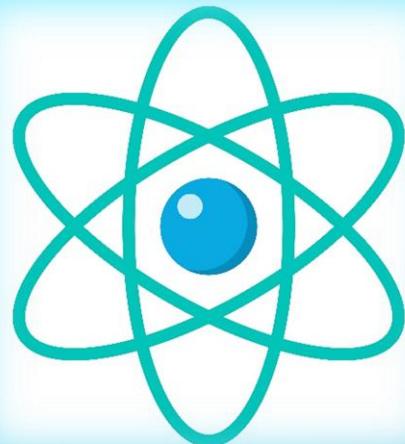


2025



Virginia Nuclear Energy Consortium Authority

2025 ANNUAL REPORT
VIRGINIA DEPARTMENT OF ENERGY
1100 Bank St., 8th Floor
Richmond, VA 23219



This report was developed by the Virginia Nuclear Energy Consortium Authority and does not represent the official position of any government agency or the Governor.

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2025 GOALS AND ACTIVITIES

The Authority identified several specific goals as priorities for their 2025 activities:

- 1) As directed in § 67-1700 of the Virginia Code, the Authority supported the expansion of the objectives, goals, and strategies outlined in 'Virginia is Nuclear' 2020-2024 Strategic Plan through the updated 2025-2029 Strategic Plan that provides a blueprint for the continued advancement of nuclear energy, education, defense, and medicine.
- 2) Continue to stress the importance to the Commonwealth of nuclear energy as a major source of carbon-free generation.
- 3) Continue to expand existing coordination and identify new opportunities for collaboration and support between VNECA and VNEC.
- 4) Support efforts to retain existing nuclear assets and investments in Virginia.
 - a) Support positive regulatory climate to preserve existing assets
 - b) Support public policy initiatives to enable investments needed to preserve existing and expand new nuclear assets, for both electricity and process heat.
- 5) Provide technical expertise and promote greater awareness amongst policymakers of the role nuclear energy can play in the Commonwealth's environmental and energy initiatives.
 - a) Utilize the Authority platform to bring increased information sharing opportunities about the state of the nuclear industry.
- 6) Provide advice and guidance to pursue specific aspects of the Virginia is Nuclear Strategic Plan.

Key Activities Conducted in 2025

Asset Inventory

To better understand and communicate the significant impact of the nuclear industry on Virginia's economy and workforce, the Authority maintains an inventory of nuclear assets in Virginia including private industry, utilities, educational institutions, and federal research laboratories. The Authority reviews the inventory quarterly.

The key findings from the asset survey are highlighted by the following summary. The full database of nuclear energy assets, including company employment and annual revenue figures, can be found in Appendix A.

2025 Authority Meeting Activities

The Authority held three meetings in the past calendar year (March 25, June 16, and October 23). Over the course of the year, the group considered several activities on which to focus their work efforts, including:

- Announced Jeff Whitt as Executive Director of VIN Hub:
As former president of Framatome US Government Solutions, Whitt led national initiatives to advance nuclear technologies in close coordination with federal agencies and reactor developers. His career has included hands-on technical work in design and manufacturing, senior leadership in business development, and international representation of the U.S. nuclear sector. He holds multiple patents in nuclear fuel fabrication and previously launched a program management firm supporting large-scale infrastructure initiatives.
- Completion/submission of the 2025 Virginia Nuclear Energy Consortium Authority Annual Report to the Governor and members of the General Assembly.
- The Authority is working closely with the Administration to champion Virginia as a nuclear innovation leader by encouraging strategies that foster economic opportunities and new technology deployment.
- The continued promotion of nuclear energy as a vital component of carbon-free electricity generation.
- Communicating the importance of having a diverse energy portfolio that is flexible and resilient is key to sustainable energy and a strong economy
- Expanding the coordination and information exchange with other key Virginia stakeholder groups.
- Continued efforts on educating members via technical and informational presentations, or engaging in advocacy work to focus on nuclear as a vital component of Virginia's energy mix; and
- Updates on nuclear energy policy in other States that may serve as an example for or have an impact on nuclear energy activity in Virginia.

- The Authority in coordination with the Consortium has also served as an example for other States looking to build nuclear energy advisory activities, including Kentucky, West Virginia, and Idaho.

Presentations

In March 2025, Kristen Cullen, Vice President of Global Policy and Public Affairs at Commonwealth Fusion Systems provided an overview of the company, fusion technology, and the Virginia ARC project.

Additionally in March, Jeff Whitt, Executive Director, Virginia Innovative Nuclear Hub briefed VNECA members on the VIN Hub Strategic Plan Summary for driving economic growth and solidifying Virginia as a leader in all-things nuclear in the US.

In June, Deputy Director Julianne Szyper briefed VNECA on Virginia Energy's Power Innovation Program (VPIP) \$1.2 million award through to the Virginia Innovative Nuclear Hub to support a micro-scale research reactor at VA-RERF and establish the Virginia Center for Nuclear Materials and Reliability. This award will accelerate advanced nuclear research, workforce training, and public-private collaboration to keep Virginia at the forefront of next-generation nuclear technology.

