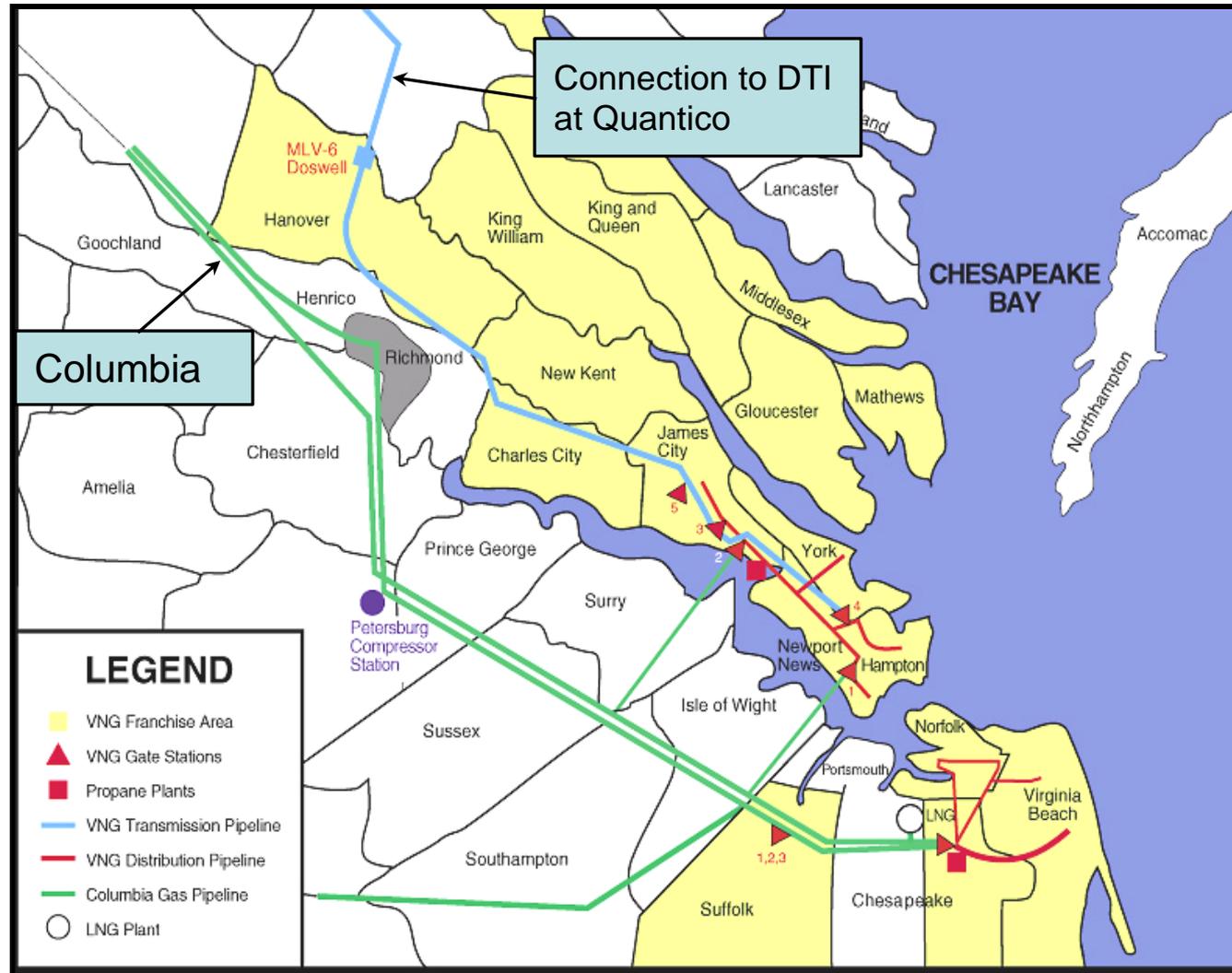
VNG's Hampton Roads Pipeline Crossing



Two supply sources to VNG

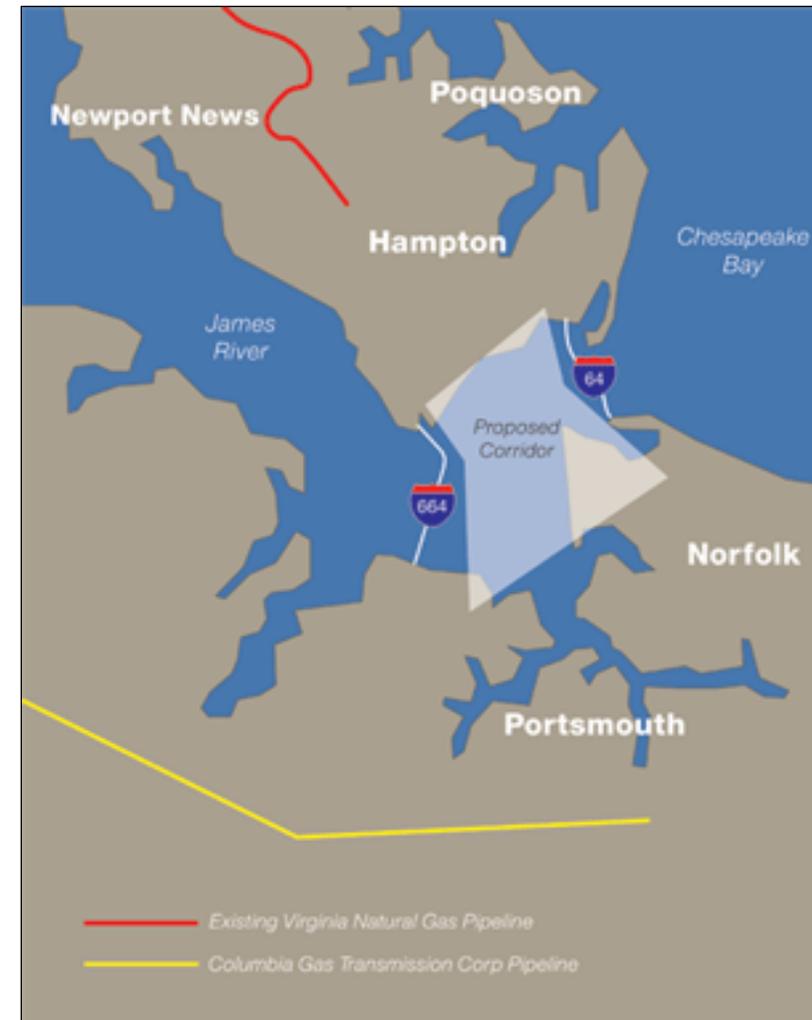
➤ Limitations

- South Hampton Roads served by a single pipeline
- Southside dependent on back up systems
 - LNG
 - Propane/air



What if we connected pipelines?

- **It would take**
 - ✓ **Two Water Crossings**
 - ✓ **Two Compressor Stations**
 - ✓ **Construction in densely populated cities**
- **It could**
 - ✓ **Deliver over 200,000 Dth of incremental supply**
 - ✓ **Serve VNG, Columbia and Dominion customers**



...we would get...

HAMPTON ROADS CROSSING

HRX

Energy For Our Future

A Virginia Natural Gas Project



Virginia Natural Gas

An AGL Resources Company

Hampton Roads Crossing - HRX

21 miles of 24" pipe

- **7 miles in Hampton/Newport News**
- **4 miles in Norfolk**
- **10 miles of water and island crossing**
 - **4 mile harbor crossing**
 - **4.5 miles on Craney Island**
 - **1.5 mile Elizabeth River crossing**



Benefits of HRX

Second supply

- Enhances the security of supply and delivery capacity for the southern region.

Easier sourcing for transportation customers

- Transportation customers will be able to physically deliver through either system

VNG can better manage its storage

- On DTI and Columbia.



