



MIDYEAR IMPACT REPORT 2025

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2025 HIGHLIGHTS

Virginia Energy's Midyear Momentum

Brought in **\$405 MILLION IN NEW GRANT FUNDING**, bringing Virginia Energy's active project portfolio to **OVER \$830 MILLION STATEWIDE**

Secured the **WORLD'S FIRST FUSION POWER DEAL** as Google committed to buy 200 MW from CFS's ARC plant in Chesterfield, which received early funding from the **VIRGINIA CLEAN ENERGY INNOVATION BANK (VCEIB)**

Exceeded the Governor's goal of a **25% REDUCTION IN UNNECESSARY REGULATORY BURDENS** by cutting red tape and expanding compliance pathways, contributing to **\$1.2 BILLION** in annual savings for Virginians.

The Energy Bank funded the **NATION'S ONLY 12-MODULE NUSCALE SMR CONTROL ROOM SIMULATOR** at GMU to advance nuclear workforce training

Recorded **ZERO MINING FATALITIES** while providing **SAFETY TRAINING FOR 500+ MINERS** across Virginia

Announced **\$11M IN AMLER FUNDING** for economic revitalization and established a new set-aside fund to ensure Virginia retains millions in federal support for **PUBLIC SAFETY & ENVIRONMENTAL REMEDIATION** programs across the coalfields

Secured **\$225,000 FOR A NEW GEOPROBE** drill to collect high-quality soil and sediment samples—advancing **CRITICAL MINERALS EXPLORATION**, geologic mapping, and coastal resiliency with minimal ecological impact

STATE ENERGY OFFICE

Investing in Next-Gen Nuclear R&D Projects

The Virginia Power Innovation Program (VPIP) awarded \$1.2 million to support a microreactor testbed (VA-RERF) and a next-gen materials research center (VA-CNMR), expanding in-state nuclear research capabilities and preparing the workforce for advanced reactor deployment.

Helping Underserved Communities Save Energy & Cut Costs

A new \$1.6M round of EECBG grants opened to support energy audits, education, and conservation campaigns in communities that need them most.

Clean Transportation Gains Traction Across Virginia

\$1M in reimbursements supported low-emission vehicle rollouts, including \$298K in Q2 alone. CMAQ funded 55 vehicle deployments, including 10 propane-electric school buses and 45 EVs.

EV Infrastructure Expands into Charging Deserts

Virginia invested \$1.1M to install 20 EV charging stations across the state, helping close the infrastructure gap for electric vehicles.

Statewide Electrification Initiative Hits Milestone

The \$14M Mid-Atlantic Electrification Partnership is nearing completion, having deployed 591 chargers at 320 locations and integrated 107 EVs into government, workforce, and rideshare fleets.

Public Energy Planning Tools Now Available

Virginia Energy developed a statewide Energy Resources Map and County Energy Profiles to support local governments and residents with transparent data and strategic planning tools.



Transportation Lead & GIS Analyst, Edward Cronin, discussed how Virginia's alternative fuel and electric vehicle programs are helping improve operations, reduce emissions, and build the workforce driving the future of freight innovation along with industry leaders at the Dock 2 Door Coalition's annual event.

Richmond Times-Dispatch

Youngkin Isn't Killing Clean Energy, He's Saving It from Itself

OP-ED by Glenn Davis



Five Years in, VCEA Still Gets the Problem and Solution Wrong

OP-ED by Glenn Davis



Google Agrees Deal to Buy Power from Planned Nuclear Fusion Plant



Associated Press

US' largest 250 MW SMR Simulator to Advance Nuclear Engineering opens in Virginia



More Electric Vehicle Charging Ports Coming to Va.



VIRGINIA CLEAN ENERGY INNOVATION BANK

Powered by Virginia Energy 

Virginia Positioned to Lead Global Fusion Power Market

Commonwealth Fusion Systems has filed zoning for its ARC plant in Chesterfield County. With Google committing to buy 200 MW of power—half of its total output—Virginia is now home to the world's first commercial fusion agreement and a global proving ground for next-generation energy.

