

# POWERING THE FUTURE

Driving Change Through Clean Energy



**Atlantic  
Coast  
Pipeline**®

American energy needs are changing. New infrastructure is needed to safely transport natural gas to meet customer demand for a reliable, clean energy source.

# THE ATLANTIC COAST PIPELINE

Providing Access to Plentiful Natural Gas

The United States is home to abundant natural gas supplies, particularly in West Virginia, Ohio and Pennsylvania. The Atlantic Coast Pipeline proposes to tap into this abundant supply of clean-burning natural gas to help meet the urgent energy needs of our region.

Increasing access to natural gas is important to the environment and the economy in our region. With federal regulations calling for cleaner air, the Atlantic Coast Pipeline will provide a critically needed supply of clean-burning natural gas, which when combusted produces half the emissions of coal. It will also allow reliable generation of critical back-up sources of electricity when renewable sources cannot meet energy demand. The pipeline will fuel cost savings for energy consumers and economic development across the region. Additionally, pipeline construction will create thousands of jobs as well as significant new, long-term revenue for state and local governments throughout West Virginia, Virginia and North Carolina.

Natural gas carried by the pipeline will be used to generate electricity at plants similar to the one shown here.

## LOWER ENERGY COSTS

The Atlantic Coast Pipeline will save consumers an estimated \$377 million annually.

## ENERGY SECURITY

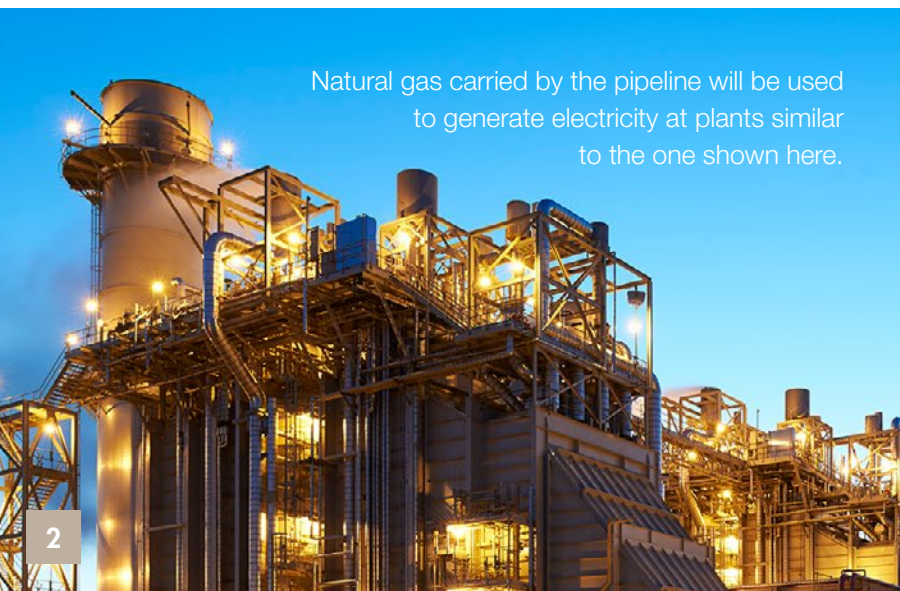
The Atlantic Coast Pipeline provides access to enough natural gas to reliably power and heat homes and businesses for generations to come.

## CLEANER AIR

The Atlantic Coast Pipeline will deliver clean-burning natural gas to homes, businesses and natural gas-fired generation plants built to replace older, higher-emission coal-fired generation plants.