In October 2025, VNECA reviewed the 2025 Annual Report and the Update to the Strategic Plan.

Strategic Plan

The “Virginia is Nuclear: 2025-2029 Strategic Plan” provides a comprehensive, four-year roadmap for advancing the Commonwealth’s position as a national leader in nuclear technology and carbon-free generation. Drafted by the Virginia Nuclear Energy Consortium (VNEC) on behalf of the Virginia Nuclear Energy Consortium Authority (VNECA) and in conjunction with Virginia Energy, the plan was developed in alignment with state policy objectives, VNECA’s oversight, and official adoption.

The plan focuses on deploying advanced nuclear technologies, expanding research capacity and hands on training via the Virginia Innovative Nuclear Hub, and recommendations to accelerate investment and streamline new nuclear project development.

Virginia’s approach leverages its established nuclear industry, strong university programs, and existing workforce pipelines to meet the state’s clean energy goals, support economic growth across manufacturing and national security sectors. The strategic plan is a roadmap for leveraging nuclear energy’s economic, technical, and environmental strengths enabling Virginia to tackle grid reliability, clean energy goals, and economic expansion while advancing national priorities in defense, research and medical innovation.

The full strategic plan can be found [here](#).

[Virginia is Nuclear STRATEGIC PLAN FOR NUCLEAR ENERGY 2025-2029](#)

AUTHORITY ADMINISTRATION

Virginia Nuclear Energy Consortium Authority Administration

The Virginia Nuclear Energy Consortium Authority Board elected the following slate of officers to lead the Board for 2025:

Chairman – Tom DePonty

Vice Chairman – Gary Tepper

Treasurer – Gene Grecheck (through 6/30/2025)

Secretary – Virginia Energy

The full list of Authority Board Members is included in Appendix C.

Additionally, the Authority maintains a webpage on the Secretary of Commerce and Trade's website that serves as an information resource for nuclear energy in Virginia and the activities of the Authority. Authority Website - <https://commerce.virginia.gov/initiatives/va-nuclear>

APPENDIX A:

VIRGINIA NUCLEAR ENERGY ASSET INVENTORY

Nuclear in Virginia: Educational Institutions

Updated 10/23/2025

Entity	Logo	Nature of Activity	Applicable Program(s)	Leadership	Virginia Presence	Founded	Revenue/ Funding, \$1M	Employees	Website
Christopher Newport University (CNP)		Public Liberal Arts University	Applied Physics (B.S.), Computational and Applied Mathematics (B.S.)	Paul S. Trible Jr, President	Christopher Newport University, 1 Avenue of the Arts, Newport News, VA 23606	1961	166.5 (total revenue FY12)	~400 faculty	www.cnu.edu
George Mason University (GMU)		Public University	Systems Engineering (B.S.), Applied and Engineering Physics (M.S.)	Angel Cabrera, President	4400 University Dr, Fairfax, VA 22030	1957	911 budget (FY14)	1,801 (includes part-time FTE)	www.gmu.edu
George Washington University		Private University	Physics (B.S., M.S., Ph.D.); Aerospace, Electrical, Mechanical, and Systems Engineering (B.S., M.Eng., M.S., Ph.D.)	Ellen M. Granberg, President	45155 Research Place, Ashburn, VA 20147	1821		11,500 faculty and staff	www.gwu.edu
Liberty		Private University	Mechanical Engineering (B.S., M.S., Ph.D.)	Jerry Prevo	1971 University Blvd, Lynchburg, VA, 24515	1971		~2,500 faculty	www.liberty.edu
University of Virginia (UVA)		Public Research University, Health System	Physics (B.S., M.S., Ph.D.); Aerospace, Electrical, Materials Science, Mechanical, and Systems Engineering (B.S., M.Eng., M.S., Ph.D.)	Paul G. Mahoney, Interim President	Thorton Hall, 351 McCormick Rd., Charlottesville, VA 22904-4203	1819	1,910 (academic division, FY19-20)	30,000 (incl. Health Systems)	www.virginia.edu
Virginia Commonwealth University (VCU)		Public Research University, Health System	Nuclear Engineering Concentration (B.S.), Nuclear Engineering (M.S., Ph.D.), Department of Radiation Sciences	Michael Rao, President	821 West Franklin St, Richmond, VA, 23284	1838	967.4 budget (FY13-14)	20,241 (incl. medical center)	www.vcu.edu
Virginia Community College System (VCCS)		Community College Network	Engineering (AS), Engineering Technology (AAS), Nuclear Technology (AAR)	Dr. David Doré, Chancellor	300 Arboretum, Suite 200 Richmond, VA 23236	1966	1,276 (total revenue FY13)	11,000+ total faculty	www.vccs.edu
Virginia Tech (Virginia Polytechnic Institute and State University)		Public University, Research Institution	Nuclear Engineering Program (Ph.D., MS,ME)	Dr. Timothy D. Sands, President	925 Prices Fork Road, Blacksburg, VA, 24061-0002	1872	1,284.3 budget (FY13)	7,263	www.vt.edu

