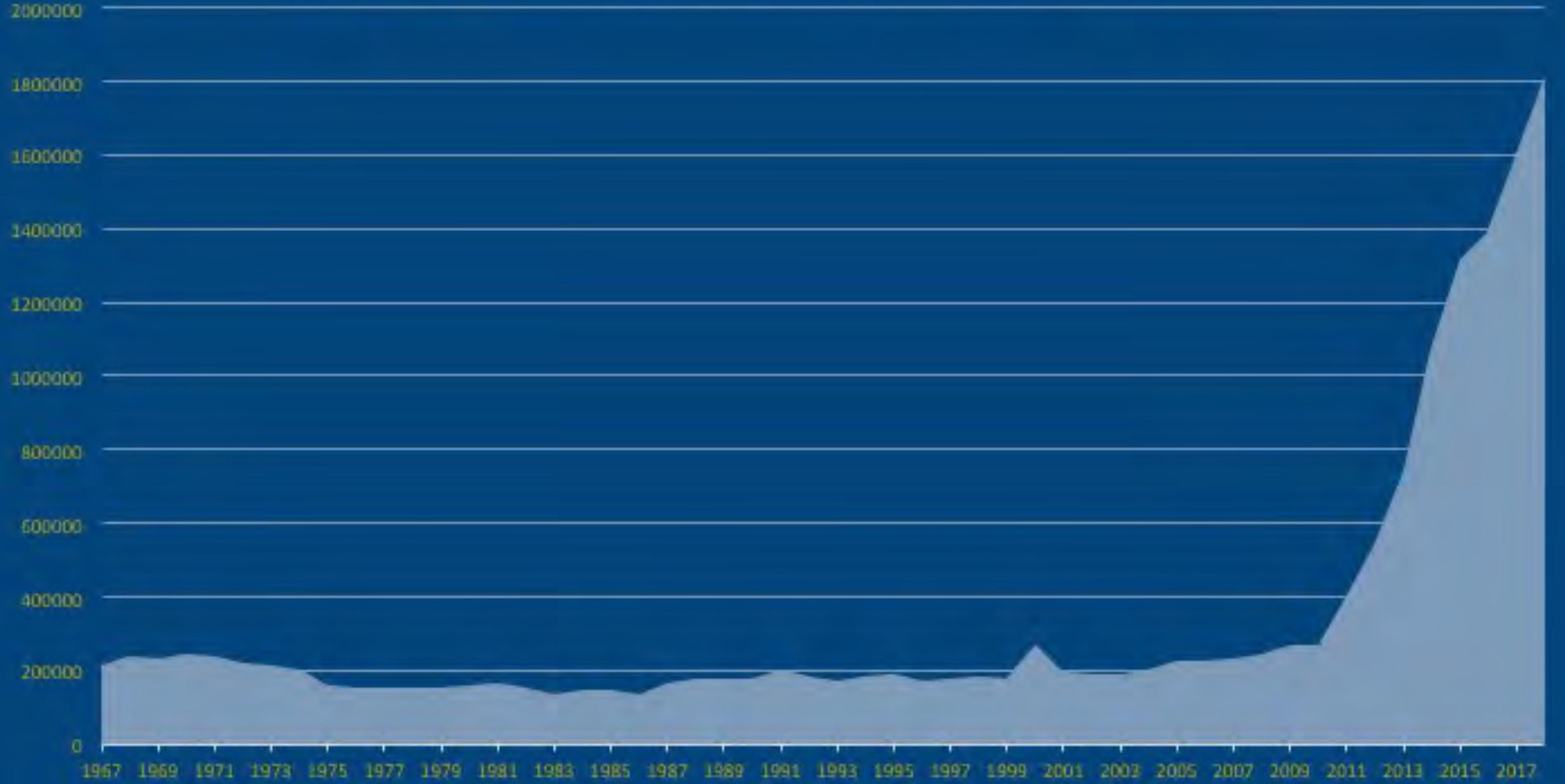




Appalachian Petrochemical Renaissance

# West Virginia Natural Gas Gross Withdrawals (MMcf) 1967 to 2018



What is the magnitude of our natural gas reserves?

