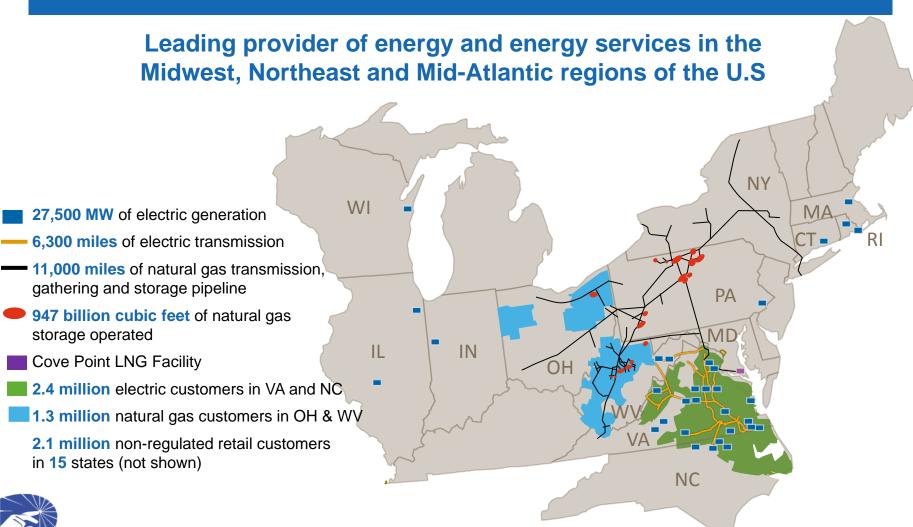
# 2014 West Virginia Energy Summit

October 23, 2014
Bruce McKay
Dominion



## **Dominion Profile**

### **Power and Natural Gas Infrastructure**



# **Cove Point Liquefaction Project**

- \$3.4-\$3.8 billion
- Tolling facility
  - Long term capacity contracts with:
    - Sumitomo Corp. (Japan)
    - ➤ GAIL (India)
- One liquefaction train
- Liquefaction capacity
  - 750 MMCFD inlet
  - ~ 5 mtpa LNG output





## **Cove Point Timeline**

- January, 2011 Announced the exploration of exporting from Cove Point
- September, 2011 --- Filed for DOE permit to export to Free Trade Agreement (FTA) countries
- October, 2011 Filed for DOE permit to export to non- FTA countries
- October, 2011 Approval granted to export to FTA countries
- June, 2012 -- FERC pre-filing initiated
- April, 2013 -- FERC formal application 12,000 pages
- April, 2013 -- Announced customer contracts signed
- September, 2013 -- DOE non-FTA approval
- May, 2014 -- FERC issues favorable Environmental Assessment
- September, 2014 -- FERC Order allowing construction
- October, 2014 --Begin construction
- ☐ Fall, 2017 Commence operations



# An Overwhelming Case

- Price advantage for U.S. consumers remains
- Tens of thousands of short-term & long-term jobs
- ☐ Billions of \$ for federal, state, and local coffers
- Advances U.S. geopolitical interests
- Helps avoid boom and bust cycle
- Reduces U.S. trade deficit
- Bolsters the manufacturing renaissance
- Assures the production of gas liquids for petrochemical industry



## What Does it Mean to U.S. Workers?





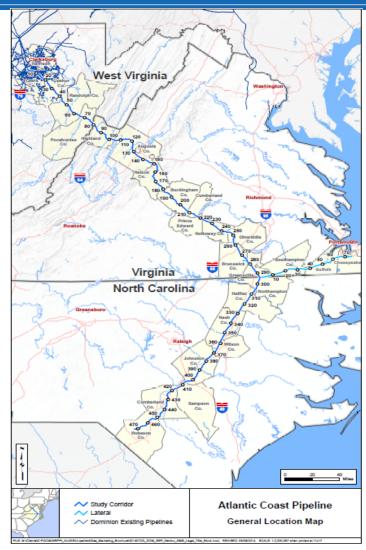
# **Atlantic Coast Pipeline**

### The Right Choice

#### Customer commitments

- 20-year binding transportation agreements reached with multiple end-use customers
- ~90% subscribed
- Open season for remaining capacity in next few weeks
- Capacity
  - 1.5 Bcf per day
  - 42-inch diameter pipe
  - Expandable to >2 Bcf per day
- Length
  - 550+ miles along an independent new route





# **Atlantic Coast Pipeline**

Ownership Structure and Timeline

**Ownership Structure** 

#### JOINT VENTURE AMONG THE FOLLOWING

PARTNERS:
Dominion Resources\*

45%

**Duke Energy** 

40%

**Piedmont Natural Gas** 

10%

**AGL Resources** 

5%

**Estimated Cost** 

\$4.5 - \$5.0 billion\*\*

**Projected Timeline** 

Submit FERC pre-filing

Fall 2014

File FERC application

Fall 2015

**Receive FERC Certificate** 

**Summer 2016** 

**In-Service** 

November 2018



<sup>\*</sup> Dominion will construct, operate and manage the pipeline

<sup>\*\*</sup> Excludes financing costs

## **Atlantic Coast Pipeline**

### **Project Benefits**

### Reliability

- New independent route ensures diversity of supply and deliverability
- Access to the most prolific and cost competitive natural gas supply in the U.S.
- Supports growing natural gas demand in Virginia and North Carolina for new power generation and local distribution customers

## Expandability

- 42" pipe design provides low-cost expandability
- Additional compression can be added quickly and economically

### Economic Benefits

- Creates jobs and increases property tax revenues
- Promotes economic development along pipeline route





## Regulatory process and expected timeline

The Federal Energy Regulatory Commission (FERC) is the lead agency. If Dominion decides to move forward with the proposed project:

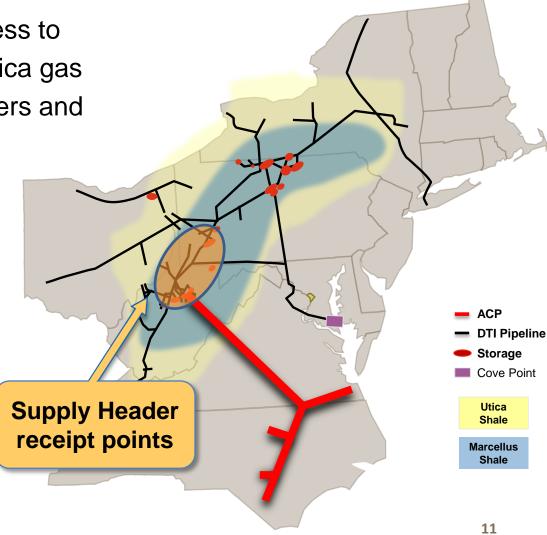
Activity	Timing
Survey/route planning	May-Dec. 2014
FERC Pre-Filing Request	Fall 2014
FERC Application	Summer 2015
FERC Certificate	Summer 2016
Construction	2017-2018
In-service	Late 2018

# **Additional DTI Opportunity**

Supply Header Project

Project will increase access to diverse Marcellus and Utica gas supplies for ACP customers and other producers

- Capacity
  - 1 1.5 Bcf per day
  - Open season to begin in next few weeks
- Expected to commence service November 2018





# **Supply Header**

## Pipelines

- Loop TL360 30 miles of 36 inch in WV
- Loop TL342 3 miles of 30 inch in PA
- Compressor Stations
  - Additional 48,000 HP at Mockingbird Hill Station in WV
  - Additional 26,000 HP at JB Tonkin Station in PA
- Other Facilities
  - TBD