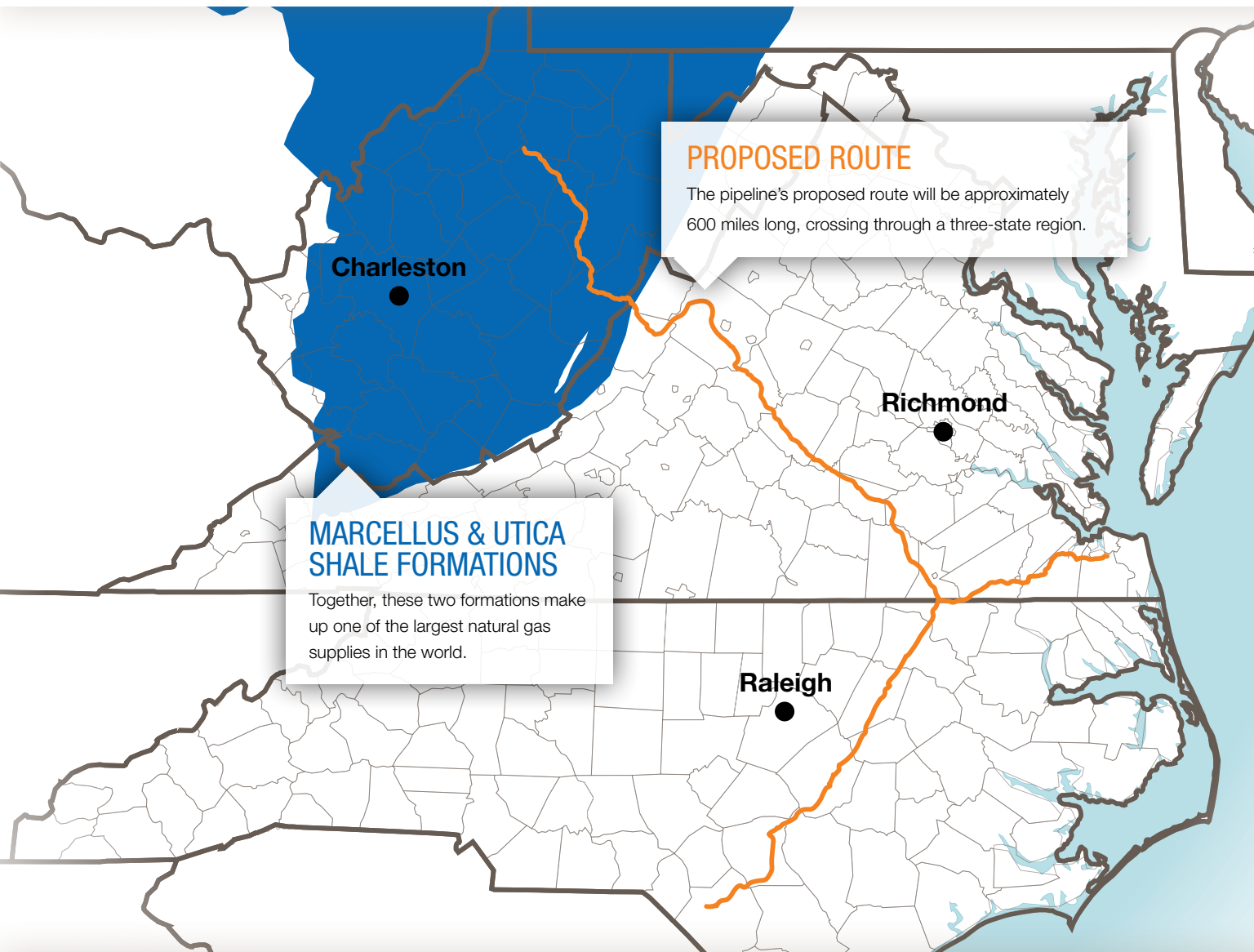
## NEW JOBS

The Atlantic Coast Pipeline will support 17,240 jobs during its construction and 2,200 jobs once in operation.



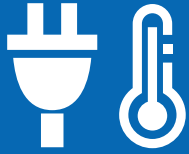
## BRIDGING SUPPLY & DEMAND

The Atlantic Coast Pipeline will draw from one of the largest natural gas supplies in the world. As proposed, the pipeline route will travel from Harrison County in West Virginia, southeast through Virginia with an extension to Chesapeake, VA, and then south through North Carolina to Robeson County. Surveys are conducted along the pipeline's proposed path to identify the best possible route with the greatest environmental, cultural and historic protections possible.



**Many alternatives, variations and adjustments are taken into account when determining the final path of the Atlantic Coast Pipeline. As such, the route alignment above is subject to change.**

# WHY BUILD THE ATLANTIC



## Our region has urgent energy needs.

Our region is part of a national trend of unprecedented increasing demand for energy resources driven in part by many more homes and businesses to heat and power. In fact, the U.S. Energy Information Administration estimates that energy demand will grow 29 percent by 2040. The Atlantic Coast Pipeline is an interstate natural gas pipeline that will help multiple public utilities in Virginia and North Carolina meet energy needs that exceed the current system's capacity.



## Natural gas is a clean-burning energy source.

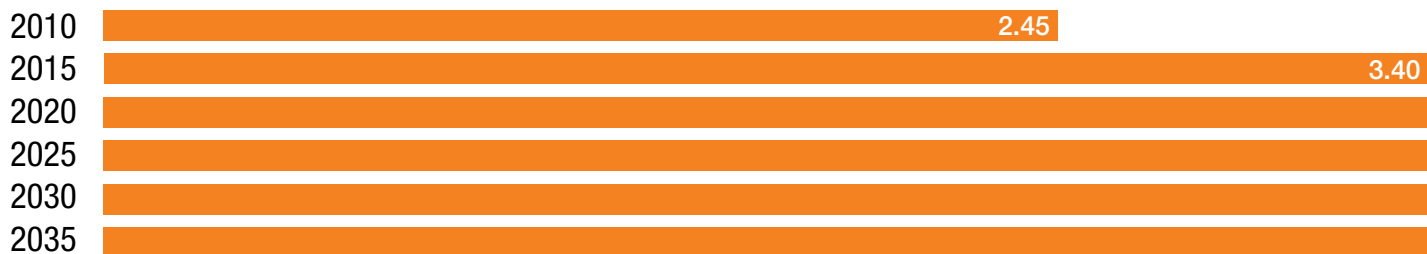
For years, the leading source of electricity to power homes and workplaces has been coal. With federal regulations calling for cleaner air, energy providers are turning to natural gas, which produces half the emissions of coal. In the near future, natural gas is projected to surpass coal as the number one fuel source for electricity generation nationwide.



## Pipelines safely transport natural gas.

In Virginia, there are already 2.5 times as many miles of natural gas pipeline as there are miles of interstate highways, yet few people ever notice. According to the U.S. Department of Transportation, underground pipelines are the safest mode to transport natural gas — safer than highway, rail and water.

## Average Natural Gas Demand in Virginia and North Carolina (in billion ft<sup>3</sup>/day)



# COAST PIPELINE?



## Renewables require reliable back up power.

Whether or not the sun is shining or the wind is blowing, we can always count on natural gas. Providers can struggle to keep up with demand and there's no easy way of storing massive amounts of electricity for peak times. Meeting this demand with reliable, abundant, domestic and clean-burning natural gas allows us the flexibility to continue working to incorporate renewable energy sources into a balanced energy portfolio.



