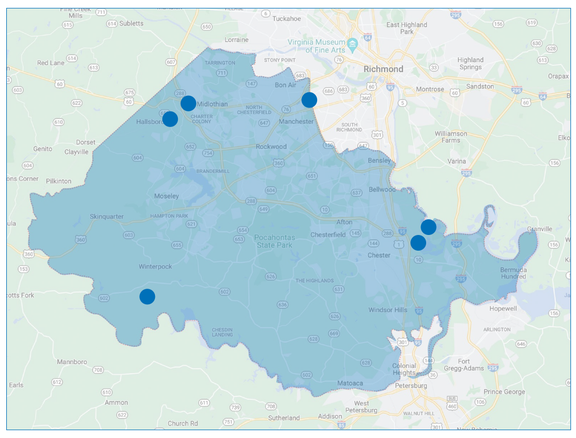
Dominion Energy's Presence in Chesterfield County

At Dominion Energy, we are committed to providing reliable, affordable, and increasingly clean energy that **powers our customers every day.**



Map of Assets in Chesterfield County

(Includes the Midlothian local office and multiple training centers)

Dry Bridge Battery Storage

Chesterfield Power Station

Winterpock Solar
(Under Construction)

We are committed to serving our customers and communities where we all live and work.

$12.23 million
Property taxes paid in 2024

$1.42 million
Philanthropic and corporate giving in 2024

165,000+
Customers served in 2024

71
Homes weatherized in 2024

831
Customers received bill pay assistance in 2024

1,960+
Hours volunteered in 2024

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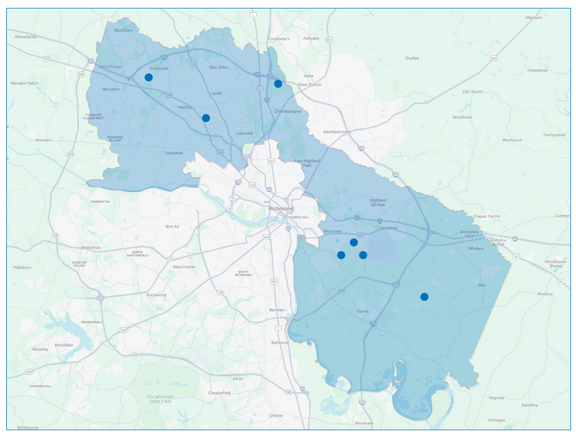
Chesterfield Energy Reliability Center

Dominion Energy's Presence in Henrico County

At Dominion Energy, we are committed to providing reliable, affordable, and increasingly clean energy that **powers our customers every day.**



Map of Assets in Henrico County

Includes Magnolia Systems Operations Center and multiple local offices

Darbytown Battery Storage (Pre-construction)

Magnolia Systems Operations Center

Bridleton Solar (Pre-construction)

We are committed to serving our customers and communities where we all live and work.

$9.9 million
Property taxes paid in 2024

$810,050
Philanthropic and corporate giving in 2024

160,000+
Customers served in 2024

18
Homes weatherized in 2024

764
Customers received bill pay assistance in 2024

2,890+
Hours volunteered in 2024

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Chesterfield Energy Reliability Center

What is CERC?

Chesterfield Energy Reliability Center will be a ~1,000 MW “always-ready” power generation facility.

Four ~250 MW simple cycle combustion turbines (CTs)

- Proven, low emission technology
- Provide enough power to serve roughly 250,000 homes
- Will serve as a power generation source when other resources are unavailable or insufficient to meet customer needs

Flexible fuel capability

- Ability to run on natural gas, fuel oil, and possibly a hydrogen-blend in the future

Designed to start-stop over short periods

- Able to start and stop in ~10 minutes and run for short or long durations
- Always-ready, but will only run when needed

Over its lifetime, CERC is expected to save our customers approximately $1 billion versus purchasing power from the market to meet demand.

