


REINHOLD ENVIRONMENTAL Ltd.



2015 NO_x-Combustion Round Table & Expo Presentations

February 23 & 24, 2015, in Richmond, VA / Hosted by Dominion

All presentations posted on this website are copyrighted by Reinhold Environmental, Ltd (RE). Any unauthorized downloading, attempts to modify or to incorporate into other presentations, link to other websites, or obtain copies for any other uses than the training of attendees to RE's Conferences is expressly prohibited, unless approved in writing by RE or the original presenter. RE does not assume any liability for the accuracy or contents of any materials contained in this library which were presented and/or created by persons who were not employees of RE.

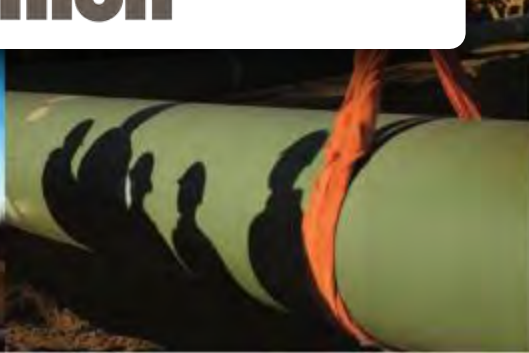


Dominion and the “New” Gas World

February 23, 2015



Dominion[®]



Natural Gas Trend

U.S. Total Energy

Data Source:

US Energy Information Administration (EIA) – Total Energy

www.eia.gov/totalenergy/data/annual/index.cfm

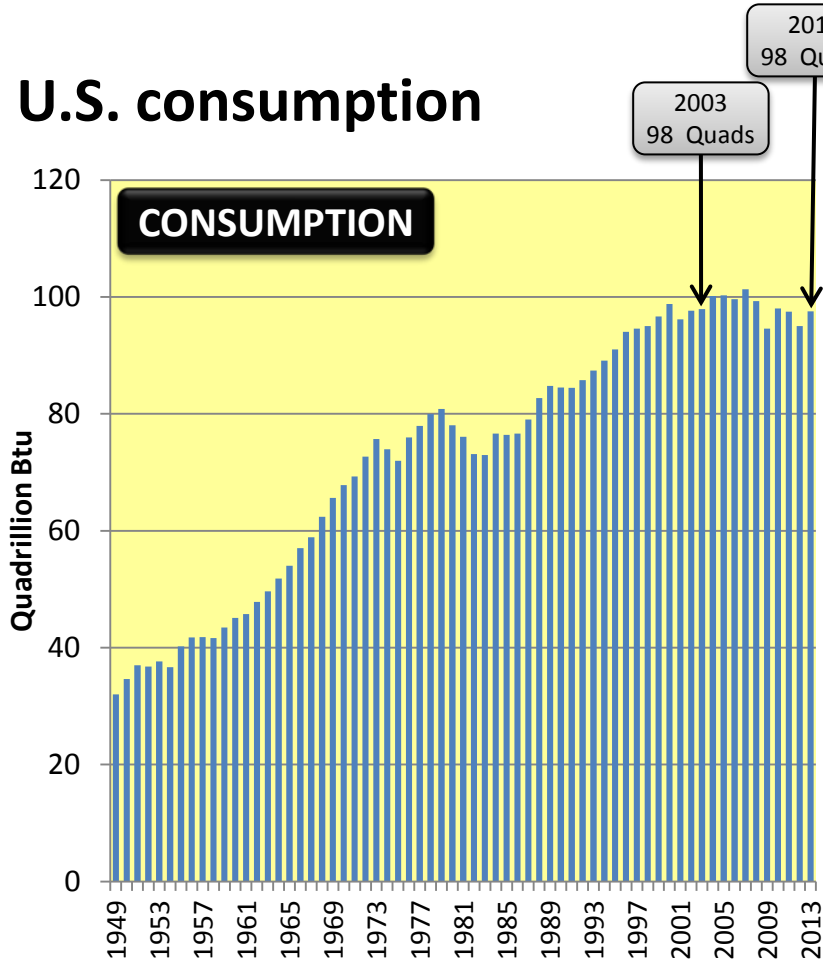
US Consumption: TABLE 2.1 Energy Consumption by Sector

