Cumberland Energy Center

OVERVIEW

As demand for electricity continues to grow, our communities need power that is affordable, reliable, and creates lasting local benefits. This facility would deliver cost-effective power for families and businesses while supporting jobs in the region. Dominion Energy is investing locally to help strengthen the economy with reliable careers and a steady supply of affordable electricity our customers can count on today and into the future.

Cumberland Energy Center would consist of two 2-on-1 combined cycle units that would use natural gas to generate approximately 3,000 MW of baseload, around-the-clock, power to serve 750,000 homes.

STATE AND LOCAL IMPACTS

CONSTRUCTION

1,362
direct and indirect regional jobs (336 Cumberland)

$295.5 million
in regional economic activity ($71.8 million in Cumberland)

$696 million
in statewide economic output

OPERATION

120
direct and indirect regional jobs (102 in Cumberland)

$500 million
in county tax revenue over the life of the project

Source: Cumberland County Combined Cycle: Economic & Fiscal Contribution to Cumberland County, Virginia. Mangum Economics, March 2026

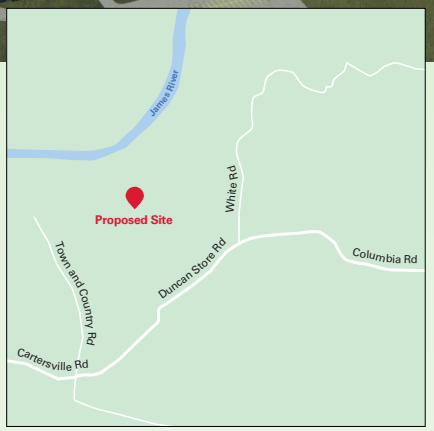
LEARN MORE

Dominion Energy values partnerships with local communities and businesses in the areas which we serve and across the Commonwealth. We are committed to providing opportunities for the Cumberland County community as part of the Cumberland Energy Center project.

Dominion Energy Careers:
Careers.dominionenergy.com

Become a Dominion Energy Supplier:
Dominionenergy.com/suppliers

Scan the QR code or visit **DominionEnergy.com/CumberlandEnergy**.



Cumberland Energy Center would be located in Cumberland County, near Duncan Store Road with a footprint of ~150 acres. Locating this facility near existing utilities, such as electric transmission, gas infrastructure and water, would minimize impacts to the greatest extent possible.

PROPOSED TIMELINE

ONGOING-2028
Planning and Development

2026-2028
Key Permitting and Approvals

2029-2034
Construction

2034
Completion

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Combined Cycle

A combined-cycle unit generates electricity by first producing power through a combustion turbine and then using a steam turbine to capture and reuse excess heat unused by the combustion turbine. They are designed for baseload use—meaning they provide power around-the-clock to meet overall power needs.

1 First, a combustion turbine is used to create power

- Ambient air is drawn into a compressor where the compression causes the temperature and pressure of the air to rise.
- The compressed air is mixed with the fuel source, primarily natural gas, in the combustion chambers and is ignited.
- The resulting gas expands and moves through the turbine causing it to spin.
- The spinning of the turbine drives a generator which produces electricity which is delivered to the grid to serve homes and businesses.

2 Second, the excess gas and heat are captured to make more power

- Excess gases and heat are captured by a Heat Recovery Steam Generator (HRSG) with duct burners where the heat is used to create steam.
- The steam then moves through a steam turbine causing it to spin.
- The spinning of the steam turbine drives another generator which produces electricity which is delivered to the grid to power homes and businesses.
- Once the steam passes through the steam turbine, it is cooled in an air-cooled condenser where it is converted back into water and returned to the HRSG for reuse.

Emission reduction equipment is utilized to minimize emissions in the exhaust. **These natural gas power stations are required to meet all federal and state requirements to ensure the health and safety of the community and environment.**