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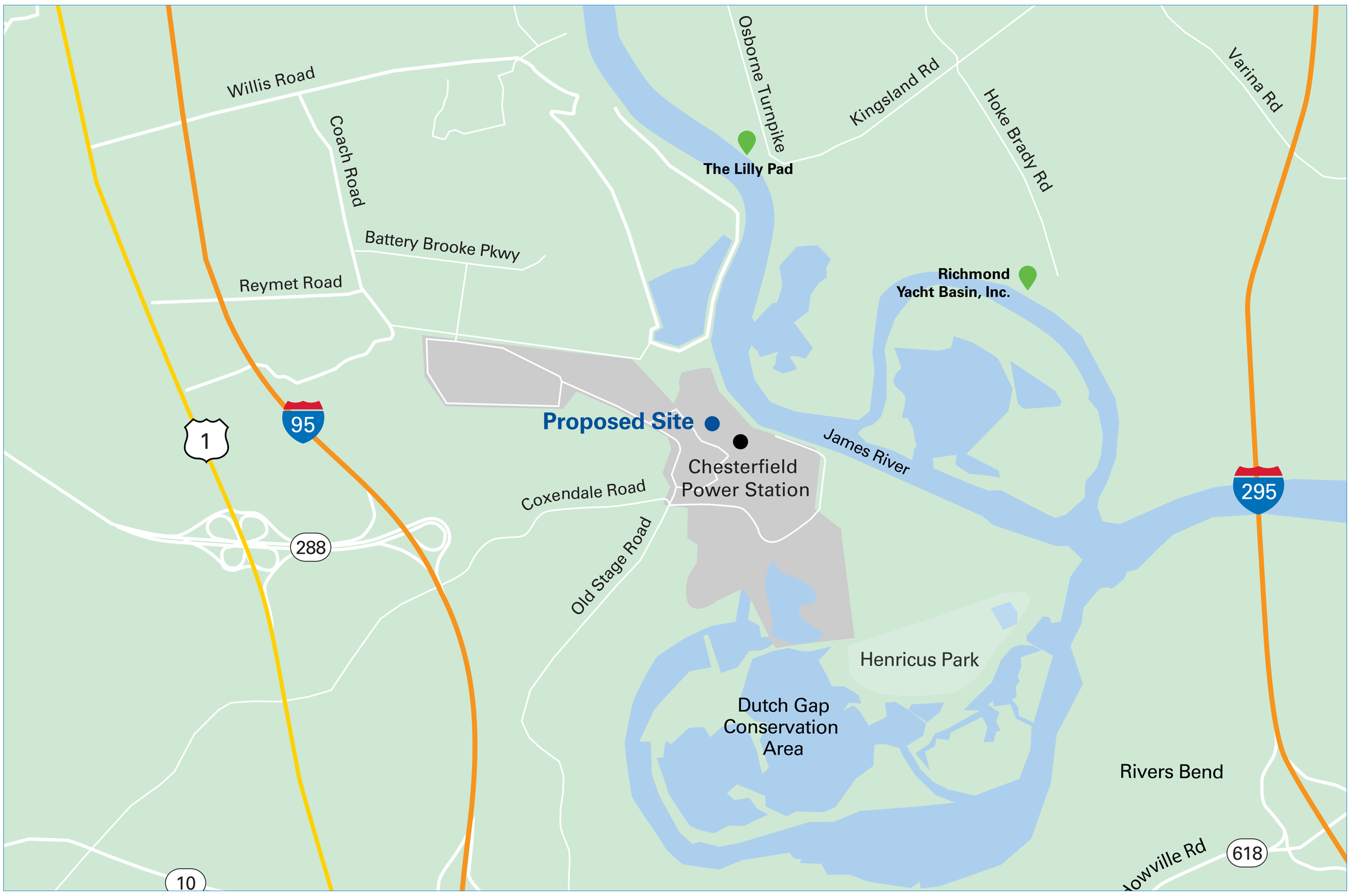
Chesterfield Energy Reliability Center

Where will CERC be located?



Chesterfield Energy Reliability Center will be located on the existing Dominion Energy-owned Chesterfield Power Station property, near the still operating Chesterfield Power Station Units 7 & 8.

On existing Chesterfield Power Station property

- Limits construction and operation to the already existing footprint
- Minimizes impacts to wetlands and cultural resources
- Much of necessary infrastructure needed to deliver power to the grid is already in place

Approximately one mile away from the nearest home

- Minimizes impacts to the neighboring community

Over $500 million in customer costs are saved by locating CERC at the existing Chesterfield Power Station property versus elsewhere in Virginia.

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Chesterfield Energy Reliability Center

How It Works

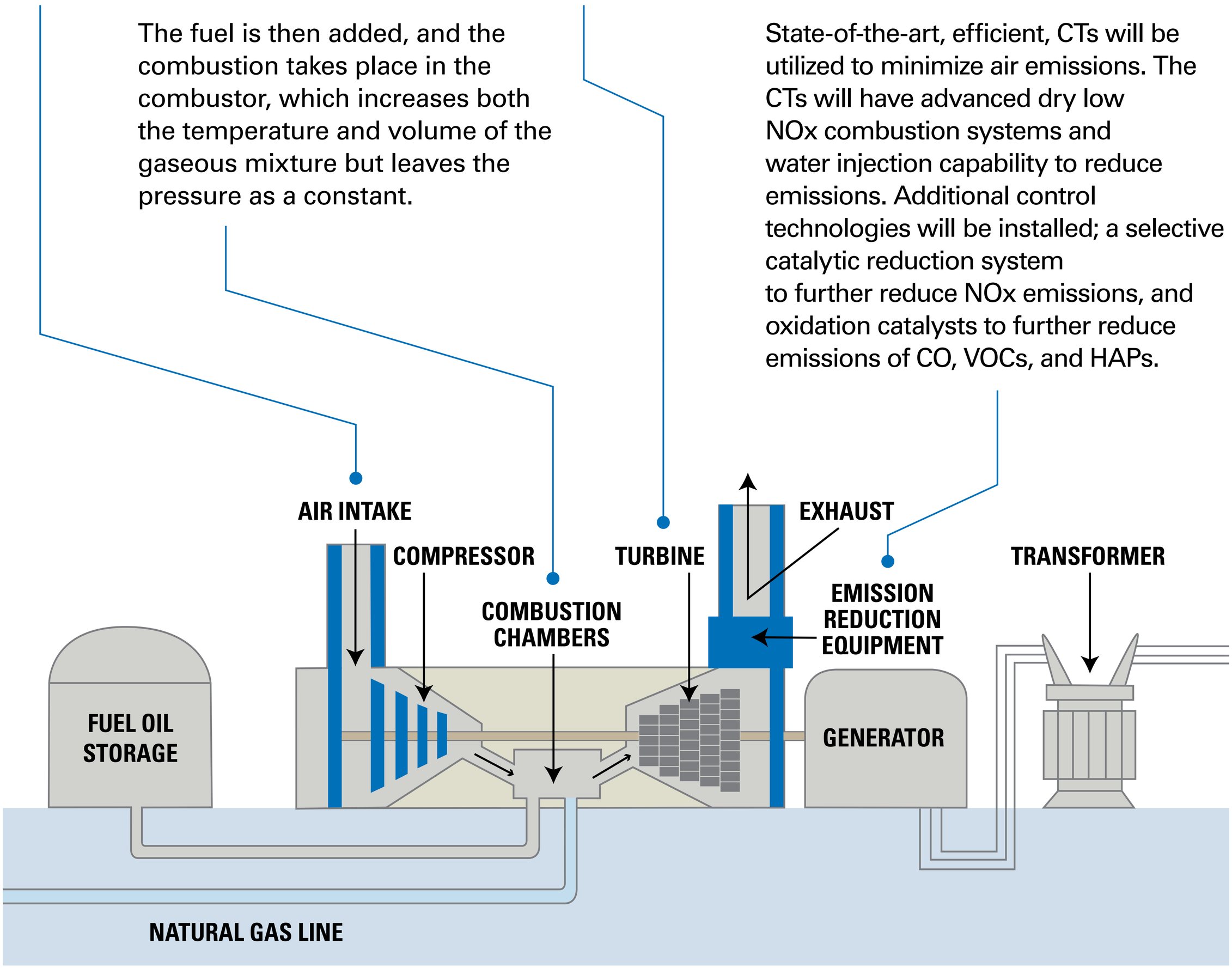
The Dual Fuel Combustion Turbine (natural gas and fuel oil) will meet grid demand with its fast start to full load.