Accelerating Hands-On Nuclear Education

VCEIB funded the NuScale SMR simulator at George Mason University to help prepare the next generation of nuclear operators and engineers.

New Leadership to Drive Clean Energy Investment

Simon Glossop, a veteran of clean energy finance, was appointed Director of the Virginia Clean Energy Innovation Bank, bringing international expertise to support grid innovation, workforce development, and strategic projects like fusion and nuclear.

Where Energy, Innovation, & Investment Collide

The Virginia Clean Energy Innovation Bank accelerates the deployment of clean power generation and energy infrastructure across the Commonwealth by mobilizing and private capital to address critical financing gaps.

4
Projects
Funded

45
Projects
Reviewed

17
Agency
Partnerships
(state & federal)

For general questions regarding VCEIB, please contact energybank@energy.virginia.gov



Programs will begin at George Mason University's newly installed state-of-the-art Small Modular Reactor (SMR) Control Room Simulator in Arlington this summer. Developed by NuScale Power Corporation and funded through the Virginia Clean Energy Innovation Bank, this cutting-edge tool is **the only 12 module simulator in the nation**.

MINING & MINE SAFETY

7 Abandoned Mine Land Projects Completed (AML/IHJA)

\$2M in funding addressed highwalls, mine openings, slides, emergency projects, and subsidence issues.

\$11M in AMLER Funding Announced

Investments in mined land redevelopment will continue to support economic growth in the coalfields region, backed by \$11 million in new AMLER funding and a newly established set-aside fund to ensure Virginia retains millions in federal support for mine safety and revitalization.

Up to \$40M in FY24 Project Proposals Expected

High demand anticipated; summer check presentations planned across Southwest Virginia.

750 Trees Planted at Annual Arbor Day Event

Over 100 students replanted reclaimed mine land in Russell County, blending reforestation with STEM and clean energy education.

National Recognition for Community Engagement

Virginia Energy's Arbor Day event received the 2025 Public Outreach Award from the Interstate Mining Compact Commission.

Coal Production Up 5.5% YTD

4.3 million tons produced through early June, on track for over 5 million tons H1 2025.

Mine Rescue Team Takes Top Honors

Virginia's team placed 1st and 2nd at the Southeast Regional mine safety competition and Governor's Cup.

100% of Required Inspections Completed

Over 8,000 hours of inspections and 250+ job safety observations completed.

2,000
certifications
issued

500+
miners
trained

0
fatalities



**VIRGINIA CONTINUES
TO STRENGTHEN ITS ROLE
IN ADVANCING DOMESTIC
CRITICAL MINERALS
PRODUCTION.**

Atlantic Strategic Minerals (ASM) in Petersburg

GEOLOGY & MINERAL RESOURCES

Virginia to Host National Geology Forums

Virginia Energy was selected to co-host the 2026 Association of American State Geologists annual meeting and host the 2026 Geology of Industrial Minerals Forum.

Over 3,800 Square Miles Mapped in H1 2025

689 Landslide Records Inventoried in 2025

Enhancing statewide geohazard response and resilience planning.

Six geologic maps converted to GIS; an economic geology geodatabase developed for aggregate planning in the Middle Peninsula.

Awarded a USGS Earth MRI Mine Waste grant

for tailings assessment at two active and two historic mines.

Virginia Energy was invited to submit a proposal focused on dating rare earth element (REE) deposits in the Fall Zone.

Geoprobe to Boost Critical Minerals Efforts

Virginia Energy secured \$250,000 in state funding for a new geo probe drill capable of collecting high-quality soil and sediment samples—advancing critical minerals exploration, geologic mapping, and coastal resiliency with minimal ecological impact.