4.9

trillion cubic feet

2007



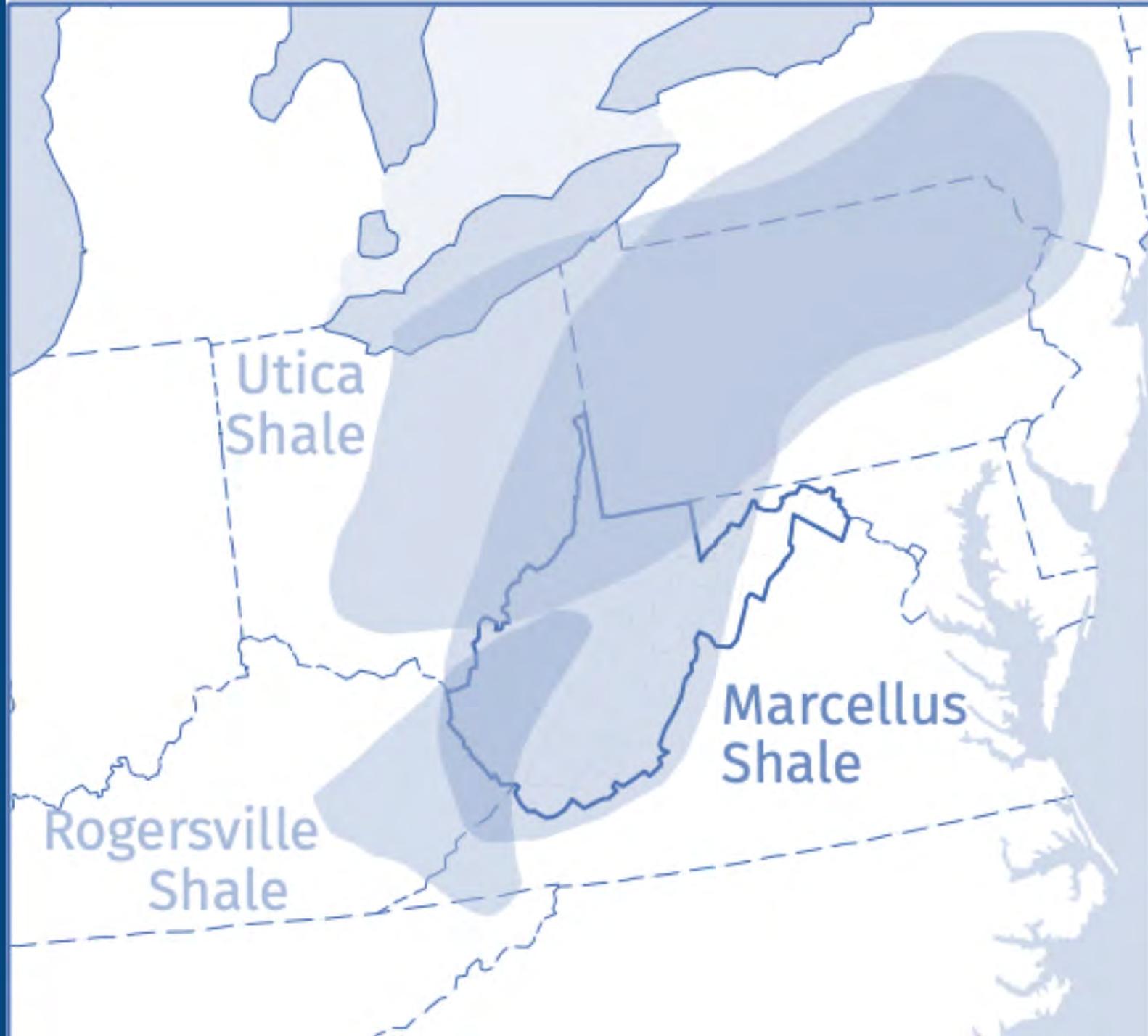
35.9

trillion cubic feet

2017

*“You’re sitting  
on gold.”*

*-President Donald Trump*





President Trump is committed to bringing downstream opportunities to Appalachia.

# Why are petrochemicals important?

American manufacturing relies on a steady source of petrochemicals to produce products such as plastics, paints, solvents, and automotive parts. The U.S. chemical industry is a \$528 billion enterprise (American Chemistry Council, 2019). It:



SUPPORTS  
**25%**  
of U.S. GDP



PROVIDES  
**12%**  
OF THE WORLD'S  
CHEMICALS



SUPPORTS  
**529**  
THOUSAND  
AMERICAN JOBS

What is the  
Appalachian  
Petrochemical  
Renaissance?