The compressor takes the input air and compresses it, which will increase the temperature and decrease the volume.

The fuel is then added, and the combustion takes place in the combustor, which increases both the temperature and volume of the gaseous mixture but leaves the pressure as a constant.

This gas is then expanded through the turbine where the power is extracted through the decrease in pressure and temperature and the increase in volume.

State-of-the-art, efficient, CTs will be utilized to minimize air emissions. The CTs will have advanced dry low NOx combustion systems and water injection capability to reduce emissions. Additional control technologies will be installed; a selective catalytic reduction system to further reduce NOx emissions, and oxidation catalysts to further reduce emissions of CO, VOCs, and HAPs.



The facility plans to utilize county water and sewer utilities, so facility operations will not require water withdrawal from or discharge to the James River.

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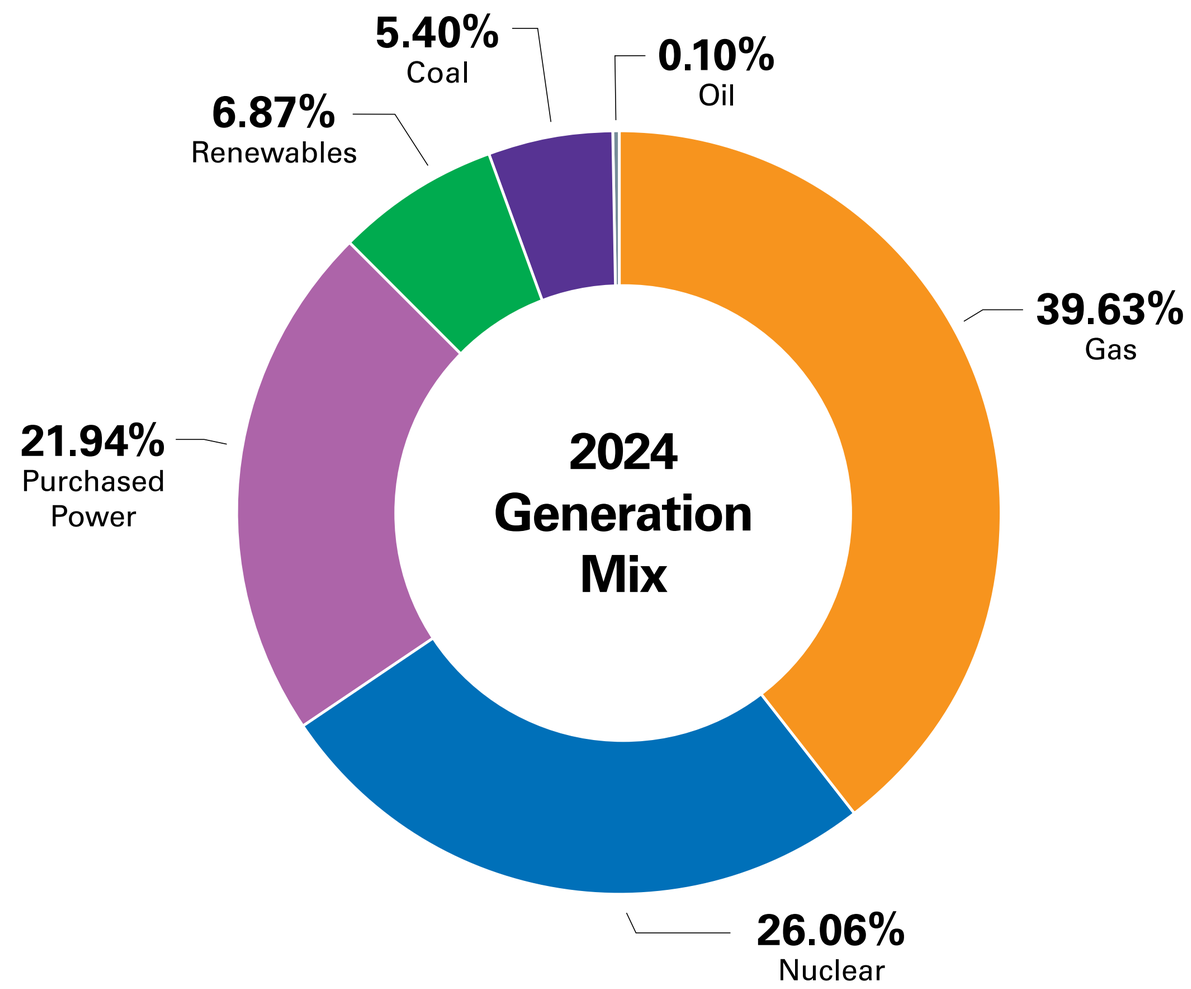
Chesterfield Energy Reliability Center