US Production: TABLE 1.2 Primary Energy Production by Source

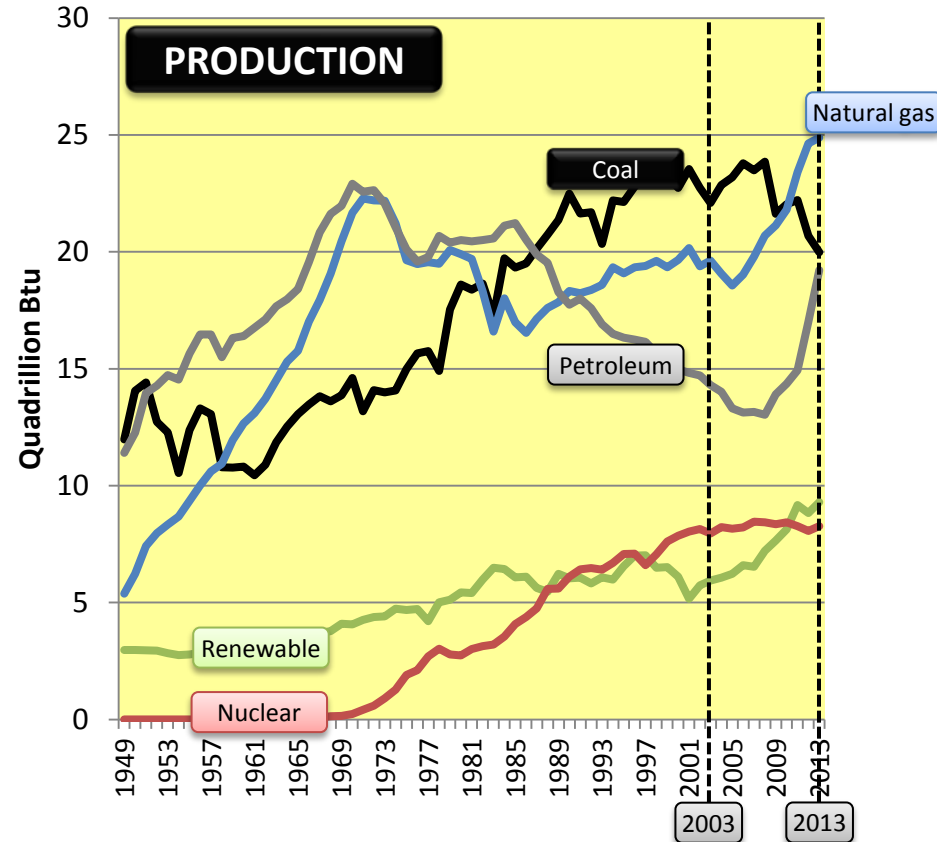
Release Date: Jan 28, 2015

Next Update: Feb 24, 2015

U.S. consumption



U.S. production



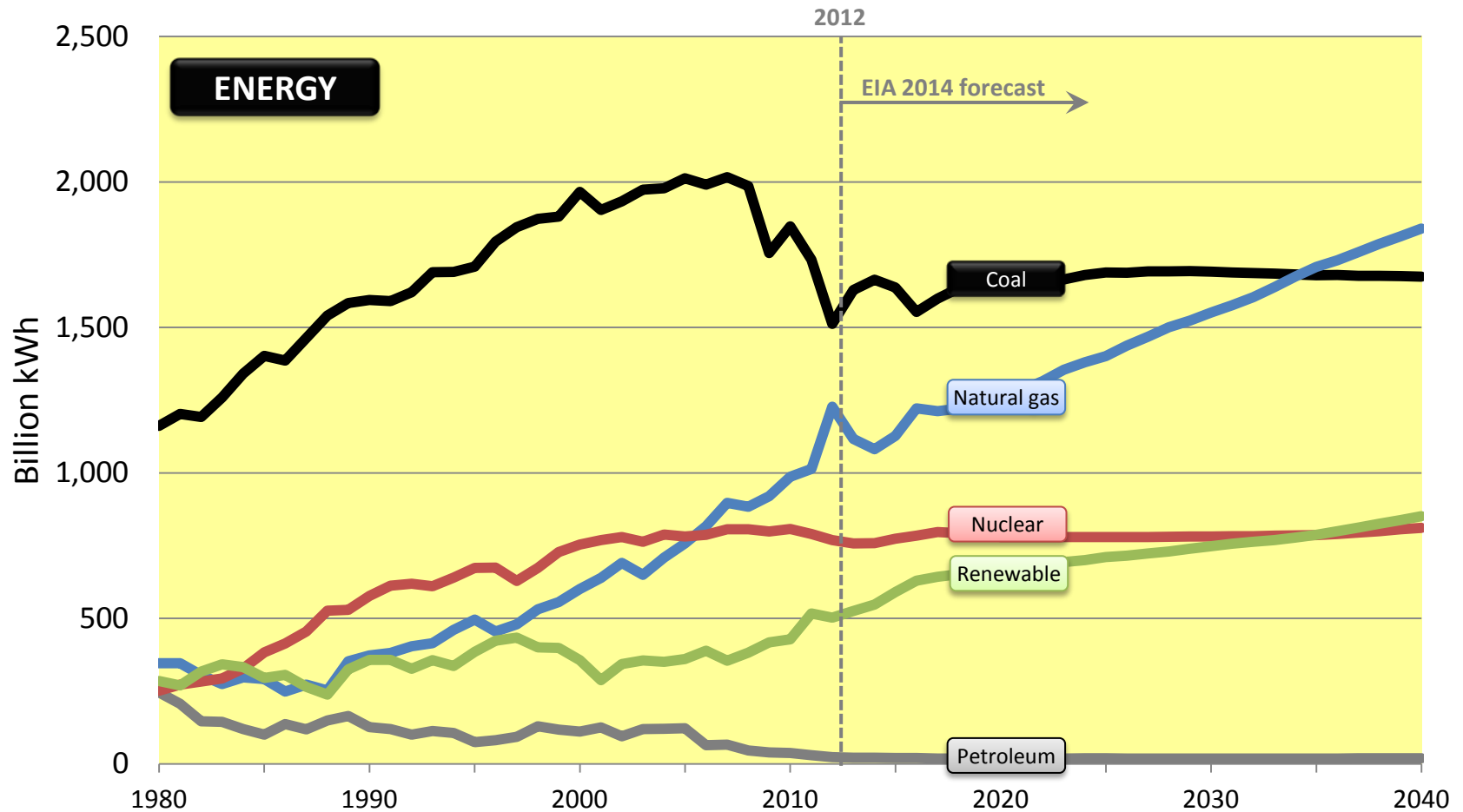
Energy demand has flattened

Generation mix evolving

Natural Gas Trend

Data Source:
US Energy Information Administration (EIA)
History: Annual Energy Review
Forecast: AEO2014 Early Release (Dec 2013)

U.S. Electric Power Generation by Fuel Type



Natural gas is forecasted to become the dominant fuel

Natural Gas Trend

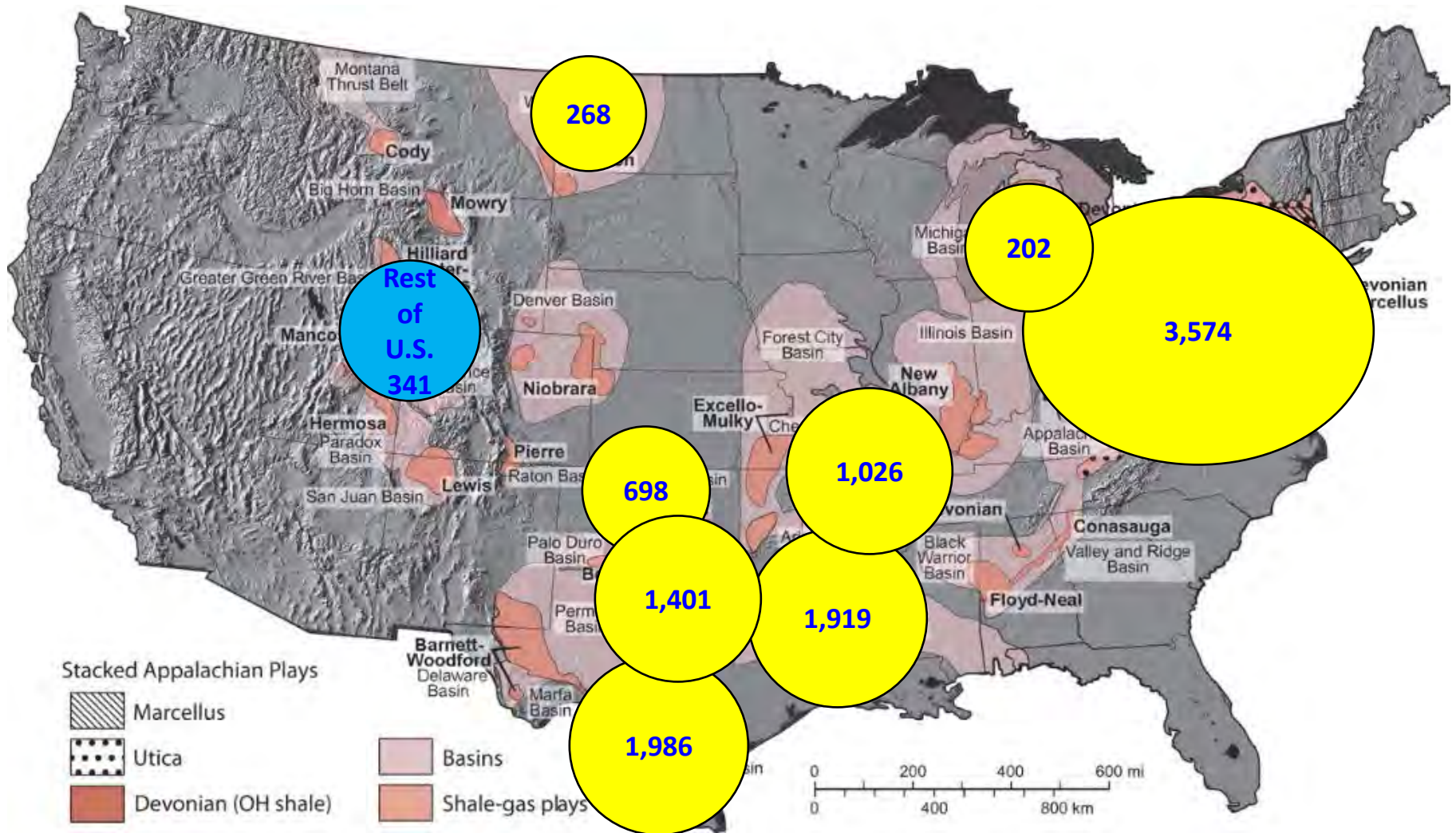
2013 Shale Gas Production (Bcf)