## Abundant natural gas supplies lead to savings.

Broad scientific consensus indicates that we have enough natural gas to power America for generations to come. The Marcellus and Utica shale formations make up one of the world's largest natural gas supplies. Abundant natural gas supplies lower costs to power our region. The Atlantic Coast Pipeline will stabilize electricity prices and increase consumer savings.



## Natural gas can secure our energy future.

Diversifying domestic energy sources is an important strategy in protecting our energy future and maintaining energy independence. The Atlantic Coast Pipeline will add low-cost natural gas to our diverse energy portfolio and decrease our nation's dependence on imported fuel.

Total natural gas demand in our region is estimated to rise at **3.5 percent** annually, **increasing nearly 165 percent** from 2010 to 2035.

3.72

4.64

5.32

6.49

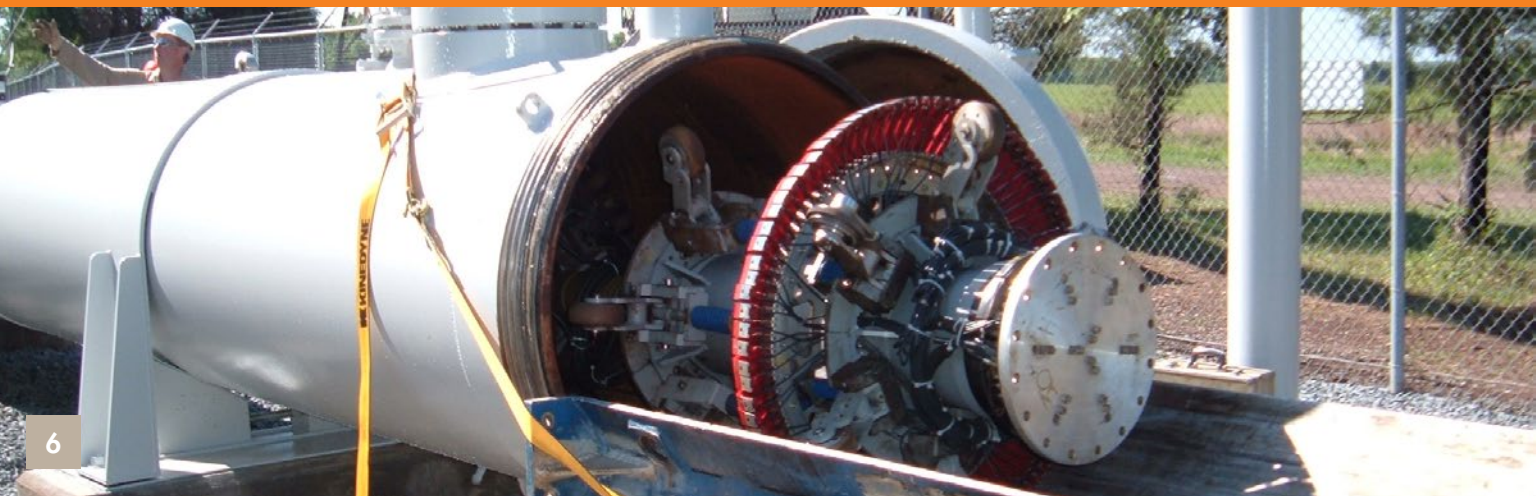
SOURCE: THE ECONOMIC IMPACTS OF THE ATLANTIC COAST PIPELINE, ICF INTERNATIONAL, FEBRUARY 2015

# SAFETY & THE ENVIRONMENT:



## A Commitment to Pipeline Safety

Nothing is more important than safety. Today's natural gas pipelines must meet strict standards and are subject to rigorous federal and state safety testing. As individual sections of pipe are welded, each weld is X-rayed to make sure it is sound. Before the pipe is put into operation, it is thoroughly inspected and pressure tested. Additionally, government-mandated operator qualification standards ensure proper training for employees with critical safety functions. Dominion Energy, the pipeline's operator, will conduct community awareness programs and coordinate with local emergency response agencies. The facilities will be regularly monitored by air and foot patrol (pictured above) as well as inspected from the inside by a tool (pictured below) that gathers data to assure the integrity of the structure by locating any deficiencies such as dents, gouges and variations in thickness while traveling through the pipeline. The pipeline will also be monitored 24/7 from Dominion Energy's gas control center.



# OUR TOP PRIORITIES

Protecting the environment is critical when planning the Atlantic Coast Pipeline. The project team is committed to working with all landowners and community stakeholders to address concerns and develop appropriate environmental solutions.

## Preserving Our Natural, Cultural and Historical Resources

Along the route, best-in-class restoration and mitigation techniques will be used to protect native species, preserve wetland and water resources, control erosion and minimize emissions. The design, construction and operation of the pipeline will strive to exceed compliance with all federal procedures and regulations to minimize and mitigate the impact that the pipeline route has on natural resources, areas of historical and cultural significance and wildlife.

## Minimizing Impacts To The Community

The project team continues work to minimize the impact of the pipeline through surveys of route alternatives, community meetings and important feedback from landowners. Construction of best-in-class facilities and state-of-the-art emission control technology will minimize noise and air quality impact. Landowners will be compensated for impacts resulting from the construction and operation of the pipeline. The team will consult with land managing agencies, counties and municipalities to consider and accommodate landowner and residential access during construction.



## A Typical Right-Of-Way Following Restoration

The Atlantic Coast Pipeline will run underground and have a minimal environmental impact as shown here.