Clean Energy Transition

What We're Doing Today to Prepare for Tomorrow

- Constructing 2.6GW of Offshore Wind
- Approximately 6,500MW of solar generation is under development or in operation
- Relicensing our nuclear units to continue providing over 3.7GW carbon-free around-the-clock generation
- Working with farmers to produce cleaner energy from renewable natural gas



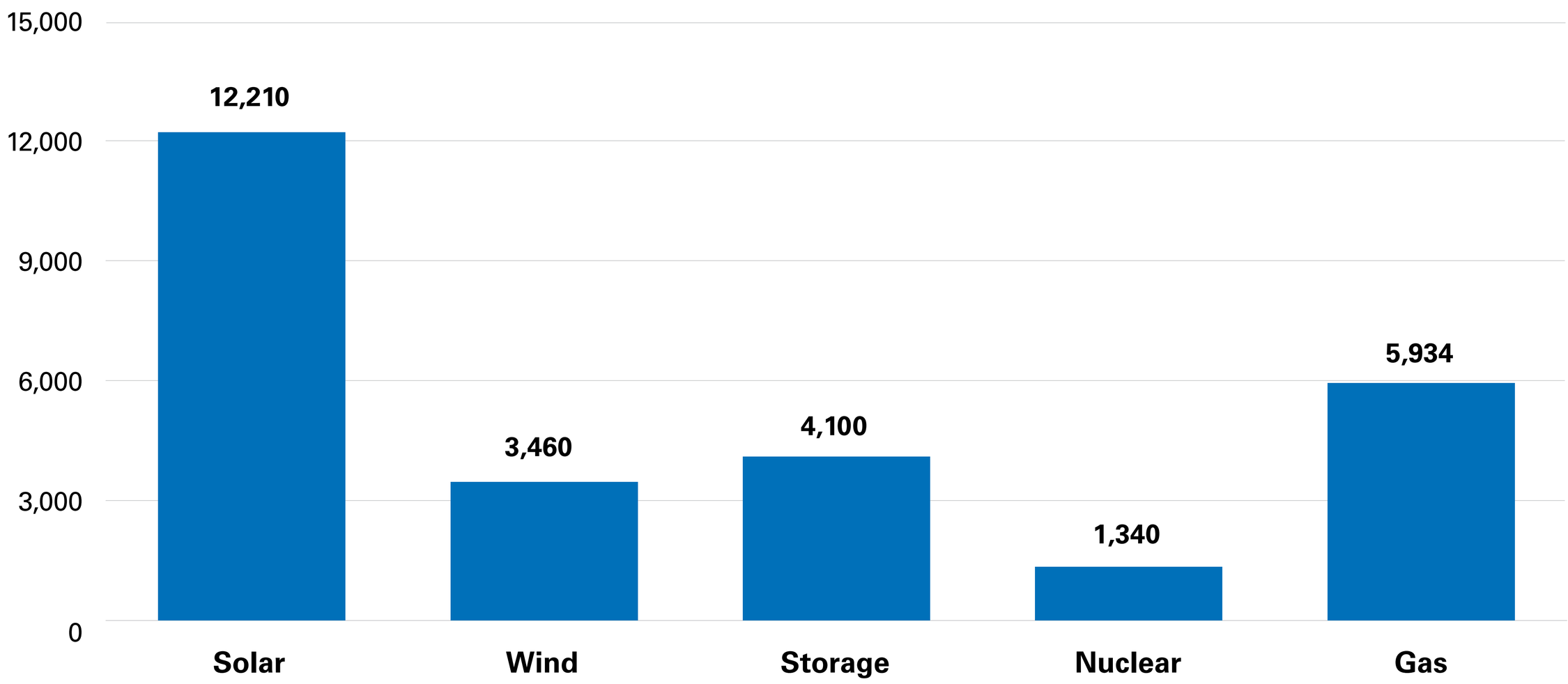
CERC Will Help Reach Clean Energy Goals

- Ensure reliability while allowing for renewable and clean energy technologies to be piloted and deployed
- Providing always-ready power when we need it the most with as little as 10 minutes notice

DEV 2024 Integrated Resource Plan

New Power Generation Capacity Deployed thru 2039 (by Technology)

Total Megawatts (MW)