Data Source:

US Energy Information Administration (EIA) - Natural Gas
www.eia.gov/dnav/ng/ng_prod_shalegas_s1_a.htm

Assumptions:

- Haynesville = Texas District 6
- Eagle Ford = Texas Districts 1, 2, 3, 4, and (50%) 5
- Barnett = Texas District (50%) 5, 7B, and 9



Game changer

Natural Gas Trend

U.S. Electric Power Capacity Additions

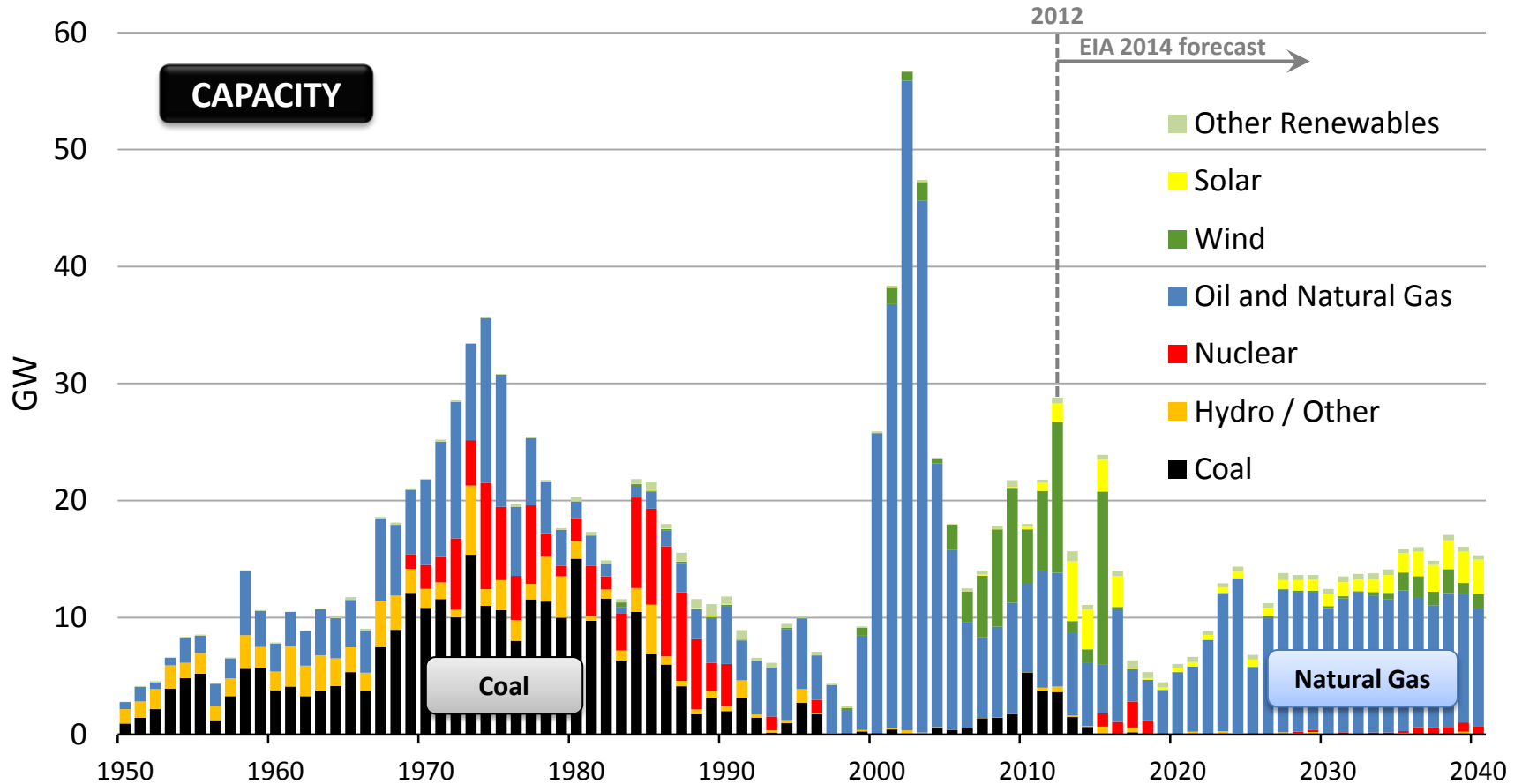
Data Source:

US Energy Information Administration (EIA)

History: Form EIA-860

Forecast: AEO2014 Early Release (Dec 2013)

AEO2014 Figure MT-32



Future resources are primarily gas-fired

Dominion Profile

Driven by Our Core Values (Safety, Ethics, Excellence, Teamwork)

Dominion Virginia Power



Electric Transmission

- ❖ 6,400 miles of transmission lines
- ❖ Favorable regulatory environment

Electric Distribution

- ❖ 57,000 miles of distribution lines
- ❖ 2.5 million franchise retail customer accounts in VA and NC

Dominion Energy



Gas Transmission

- ❖ Together with Gas Distribution, operates one of the largest natural gas storage systems in the U.S.
- ❖ 10,900 miles of pipeline in six states
- ❖ Well positioned in Marcellus and Utica Shale regions

Gas Distribution

- ❖ 21,900 miles of distribution pipeline and 1.3 million franchise retail natural gas customer accounts in OH & WV

Blue Racer Joint Venture

- ❖ Utica Shale midstream services

Dominion Generation



Utility Generation

- ❖ 19,600 MW of capacity
- ❖ Balanced, diverse fuel mix
- ❖ Favorable regulatory environment

Merchant Generation

- ❖ 4,000 MW of capacity, including nuclear, gas and renewable power
- ❖ Active hedging program for energy revenue/margins

Dominion Retail

- ❖ Retail Gas & Products/Services
- ❖ 1.5 million non-regulated customer accounts in 10 states*

*Excludes electric business being sold.

Dominion Opportunities

Blue Racer Midstream

- 750 miles of pipe
- Processing
 - Natrium, Berne, Lewis
 - 0.6 Bcf/d capacity
- Fractionation
 - Natrium
 - 47,000 Bbl/d capacity

Generation (3x1 CC)

- 1,342 MW plant in Warren County, VA
- 1,358 MW plant in Brunswick County, VA
- ~1,600 MW plant in Greensville County, VA