# A PATHWAY TO PROSPERITY

## PIPELINE CONSTRUCTION

The economic impact from construction of the pipeline is estimated at \$2.7 billion and will support 17,240 direct, indirect and induced jobs across the three-state region. Additionally, the capital expenditure during this phase is expected to generate \$4.2 million annually in total tax revenue paid to local governments by Atlantic Coast Pipeline, LLC.

Construction of the Atlantic Coast Pipeline is estimated to generate:

**17,240**

Jobs supported

**\$2.7 billion**

Total economic activity

**\$4.2 million**

Average annual local tax revenue

## PIPELINE OPERATION

The Atlantic Coast Pipeline will pay annual property taxes to every locality through which the pipeline is located. Estimates show that these areas could cumulatively receive an additional \$28 million annually in tax revenue by 2022.

Virginia and North Carolina electricity consumers benefit from the pipeline because of the lower cost of natural gas to fuel power generation, which lowers energy bills. These individuals, families and businesses stand to save an estimated \$377 million annually, which could generate job creation that stimulates local economies.

Ongoing operation of the Atlantic Coast Pipeline is estimated to generate:

**2,200**

Jobs supported

**\$377 million**

Average annual energy cost savings


**\$28 million**

Average annual local tax revenue

SOURCES: *THE ECONOMIC IMPACTS OF THE ATLANTIC COAST PIPELINE*, ICF INTERNATIONAL, FEBRUARY 2015  
*THE ECONOMIC IMPACT OF THE ATLANTIC COAST PIPELINE IN WEST VIRGINIA, VIRGINIA, AND NORTH CAROLINA*, CHIMURA ECONOMICS & ANALYTICS, SEPTEMBER 2014  
*ACP PIPELINE PROPERTY TAX ESTIMATES - SUMMARY*, DOMINION ENERGY, MARCH 2016

ALL SOURCES AVAILABLE AT [WWW.ATLANTICCOASTPIPELINE.COM](http://WWW.ATLANTICCOASTPIPELINE.COM)





The Atlantic Coast Pipeline project involves construction and operation of approximately 600 miles of pipeline, as well as associated facilities, that will yield thousands of jobs and billions in economic impact and tax revenue across West Virginia, Virginia and North Carolina.

# A FOCUS ON WEST VIRGINIA

The Atlantic Coast Pipeline will have an enormous economic impact on the state, both during construction and operation.

The Atlantic Coast Pipeline route through West Virginia will begin in Harrison County and travel southeast about 100 miles through five counties in the state before crossing into Virginia.

## Pipeline Construction

Impacts in West Virginia from this phase of the project are estimated to generate:

**\$478.7 million**

Total economic activity

**3,093**

Jobs supported

**\$661,000**

Average annual tax revenue

## Pipeline Operation

Impacts in West Virginia from this phase of the project are estimated to generate:

**\$15.6 million**

Total annual economic activity

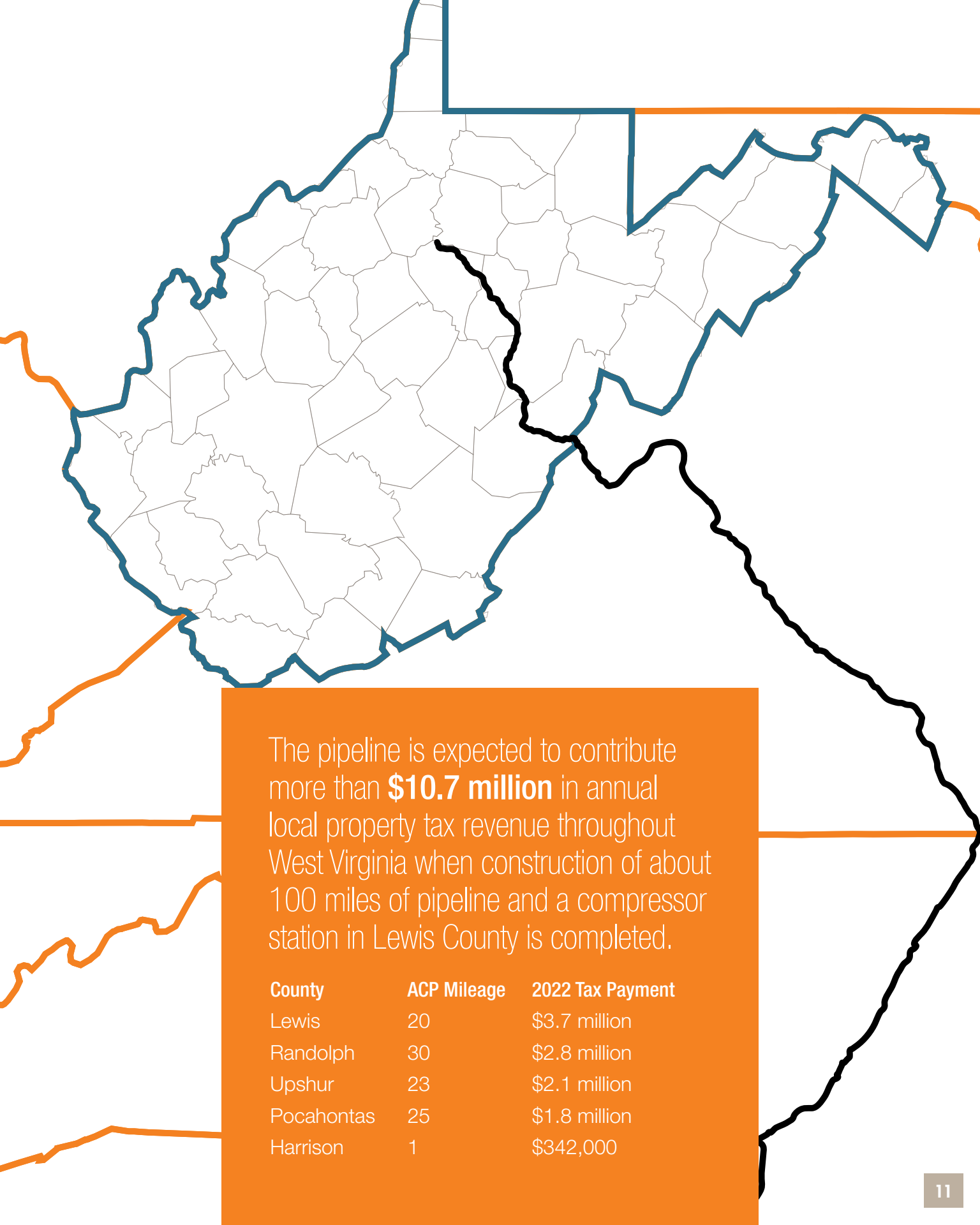


**\$882.6 million in capital expenditures** will be spent in West Virginia.

The presence of the pipeline creates additional opportunities to generate manufacturing jobs and other economic development due to greater availability of natural gas infrastructure.

SOURCE: *THE ECONOMIC IMPACT OF THE ATLANTIC COAST PIPELINE IN WEST VIRGINIA, VIRGINIA, AND NORTH CAROLINA*; CHIMURA ECONOMICS & ANALYTICS, SEPTEMBER 2014  
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The pipeline is expected to contribute more than **\$10.7 million** in annual local property tax revenue throughout West Virginia when construction of about 100 miles of pipeline and a compressor station in Lewis County is completed.

County	ACP Mileage	2022 Tax Payment
Lewis	20	\$3.7 million
Randolph	30	\$2.8 million
Upshur	23	\$2.1 million
Pocahontas	25	\$1.8 million
Harrison	1	\$342,000

# A FOCUS ON VIRGINIA

The Atlantic Coast Pipeline, with roughly half of its infrastructure in the Commonwealth, will yield significant economic activity and consumer savings.

The Atlantic Coast Pipeline route through Virginia will begin in Highland County and move southeast, including lateral lines to Brunswick County, Greensville County and Hampton Roads. The pipeline will travel about 300 miles through 14 counties in the state and cross into North Carolina.

## Pipeline Construction

Impacts in Virginia from this phase of the project are estimated to generate:

**\$1.4 billion**

Total economic activity

**8,800**

Jobs supported

**\$2.4 million**

Average annual tax revenue

**\$2.5 billion in capital expenditures** will be spent in Virginia. Annually from 2019-2038, the state will benefit from \$83 million in labor income and \$136 million in gross state product from the pipeline. Consumers could also realize **\$243 million in annual average energy cost savings** during this period.

SOURCES: THE ECONOMIC IMPACTS OF THE ATLANTIC COAST PIPELINE, ICF INTERNATIONAL, FEBRUARY 2015  
THE ECONOMIC IMPACT OF THE ATLANTIC COAST PIPELINE IN WEST VIRGINIA, VIRGINIA, AND NORTH CAROLINA, CHMURA ECONOMICS & ANALYTICS, SEPTEMBER 2014  
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## Pipeline Operation

Impacts in Virginia from this phase of the project are estimated to generate:

**\$37.8 million**

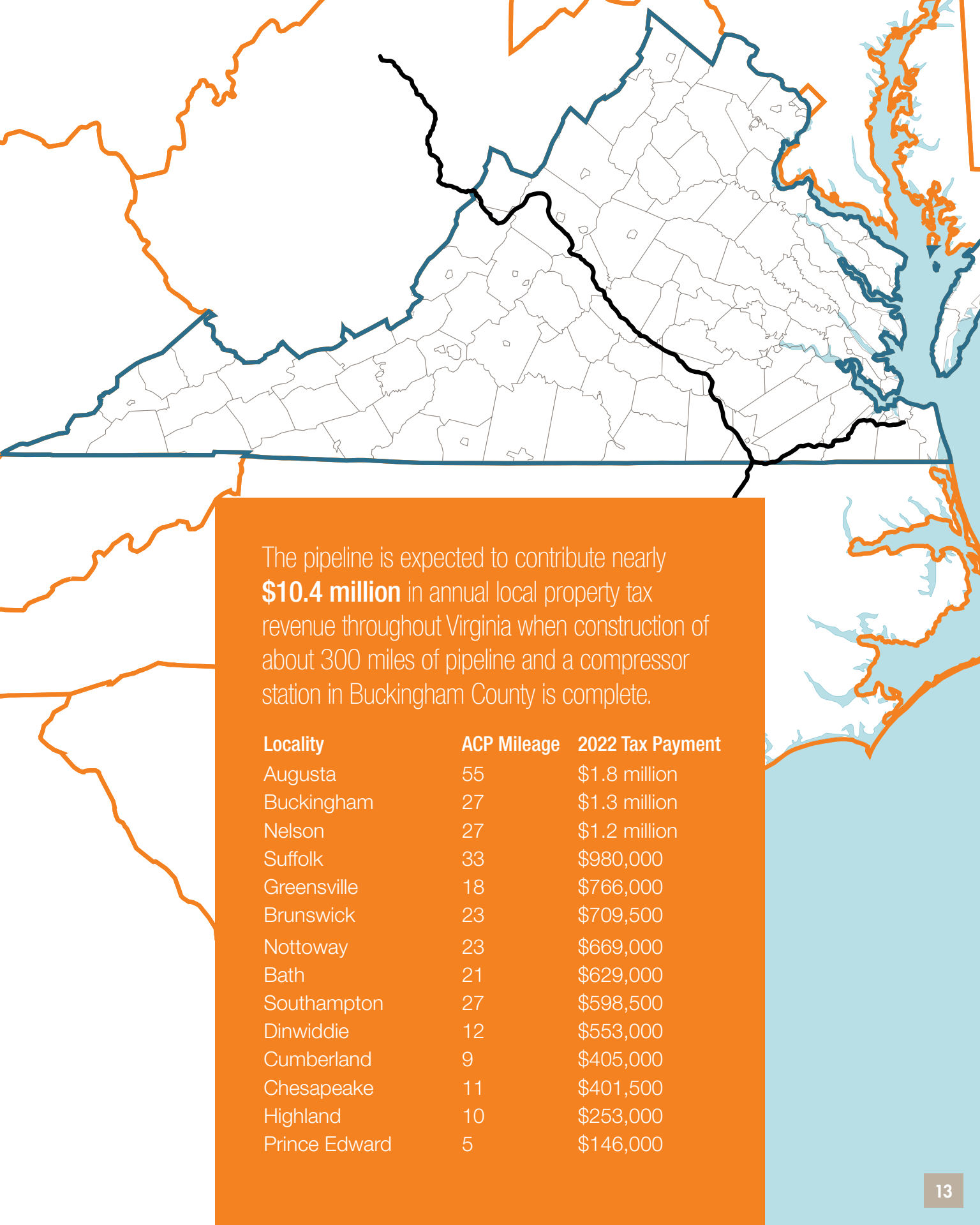
Total annual economic activity

**1,300**

Jobs supported

*"In many areas of Virginia, access to natural gas can mean the difference between a growing and vibrant economic base and one of stagnation."*

**2014 Virginia Energy Plan**  
*Virginia Department of Mines, Minerals, and Energy*



The pipeline is expected to contribute nearly **\$10.4 million** in annual local property tax revenue throughout Virginia when construction of about 300 miles of pipeline and a compressor station in Buckingham County is complete.

Locality	ACP Mileage	2022 Tax Payment
Augusta	55	\$1.8 million
Buckingham	27	\$1.3 million
Nelson	27	\$1.2 million
Suffolk	33	\$980,000
Greensville	18	\$766,000
Brunswick	23	\$709,500
Nottoway	23	\$669,000
Bath	21	\$629,000
Southampton	27	\$598,500
Dinwiddie	12	\$553,000
Cumberland	9	\$405,000
Chesapeake	11	\$401,500
Highland	10	\$253,000
Prince Edward	5	\$146,000

# A FOCUS ON NORTH CAROLINA

The Atlantic Coast Pipeline, with nearly a third of its infrastructure in the state, will spur economic activity and consumer savings.

The Atlantic Coast Pipeline route through North Carolina will begin in Northampton County and move southwest about 200 miles through eight counties in the state before ending in Robeson County in the southern end of the state.

## Pipeline Construction

Impacts in North Carolina from this phase of the project are estimated to generate:

**\$680.2 million**

Total economic activity

**4,426**

Jobs supported

**\$1.1 million**

Average annual tax revenue

## Pipeline Operation

Impacts in North Carolina from this phase of the project are estimated to generate:

**\$11.7 million**

Total annual economic activity

**925**

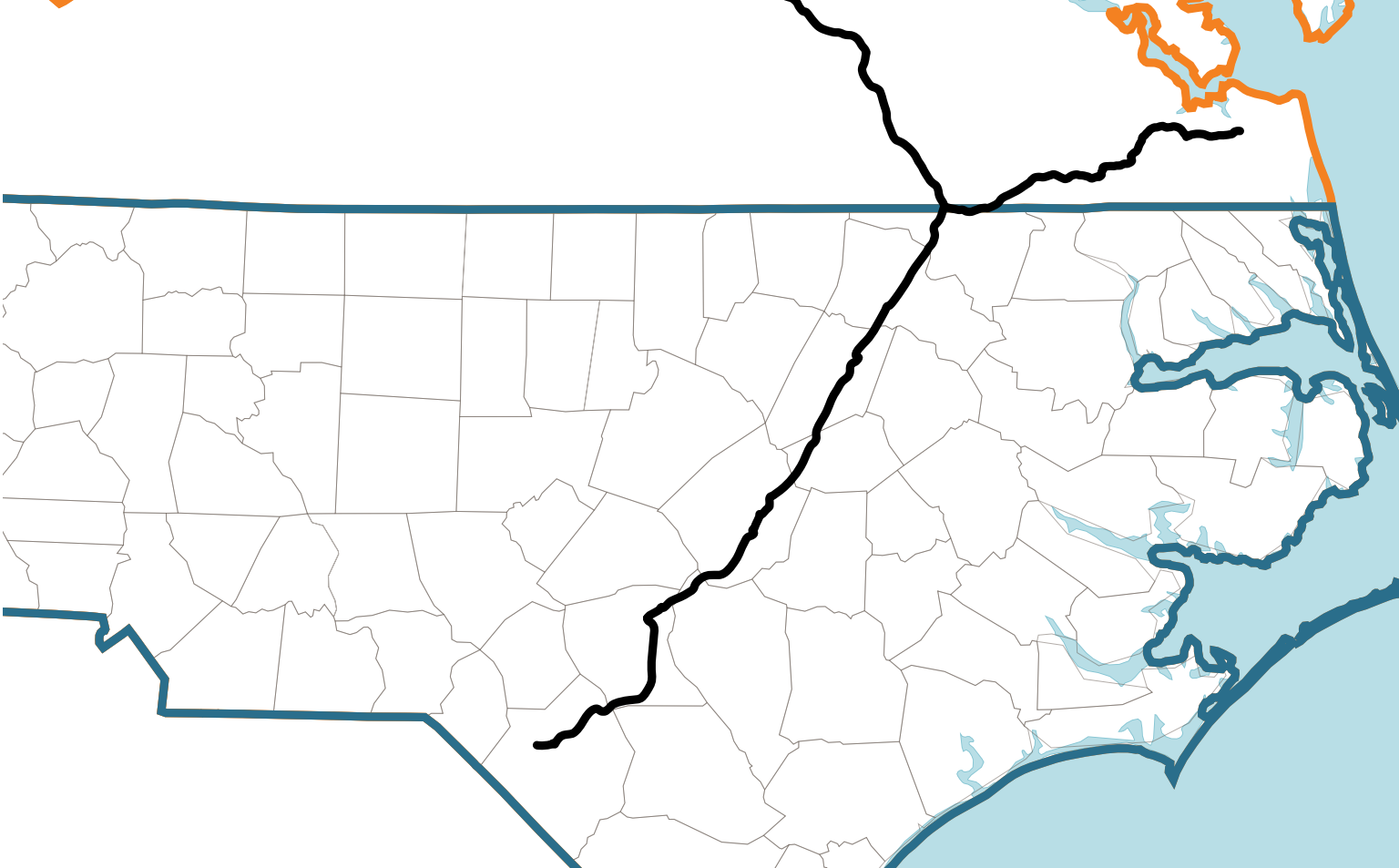
Jobs supported



**\$1.2 billion in capital expenditures** will be spent in North Carolina. Annually from 2019-2038, the state will benefit from \$48 million in labor income and \$82 million in gross state product from the pipeline. Consumers could also realize **\$134 million in annual average energy cost savings** during this period.

SOURCES: *THE ECONOMIC IMPACTS OF THE ATLANTIC COAST PIPELINE*, ICF INTERNATIONAL, FEBRUARY 2015  
*THE ECONOMIC IMPACT OF THE ATLANTIC COAST PIPELINE IN WEST VIRGINIA, VIRGINIA, AND NORTH CAROLINA*, CHIMURA ECONOMICS & ANALYTICS, SEPTEMBER 2014  
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The pipeline is expected to contribute nearly **\$7.7 million** in annual local property tax revenue throughout North Carolina when construction of about 200 miles of pipeline and a compressor station in Northampton County is complete.

Locality	ACP Mileage	2022 Tax Payment
Northampton	22	\$1.6 million
Johnston	37	\$1.4 million
Cumberland	39	\$1.3 million
Nash	32	\$1 million
Robeson	22	\$891,500
Halifax	24	\$762,500
Wilson	12	\$406,500
Sampson	8	\$286,500

# PARTNERS FOR SUCCESS

Dominion Energy, Duke Energy, Piedmont Natural Gas and Southern Company Gas have joined together to propose the construction of the Atlantic Coast Pipeline. Once complete, Dominion Energy will operate the pipeline. Subsidiaries of all four regionally-headquartered companies will use the Atlantic Coast Pipeline to help meet the growing energy needs of their customers.



## Dominion Energy

Headquartered in Richmond, Dominion Energy is a leading provider of energy services in the Mid-Atlantic, Midwest and Northeast, operating nearly 12,400 miles of natural gas transmission, gathering and storage pipelines in six states.



## Duke Energy

Headquartered in Charlotte, Duke Energy is the largest electric power holding company in the U.S. with electric distribution, electric generation, natural gas distribution, international generation and renewable energy assets.



## Piedmont Natural Gas

Headquartered in Charlotte, Piedmont Natural Gas is an energy services company primarily engaged in the distribution of natural gas and power generation for customers in North Carolina, South Carolina and Tennessee.



## Southern Company Gas

Headquartered in Atlanta, Southern Company Gas is an energy services holding company with operations in natural gas distribution, retail operations, wholesale and storage services and is the parent company of Virginia Natural Gas.