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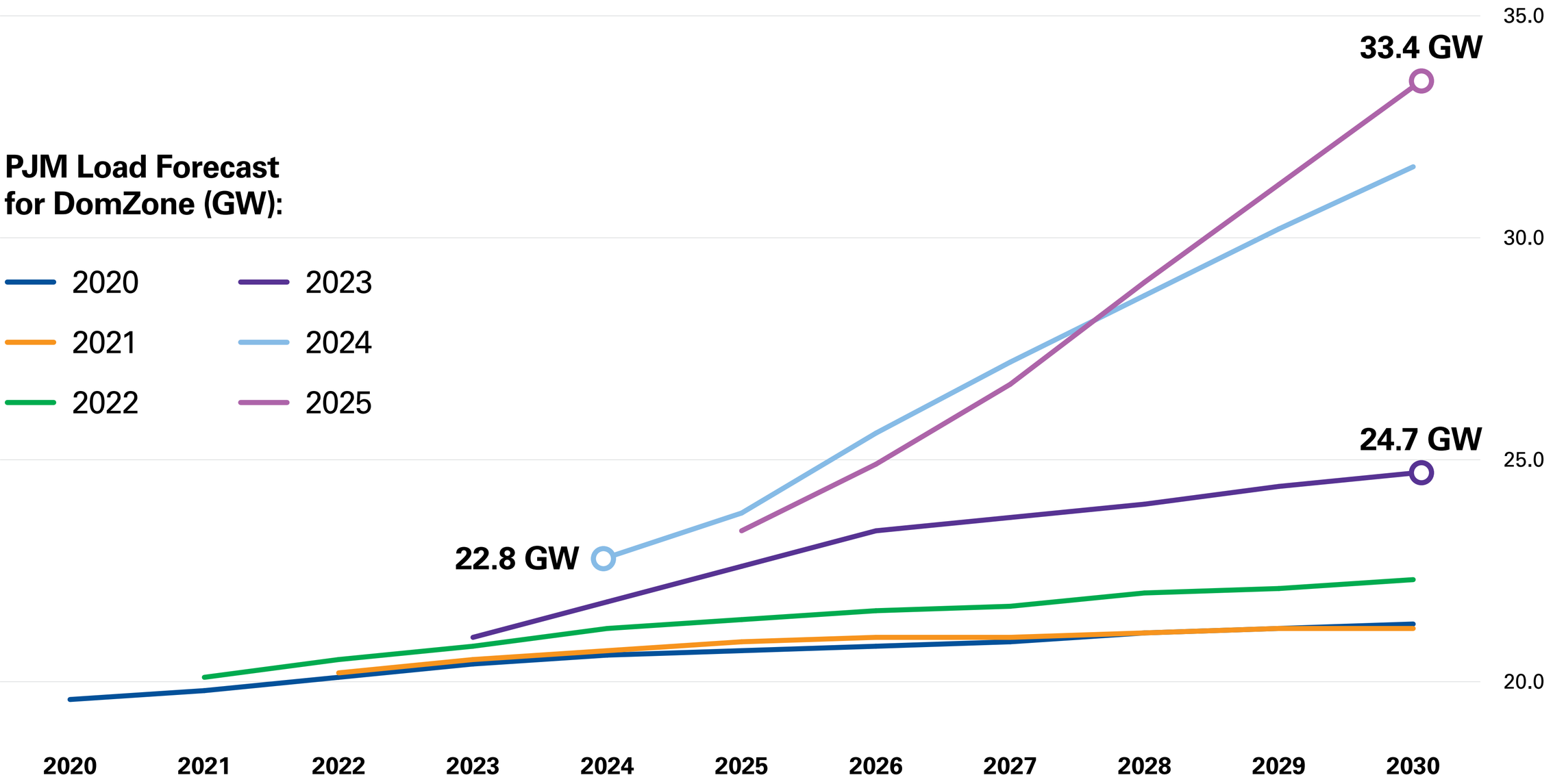
Chesterfield Energy Reliability Center

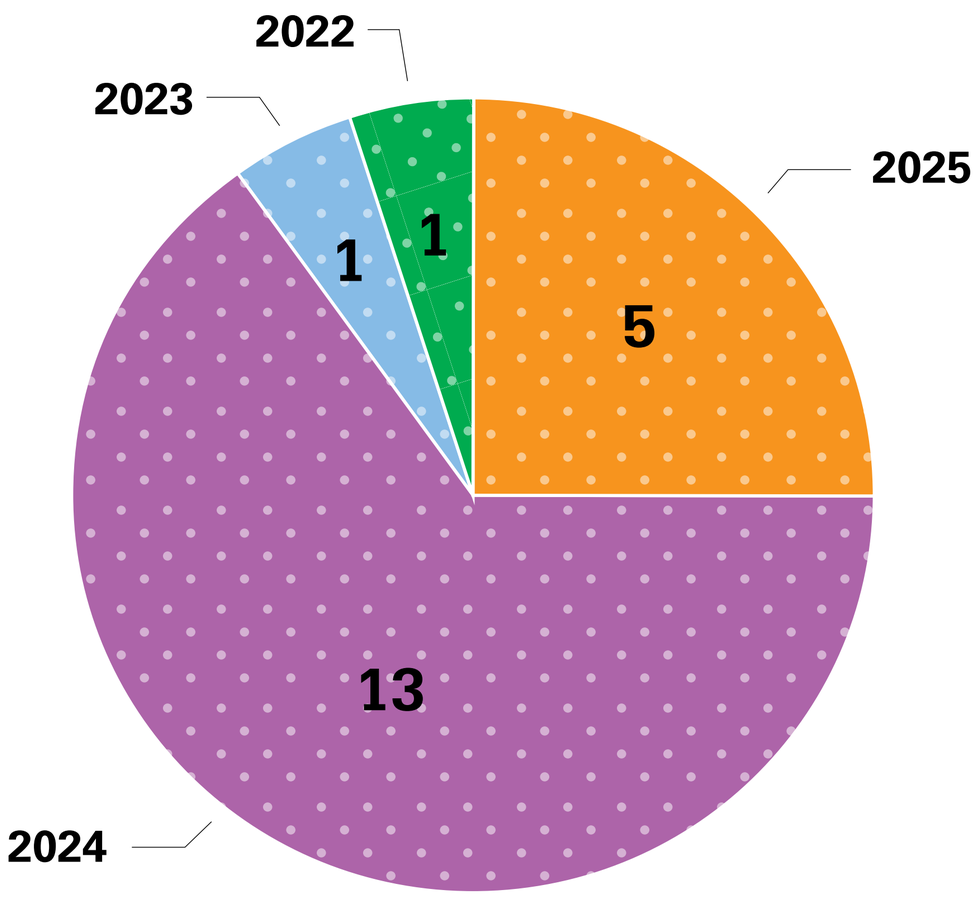
Why is CERC needed?