Utica Shale

Marcellus Shale

Cove Point

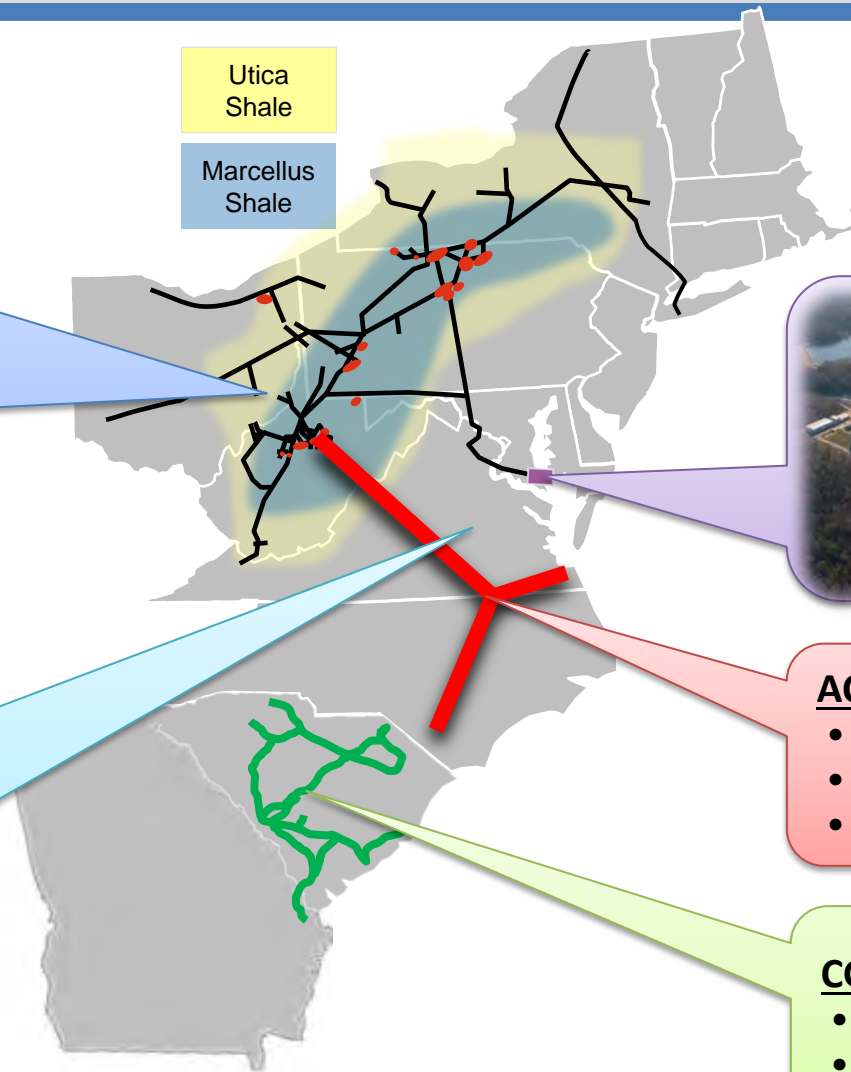


ACP pipeline

- 550 miles of 42" pipe
- 1.5 Bcf/d capacity
- Nov 2018 – COD

CGT pipeline

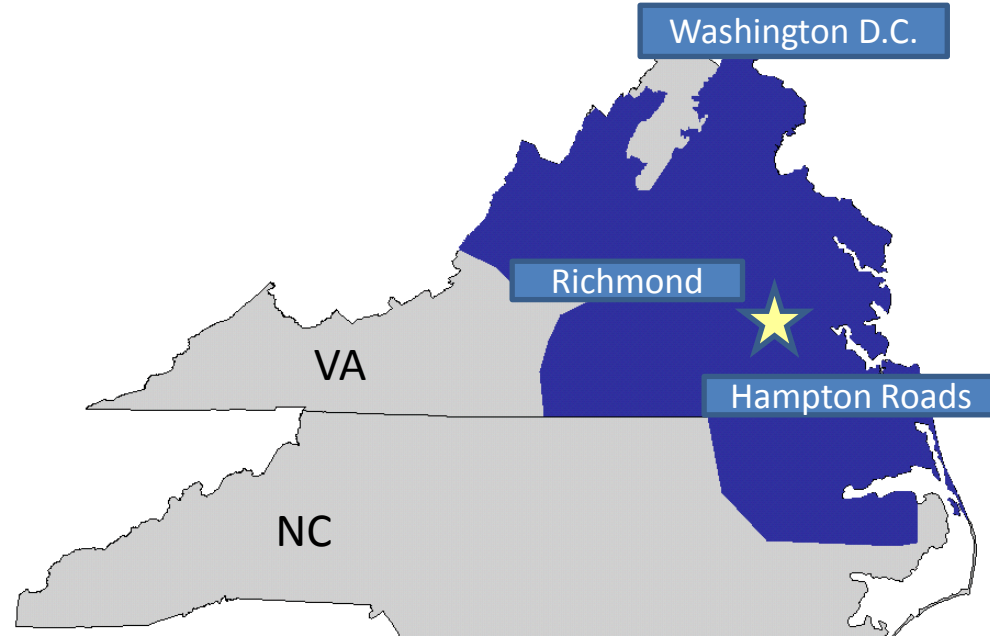
- 1,500 miles of pipe
- 0.7 Bcf/d capacity



Dominion

Dominion Virginia Power

- Virginia's 4.8% unemployment rate continues to be well below the national average of 5.6%*
- Virginia ranked among the "Best States for Business" by Forbes
- Strong residential and data center demand
 - Dominion zone = 1.7%**
 - PJM peer average = 0.8%
 - National average = 1.2%
- Significant governmental & military presence