32%

OF U.S. NATURAL GAS

600,000

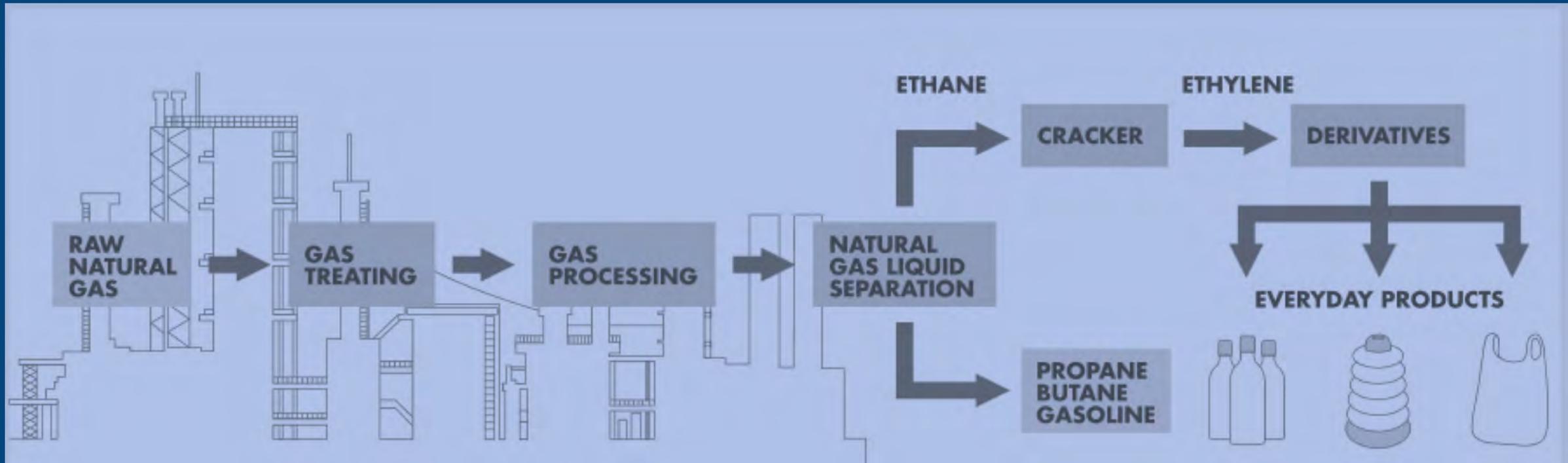
BBLS PER DAY OF NGLS

We've seen an incredible production boom  
right here in West Virginia.

How do we harness this resource?



# What's the process look like?



80% of all  
products  
manufactured  
today are made  
from  
petrochemicals.



# MHIENG wins contract to build polyethylene plant in Texas, US



WGN EDITORIAL TEAM

21 JUN 2019

NORTH AMERICA

ENERGY & UTILITIES



Mitsubishi Heavy Industries Engineering (MHIENG) and Mitsubishi Heavy Industries America, (MHIA), group companies of Mitsubishi Heavy Industries (MHI) have been awarded a construction contract for large-scale polyethylene plant in Texas, US.

The contract, which derives from a joint project with US construction firm Zachry Group, was awarded by Gulf Coast Growth Ventures (GCGV), a 50/50 joint venture of ExxonMobil and Saudi Basic Industries Corporation (SABIC).

Under the contract, the MHIENG will build the polyethylene plant with annual production capacity of 1.3 million

These projects have huge economic impacts.



Goal: Capture downstream manufacturing and jobs.  
We want to turn West Virginia gas into West Virginia products.

---

We are ideally positioned to capitalize on  
this opportunity.

# Location, Location, Location

Positioned right in the Marcellus, Utica and Rogersville Shales, West Virginia is an ideal location for downstream opportunities. Our river, rail and highway systems provide easy access to domestic markets.



# World-Class Workforce

West Virginia business leaders praise the incredible workforce they've found in West Virginia. Not only are labor rates below the national average, but West Virginia workers have the second lowest turnover rate in the Mid-Atlantic region and the lowest injury rate in the region.