New load forecast report projects an average 10-year summer load growth of 6.3% per year.

Dominion Energy Virginia hits all-time peak load on January 23, 2025: **24,678 MW**



Top 20 Dom Zone* Peaks



* Dom Zone includes DEV service area in Virginia and Northeast North Carolina, along with cooperative and municipal electric utilities in the same area.

Load Growth

- 5x larger expected growth than that experienced over the last 10 years
- More energy and capacity needed to support customers

Peak Demand Growth

- 90% of our all-time top 20 peaks have occurred since January 2024
- These peaks are generally occuring at 7am and 5pm
- The common theme is that these peaking events tend to be multi-day events showing us that our base loads are increasing, pushing us to new peaks

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Dominion Energy Commitments to Surrounding Communities

Minimize Impacts

Construction and operations will take place in a manner that will be protective of the environment and surrounding community

- Utilizes existing infrastructure at the station to avoid constructing new natural gas pipelines or new electric transmission lines.
- Station will meet or exceed all federal and state requirements for environmental protection.
- Station will be designed to meet all requirements of the existing Chesterfield Power Station Conditional Use Permit.
- No new water withdrawals.
- Essentially eliminates all tree clearing and minimizes any potential impacts to threatened and endangered species or cultural resources.
- Traffic will be limited through coordination with Chesterfield Public Schools and other heavy-traffic businesses.

Reliable and Affordable Energy

The most underserved and vulnerable communities are hit hardest when the power goes out or costs go up. Dominion recognizes it is critical to maintain reliability and affordability, while pursuing clean energy goals. We are committed to powering your every day.

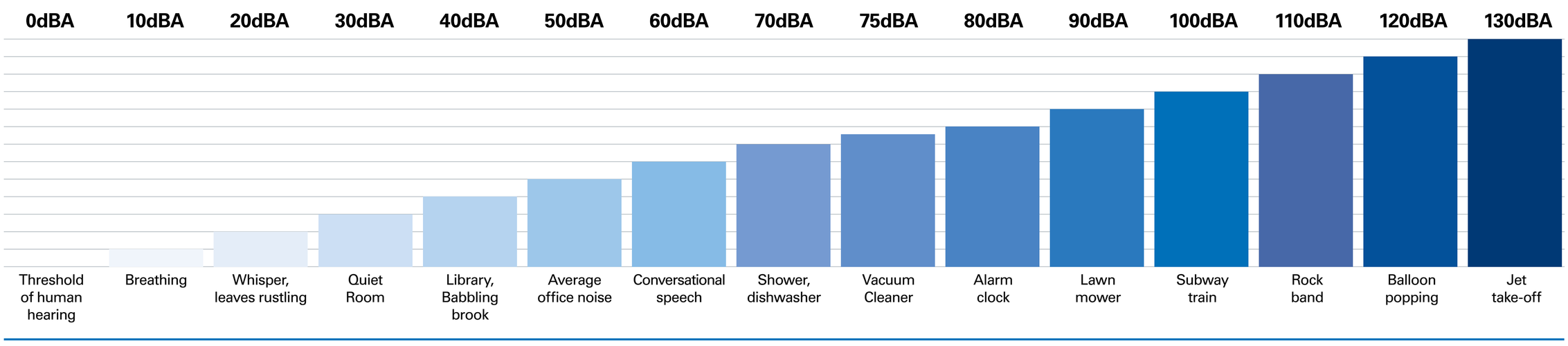
Provide Support

Continue to support efforts to make the surrounding community a better place to live

- Clean energy efforts such as school bus electrification and home weatherization
- Park construction and local organization support to make the outdoors more readily available to all

Noise

Dominion Energy prides itself on being a good neighbor. With that in mind, we would not exceed 75dBA at the existing Chesterfield Power Station site property line. Dominion Energy will complete near and far field sound measurements at the end of the project to ensure compliance with any permit, or contractual guarantee of the CT vendor or the construction contractor.



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Air Permitting

Air permitting requires and ensures protection of human health and the environment specifically including sensitive populations.