OIL & GAS

10 Methane Mitigation Projects Scheduled

Funded emissions reduction from marginal gas wells through 2028, targeting legacy methane leakage.

8,113 Active Wells Now Regulated

Includes over 6,000 coalbed methane wells (82% of statewide production).

1 Pipeline & 97 Well Permits Issues

Permitting activity remains strong, balancing economic opportunity and environmental stewardship.



\$26M Disbursed from CBM Escrow Program

Supporting landowners and leaseholders in Southwest Virginia gas fields.

120_{mi²}

detailed geologic mapping

3,025_{mi²}

regional mapping

1,387_{mi²}

aggregate resource mapping in the Middle Peninsula

TECHNOLOGY, PROGRAMS, & REGULATION

New Tools Improve Access to Environmental Data

Virginia Energy's GIS team launched the KarstView interactive webmap, providing open access to karst geology data near the I-81 corridor—an area expected to see major economic growth. Built from lidar, field observations, and agency datasets, the tool supports better planning and hazard mitigation for landowners, consultants, and local governments.

Real-Time Permit Data Now Publicly Available

Virginia finalized its integration with the Virginia Permit Transparency system, giving the public real-time access to permit data for Gas & Oil, Mineral Mining, and CSMO/ NPDES activities—promoting accountability and improving transparency across sectors.

Internship Program Recognized Among State's Best

Virginia Energy earned the 2025 Top Employers for Interns award for its long-running IT internship program, which provides students with hands-on experience in cybersecurity, development, and digital services.

Reducing Unnecessary Regulatory Burdens

Virginia Energy reduced regulatory burdens by over 26%, meeting the Governor's target and saving Virginians more than \$1.2 billion annually. From permitting and energy programs to mining and geology, we're making it faster, clearer, and more cost-effective to access the services Virginians rely on.



Virginia Energy uses innovative technology like LIDAR to help residents identify areas that could become geologic hazards.



Virginia Energy experts combine technology and education, providing hands-on learning opportunities with our geological mapping databases.



Virginia Energy's Geology and Mineral Resources team led another successful Annual Geology Symposium, showcasing our built-in-house KarstView App and cutting-edge mapping technologies. We're empowering Virginia's geoscience community with innovative tools and expertise that inform critical land-use decisions throughout our communities.

COMING SOON

From data transparency to public engagement, Virginia Energy is launching a new wave of tools, platforms, and campaigns designed to inform, engage, and expand access to energy solutions across the Commonwealth.



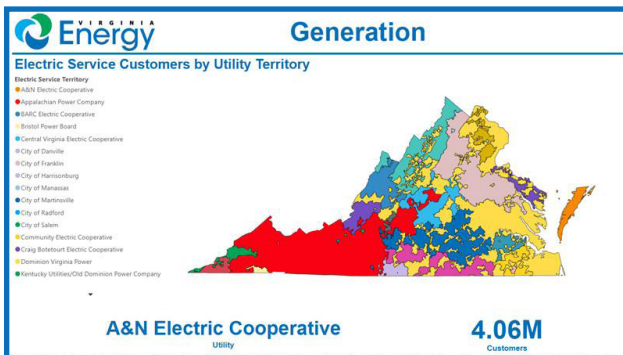
Virginia Energy Connect

A new one-stop shop for residents, businesses, and contractors to explore energy rebates and incentive programs in Virginia.



GRIDMASTERS

A visually engaging campaign styled like a collectible card game, GridMasters uses bold artwork and concise messaging to illustrate the strengths, tradeoffs, and challenges of today's energy grid. It's a fun, shareable way to promote energy literacy and highlight the importance of an all-of-the-above strategy.



Virginia Energy Dashboard

An interactive, public-facing data dashboard that provides the latest data and historical insights into Virginia's energy landscape.



Solar for All

Backed by a \$156 million EPA grant, Virginia's Solar for All program will expand solar access to thousands of low-income households across the Commonwealth.