Elizabeth River - World Record Drill

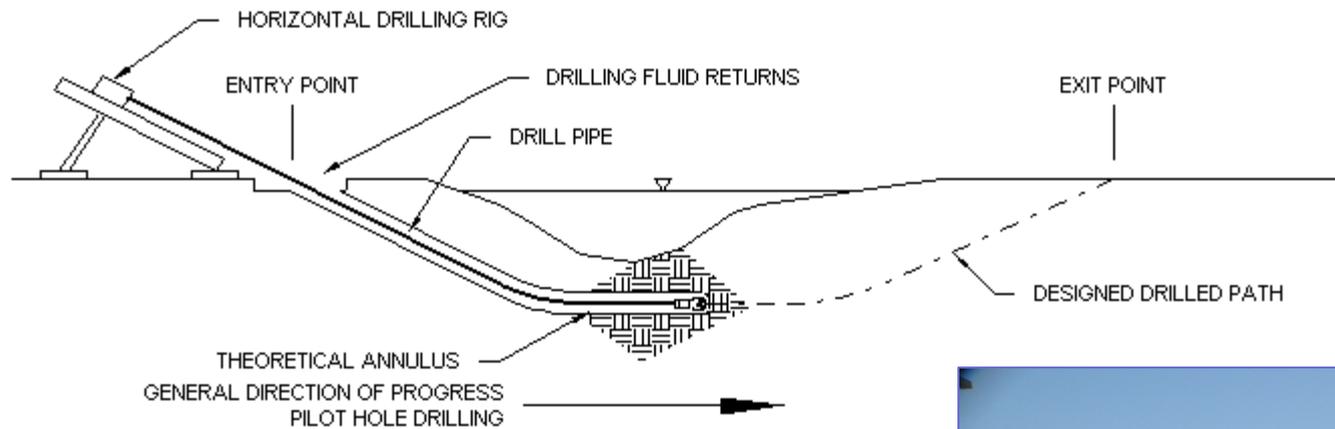
**Elizabeth R
Crossing**

**7,400' pipe
string**



Horizontal Directional Drill

STAGE 1, PILOT HOLE DIRECTIONAL DRILLING



Golf Course Crossing



HRX – Elizabeth River Pull Back



Harbor Crossing



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Craney Island – Pipe Launch



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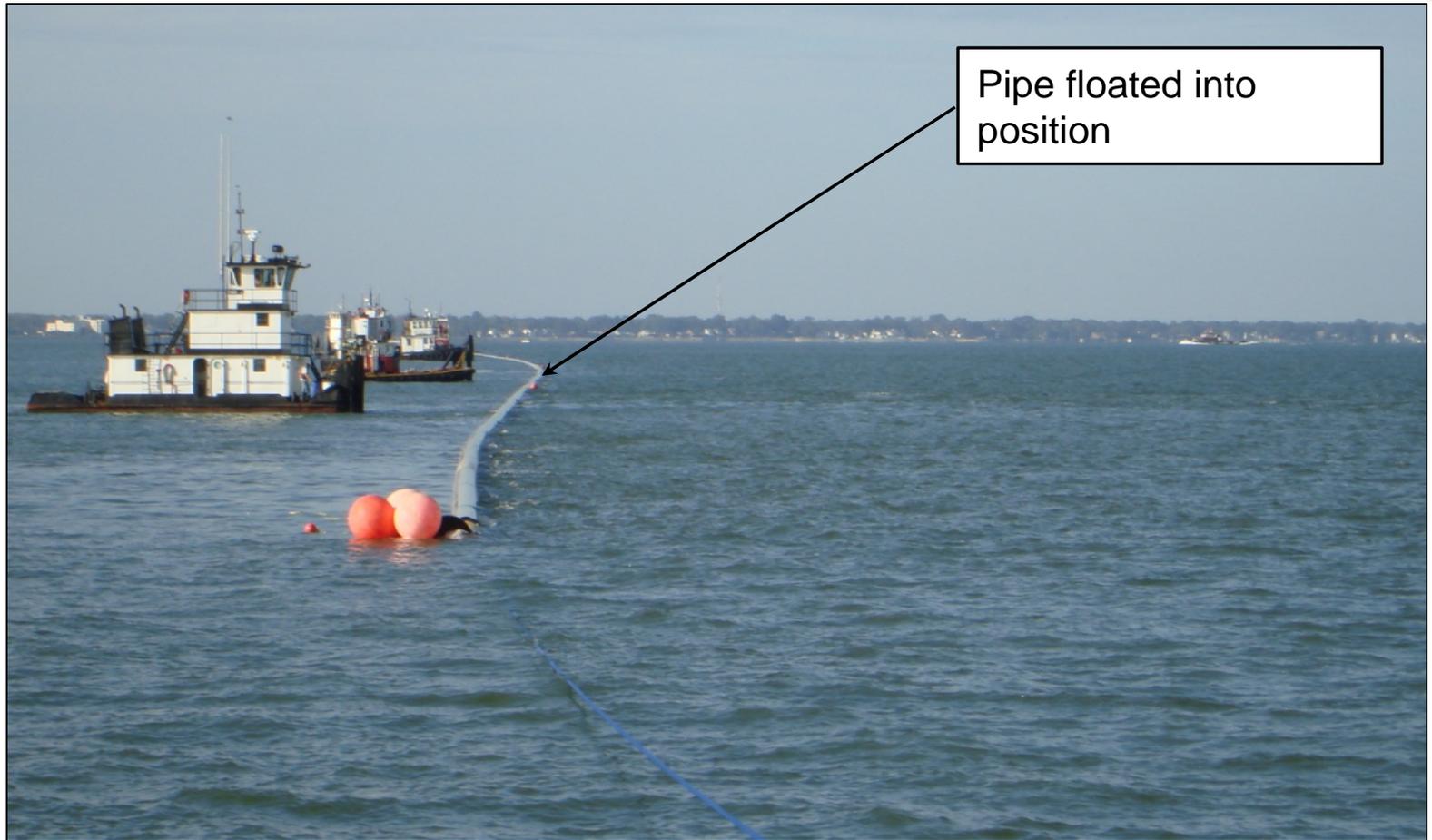
Craney Island – Pipe Launch



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Craney Island – Pipe Launch



Construction Today

- **Site preparation for compressor stations in progress**
- **Pipeline progressing across harbor**
- **Beginning uplands pipeline construction**



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Thank you

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