PTE Emissions (Tons per year)		
Pollutant	**CERC Project**	**Retired CPS Units 5 & 6**
Nitrogen Oxides (NOx)	353	4,491
Carbon Monoxide (CO)	825	940
Volatile Organic Compounds (VOC)	162	108
Particulate Matter (PM)	82	1,347
PM <10 microns in diam. (PM_{10})	154	1,347
PM <2.5 microns in diam. ($PM_{2.5}$)	154	776
Sulfur Dioxide (SO_2)	28	5,928
Sufuric Acid Mist (H_2SO_4)	18	3,435
Green House Gases (CO_2e)	2,214,420	9,310,562

Note:

1. CERC Project PTE is based on the proposed maximum operating profile specified in the CERC air permit application.
2. PTE for retired CPS coal fired Units 5 & 6 were based on emission limitations where available in the air permit, otherwise readily available EPA emission factors (i.e. AP-42 and Part 98) were used.
3. PM, PM_{10}, and $PM_{2.5}$ PTE for the retired CPS Units 5 & 6 is based on filterable particulate only consistent with the permit and provides conservative comparison.

Project design and purpose support minimization of emissions.

- The Project is designed as a limited utilization source to ensure reliable power during times of peak need and support the transition to renewable power sources.
- The combustion turbines selected are designed for quick and efficient starts and will be permitted for low utilization.
- The combustion turbines can use hydrogen blended fuel which is lower carbon emitting.

The Project requires an air permit that further ensures the best available control technologies are selected.

- NOx emissions controlled by state-of the art low-NOx combustors and post combustion controls (selective catalytic reduction (SCR)).
- CO, VOC, HAP emissions controlled by good combustion practices and post combustion controls (oxidation catalyst).
- SO2, PM, PM10, and PM2.5 emissions controlled by use of low-sulfur fuels and good combustion practices.
- Selection of best available control technologies overseen by state agency responsible for environmental protection.
- CERC's potential to emit is significantly lower than the collective pollutants for retired CPS Units 5 & 6.

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Chesterfield Energy Reliability Center

Air Permitting

Air permitting requires and ensures protection of human health and the environment specifically including sensitive populations.

Maximum Cumulative Modeled Impacts

Pollutant (Averaging Period)	Highest modeled concentration (facility and other sources) (µg/m³)	Background concentration (µg/m³)	Total concentration (modeled plus background) (µg/m³)	NAAQS (µg/m³)	Percentage of NAAQS
NO_2 (1-hour)[a]	143.11		143.11	188	76.12
NO_2 (annual)	6.64	7.5	14.14	100	14.14
CO (1-hour)	549.06	1,610	2,159.06	40,000	5.40
CO (8-hour)	154.98	1,380	1,534.98	10,00	15.35
SO_2 (1-hour)	136.7	7.9	144.61	196	73.78
SO_2 (3-hour)	80.80	11	91.80	1,300	7.06
SO_2 (annual)	4.07	0.8	4.87	26	19.73
$PM_{2.5}$ (24-hour)	11.97	11.5	23.47	35	67.06
$PM_{2.5}$ (annual)	2.35	5.8	8.15	9	90.55
PM_{10} (24-hour)	62.19	24	86.19	150	57.46
Ozone (8-hour)[b]	2.22 ppb	58 ppb	60.22 ppb	70 ppb	86.03

a. Season and hour of day variable background values were used for the 1-hour NO_2 modeling.

b. Ozone results are based on EPA's MERP methodology.

Air permitting requires and ensures protection of human health and the environment specifically including sensitive populations.

- Dispersion modeling completed using US EPA approved models and methodology demonstrating that the Project will not cause or contribute to an exceedance of any National Ambient Air Quality Standard (NAAQS).
- US EPA standards are set to protect public health, including "sensitive" populations such as asthmatics, children and the elderly, and the environment.
- Permitting will also ensure additional state standards are met to protect public health.
- Further, Dominion Energy conducted a more in-depth analysis of additional project pollutants which included air dispersion modeling. Maximum modeled results were all significantly less than their respective state ambient air concentration which are designed to ensure protection of human health.

Consideration of Environmental Justice (EJ) is integral to the air permitting process.

- Air permitting will be in accordance with Virginia law and DEQ guidance designed to protect environmental justice communities.
- The permitting process also includes:
  - Communication and outreach to the surrounding community led by the Company and DEQ
  - Opportunities for the public to provide comments to the Company and state regulators
- EJ Analyses were completed and submitted to DEQ demonstrating project emissions will not have a significant adverse or disproportionate impact to any community EJ communities.

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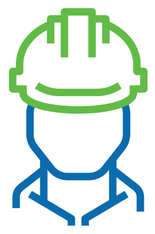
Expected Economic Impact

Chesterfield Energy Reliability Center not only helps ensure continued reliable service but will help replace the lost tax revenues and local economic activity resulting from the retirement of Chesterfield Units 5 & 6 while supporting the transition to clean energy and providing additional positive impacts for the local community.

Construction (Total)

$252.9 million
in economic activity.
($103+ million in Chesterfield)

$11.2 million
in state and local tax revenue.



955
direct, indirect and induced jobs.
(490+ in Chesterfield)

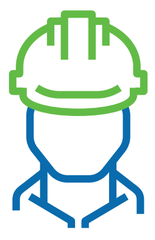
Opportunity for local businesses–Construction suppliers, civil construction, equipment rentals, hospitality, restaurants, gas stations, hotels

Operations and Maintenance

$36.5 million
new annual economic activity.
($28.7 million in Chesterfield)

$26.2 million
in state sales tax revenue.

$182.9 million
in new total Chesterfield County tax revenue over the lifetime of the project.



55
direct, indirect and induced jobs.
(35 in Chesterfield)

Source: Estimated economic impacts determined by Mangum Economics

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Chesterfield Energy Reliability Center

Opportunities for Local & SWaM Businesses

Dominion Energy is committed to providing opportunities for Chesterfield County and Virginia businesses and workforce to deliver Chesterfield Energy Reliability Center (CERC). As a result, CERC is committed to partnering with local and Small, Women- and Minority-owned (SWaM) businesses in Chesterfield County and the surrounding area.