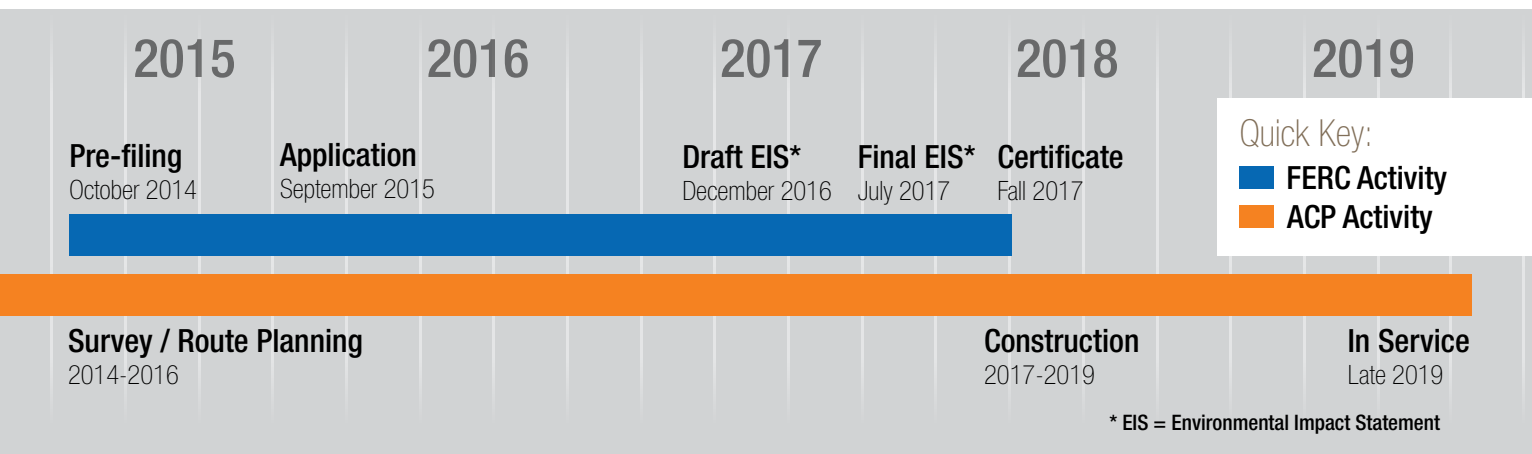


# FROM PROPOSAL TO PIPELINE

The Atlantic Coast Pipeline project team is committed to a transparent process that allows landowners and community stakeholders to have their voices heard.

## Anticipated Timeline

The Federal Energy Regulatory Commission (FERC) determines whether a proposed interstate natural gas pipeline project, such as the Atlantic Coast Pipeline, meets a public need.



## Opportunities for Public Participation

Throughout the entire process, there are many opportunities for the public to learn more about the project and participate by providing feedback on the Atlantic Coast Pipeline.



### Send a letter to FERC

Federal Energy Regulatory Commission  
888 First Street NE  
Washington, DC 20426  
Docket: CP15-554



### Comment on the project through the FERC website

[www.ferc.gov/help/how-to/ecomment.asp](http://www.ferc.gov/help/how-to/ecomment.asp)  
Docket: CP15-554



### Attend a public comment meeting near you



### Visit the ACP Facebook page

[www.facebook.com/acpipeline](http://www.facebook.com/acpipeline)

Learn more about opportunities to participate at [www.atlanticcoastpipeline.com](http://www.atlanticcoastpipeline.com).

# FREQUENTLY ASKED QUESTIONS

## Answers To Common Questions About the Pipeline



### **Q Are natural gas pipelines safe?**

**A** According to the U.S. Department of Transportation, underground pipelines are the safest way to transport natural gas — safer than highway, rail, airborne and waterborne methods of transport.

### **Q Why not invest only in renewable sources of energy such as wind and solar?**

**A** Renewables are important. But solar and wind cannot be counted on when power is needed around the clock. With federal regulations to improve air quality resulting in coal-fired power plants lowering production and some shutting down altogether, our region is in need of reliable energy sources that can meet demand 24 hours a day. Meeting this demand with reliable, abundant, domestic and clean-burning natural gas allows us the flexibility to continue working to incorporate more and more renewable sources into a balanced energy portfolio.

### **Q How will my community benefit from the Atlantic Coast Pipeline?**

**A** Pipeline construction could result in as much as \$2.7 billion in new economic activity throughout the region, support thousands of new jobs, help stabilize energy costs, promote economic development, improve air quality and generate significant tax revenues for the localities. Virginia and North Carolina consumers could save an estimated \$377 million annually on their utility bills.

### **Q Will I be able to see the pipeline?**

**A** The pipeline will be virtually invisible after construction. There are 2.5 times more miles of underground natural gas pipelines than interstate highways in Virginia. Yet few people ever notice. The Atlantic Coast Pipeline team is giving careful consideration to the areas that the pipeline will traverse and the communities that it will impact. They are committed to protecting the environment and will work with landowners to address concerns during construction and operation.

### **Q Who oversees natural gas pipelines and the application process for the Atlantic Coast Pipeline?**

**A** Natural gas pipelines are heavily regulated: The Federal Energy Regulatory Commission (FERC), with input from numerous federal and state environmental agencies, will conduct an in-depth review of the pipeline plan to determine public need and oversee the pipeline during construction and restoration. The U.S. Department of Transportation closely monitors pipeline safety once in service.

### **Q Will the natural gas in the Atlantic Coast Pipeline be exported?**

**A** The pipeline will serve customers including gas and electric utilities in Virginia and North Carolina—period. Natural gas moved by this pipeline is for domestic use, not export.

# THE ATLANTIC COAST PIPELINE BRINGS VAST BENEFITS TO OUR REGION:

CLEANER AIR AND A  
MORE RELIABLE SUPPLY OF ENERGY

\$377 MILLION IN ANNUAL ENERGY SAVINGS  
FOR CONSUMERS AND BUSINESSES

\$2.7 BILLION IN CONSTRUCTION SPENDING,  
SUPPORTING 17,240 JOBS

\$28 MILLION IN ANNUAL PROPERTY TAXES  
PAID TO COUNTIES AND CITIES

ABUNDANT, AFFORDABLE, AMERICAN  
NATURAL GAS FOR ECONOMIC DEVELOPMENT



**Your opinion matters.  
Please share your ideas, questions and concerns.**

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General inquiry toll-free number: 844-215-1819

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[www.facebook.com/acpipeline](http://www.facebook.com/acpipeline)