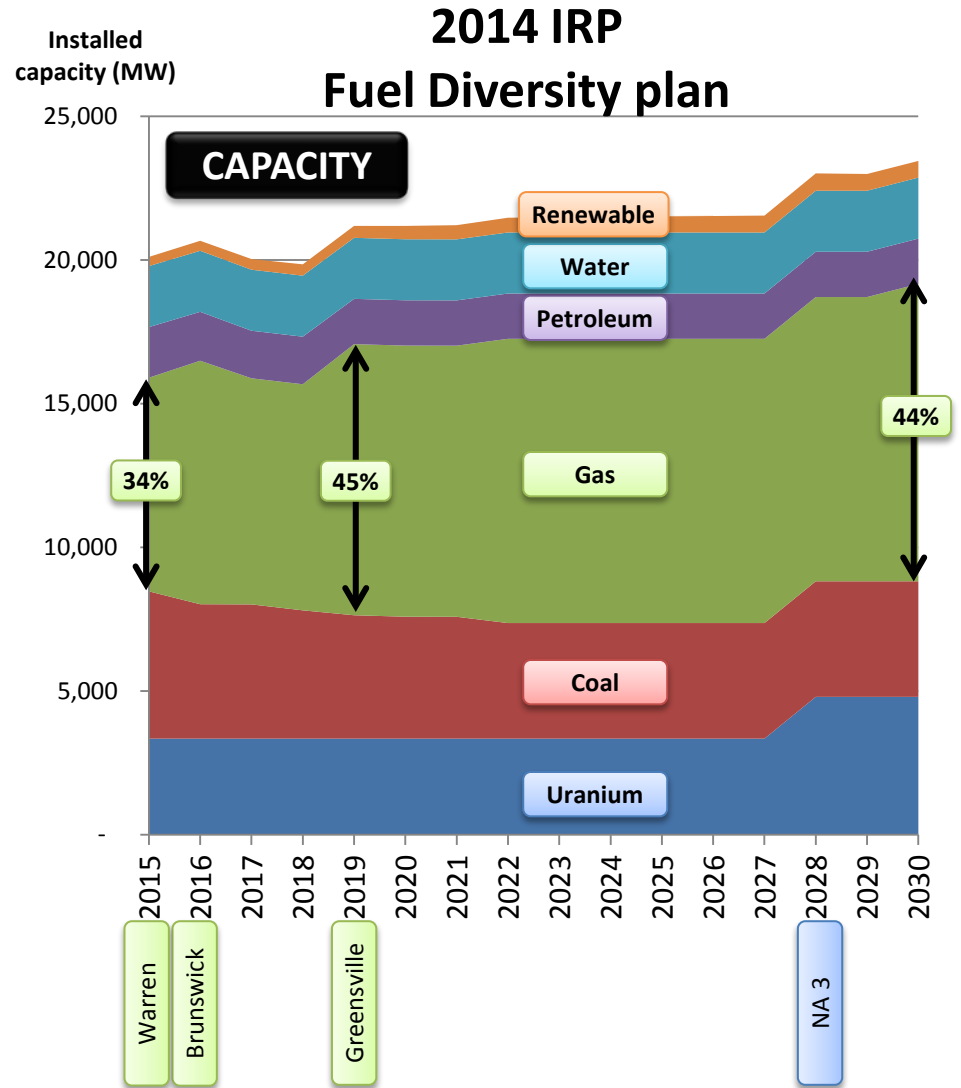
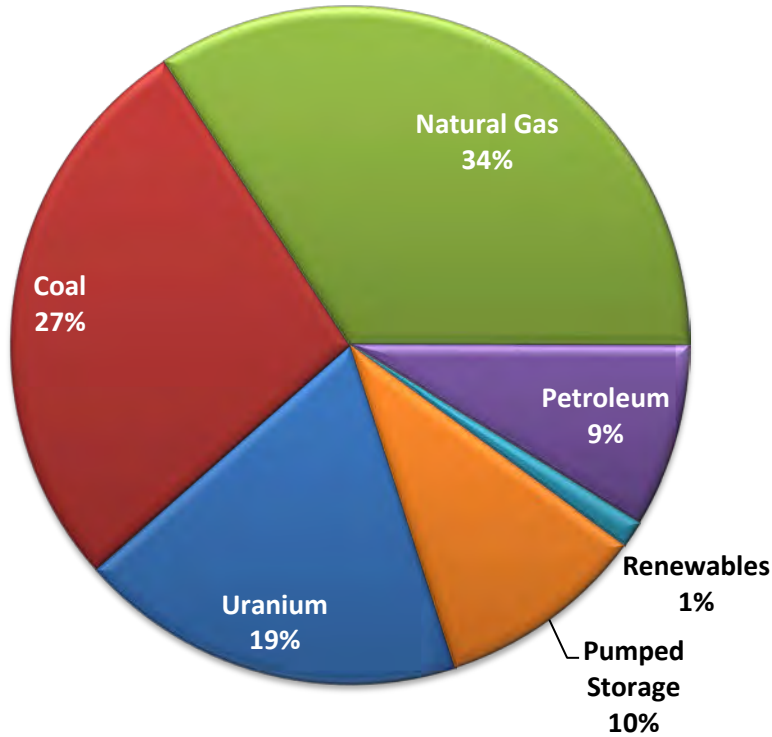