We expect our contractor to also provide opportunities to local and SWaM businesses, and union shops, when awarding subcontracts. The Engineering, Procurement and Construction (EPC) contractor will be responsible for soliciting bids for project work, including from local employment interest. Please reach out to us at CERC@dominionenergy.com to receive additional information.

Español

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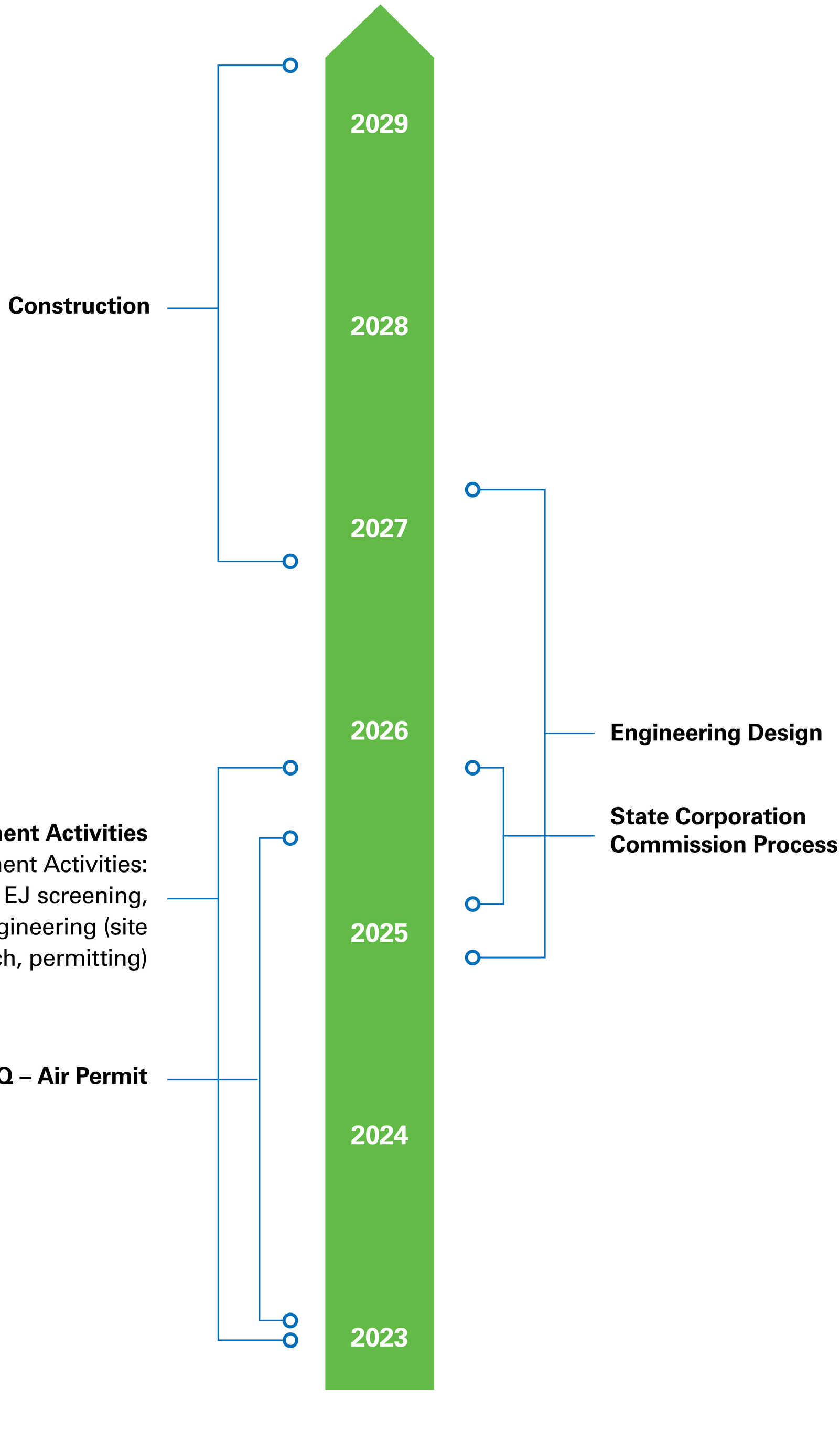
Tentative Project Timeline



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Permitting Process

ANNOUNCEMENT OF PROJECT

DEQ Air Permit

- Submittal of Air Permit Application to VDEQ, August 1, 2023
- DEQ Air Permit Informational Briefing, November 16, 2023
- DEQ Air Permit Public Participation Process
- DEQ Air Permit Decision

State Corporation Commission (SCC)

- Submittal of Project to SCC, March 3, 2025
- SCC Certificate of Public Convenience and Necessity Hearing
- SCC Decision

The permitting process includes ensuring the project will meet Environmental Protection Agency (EPA) established National Ambient Air Quality Standards and applicable Virginia Department of Environmental Quality (VDEQ) standards.

The process also requires State Corporation Commission (SCC) determination that the project is needed and will benefit Dominion Energy customers and the community.

During and between each step of the process community engagement will take place including public meetings, organization meetings, and one-on-one and small group meetings to ensure the project team is available to listen to the community and answer any questions.

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Project Contact

Scan the QR code or to learn more visit **DominionEnergy.com/CERC**

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