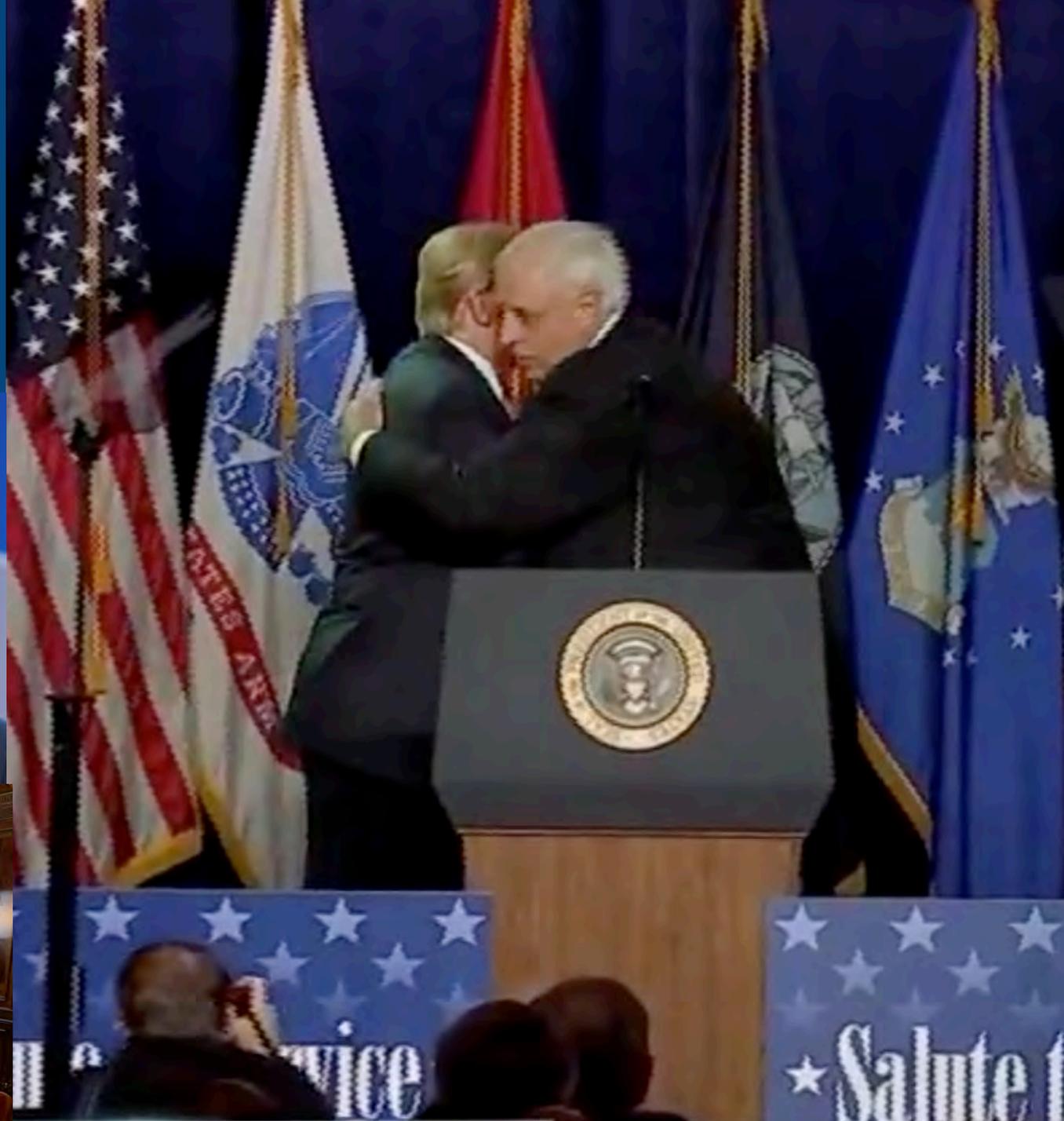
# Strong Business Climate

Global leaders like Procter & Gamble, Toyota and Hino Motors have found success in West Virginia. The Tax Foundation recently found that West Virginia is a regional leader and offers friendlier tax policies than any of its surrounding states.



# Federal Commitment

The Trump Administration recognizes downstream's transformative potential for Appalachia and is devoting significant resources to help West Virginia seize this opportunity.



# What are the benefits of an Appalachian Petrochemical Renaissance?

Rebuilding the petrochemical industry in the Appalachian area could lead to:

 **\$36 Billion**  
IN CAPITAL INVESTMENT

**101,000**   
NEW, STEADY JOBS

 **\$28 Billion**  
IN ECONOMIC EXPANSION

**\$2.9 Billion**   
IN TAX REVENUES ANNUALLY

*(American Chemistry Council)*

Petrochemical production in Appalachia would provide diversity and reliability to the U.S. petrochemical manufacturing base and add to U.S. energy security.



Let's make sure West Virginia resources create  
West Virginia jobs.

# Downstream Jobs Taskforce

How does *West Virginia* compete?



Appalachian Petrochemical Renaissance