Virginia boasts an excellent business environment

Dominion

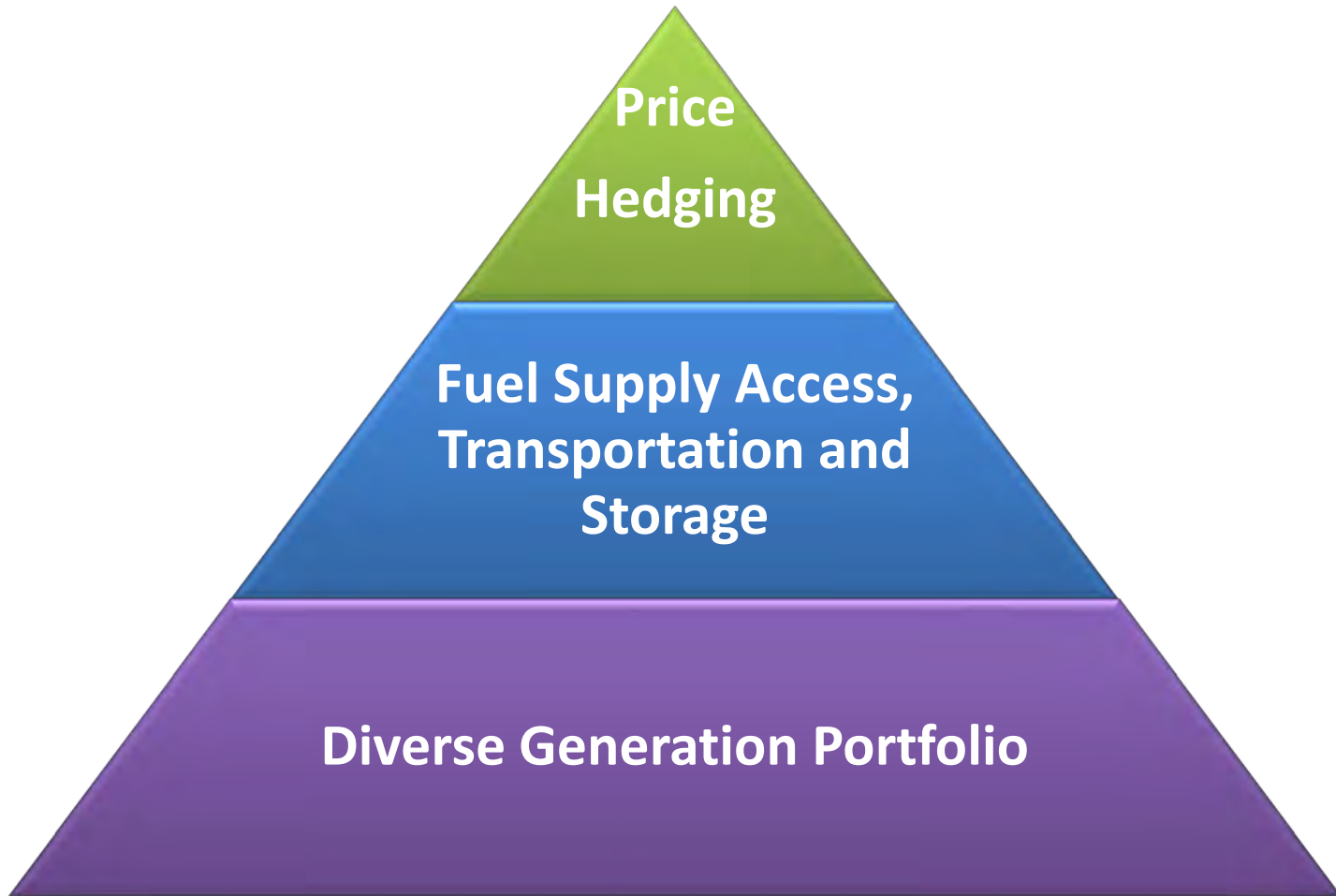
Generation Resources

CAPACITY (as of 1/1/2015)



Dominion

Tool Box



Ensuring fuel supply while mitigating price volatility

Dominion

Closing Statements

- Dash to gas is real
- Mutual success of Dominion and its stakeholders depends on safety, ethics, excellence and team work
- Fuel diversity is essential to ensure stability and reliability in electric supply, and strengthens national security



Ensure Virginians receive a reliable supply of electricity at just and reasonable rates

Questions