Nuclear in Virginia: Federal Research Laboratories

Updated 11/14/2025

Entity	Logo	Nature of Activity	Leadership	Virginia Presence	Founded	Revenue/ Funding, \$1M	Employees	Website
Thomas Jefferson National Accelerator Facility		Nuclear Physics Research	Jens Dilling, Director	12000 Jefferson Ave, Newport News, VA 23606	1984	\$216M (FY24)	886	www.jlab.org/
US Navy (Norfolk Naval Shipyard)		Manufacturing, R&D, and support for US Navy	Captain Dianna Wolfson, USN	Norfolk Naval Shipyard, Portsmouth, VA, 23709	1767	1,016 (FY11-12)		www.navsea.navy.mil/shipyards/norfolk/

Nuclear in Virginia: Utilities

Updated 11/14/2025

Entity	Logo	Nature of Activity	Leadership	Virginia Presence	Founded	Revenue/ Funding, \$1M	Employees	Website
Dominion Resources		Power Generation, Transmission, Distribution	Robert M. Blue	600 E Canal St, Richmond, VA 23219	1983	13,120 (FY13)	14,500 (total)	www.dom.com
Old Dominion Electric Cooperative		Electricity Provider	Jackson Reasonor, President and CEO	4201 Dominion Blvd, Glen Allen, VA, 23060	1948	842.1 (FY13)	~100	www.odec.com/
AEP/ Appalachian Power		Power Generation, Transmission, Distribution	Aaron D. Walker, President and Chief Operating Officer	1051 E Cary St # 1100, Richmond, VA 23219	1911		3,200 Employees	https://www.appalachianpower.com/

Nuclear in Virginia: Private Industry

Updated 6/12/2025

Entity	Logo	Nature of Activity	Leadership	Virginia Presence	Founded	Revenue/ Funding, \$1M	Employees	Website
Abbitz Measurement, Inc.		Pressure Systems Instrumentation	Tammy Nicoll, President	1619D Diamond Springs Rd, Virginia Beach, VA, 23455	2009		~10-20	www.abbitz.com
ABZ, Inc.		Fluid Flow Consulting	Ed Abbott, President	4451 Brookfield Corporate Drive, Suite 101, Chantilly, VA, 20151	1986		~10	www.abzinc.com
Action Technology, Inc.		Staffing, Consulting, Training	Bonnie Lonon, President and CEO	3121 E. Boundary Ct., Midlothian, VA, 23112	1982	24	~250	www.action-tech.com
Advex Corporation		Machining and Fabrication	George Hill Jr, President	121 Floyd Thompson Drive, Hampton, VA, 23666	1969		180	
Aerofin		Heat transfer applications supplier	David Corell, President	4621 Murry Place, P.O. Box 10819, Lynchburg, VA, 24502	1923			www.aerofin.com
Affordable Fastener Supply Company		Hardware Supply	Carl Grunthaner, President and CEO	312-G Old York Hampton Highway, Yorktown, Virginia, 23692	2005			www.affordablefast.com
Air Systems, Inc.		Filtration, Air Systems	David Angelico, President	821 Juniper Crescent, Chesapeake, VA, 23320			42	www.airsystems.cc
AMEC		Engineering, Project Management, Consulting	Samir Brikho, CEO	14424 Albemarle Point Place, Suite 115, Chantilly, VA, 20151; 1070 West Main St, Suite 5, Abingdon, VA, 24210; 2028 Dabney Rd, Suite E-18, Richmond, VA, 23230; One Colubums Center, Suite 600, Virginia Beach, VA, 23642	1982	6,735 (FY13)	~27,000	www.amec.com
American Operations Corp.		Analysis, Consultancy, Specialist Services	L. Frank 'Smokey' Field, Chairman and CEO	14030 Thunderbolt Place, Suite 700, Chantilly, VA, 20151	1983		~200	www.aocwins.com
Applied Technical Services		Nondestructive Testing	Jim Hills, President	2312 Commerce Center Drive, Suite A, Rockville, VA 23146; 5566 General Washington Drive, Alexandria, VA, 22312; 1325-B Cavalier Blvd, Chesapeake, VA	1967		~600	www.atslab.com

Nuclear in Virginia: Private Industry

Updated 6/12/2025

Entity	Logo	Nature of Activity	Leadership	Virginia Presence	Founded	Revenue/ Funding, \$1M	Employees	Website
Ares Security Corporation		Security Consulting and Applications	Ben Eazzetta, President	8045 Leesburg Pike, Suite 400, Tysons Corner VA 22182	2012		850+ (incl. ARES Holding)	www.aressecuritycorp.com
Axiom Quality Assurance		Consulting and Analysis		P.O. Box 328, McLean, VA, 22101				www.axiomqa.com
Bauer Compressors, Inc.		Compressors and High Pressure Systems	Tony Bayat, President	1328 Azalea Garden Rd, Norfolk, VA 23502	1946			www.bauercomp.com
Bechtel		Engineering, Construction	Brendan Bechtel, Chairman & CEO	12011 Sunset Hills Rd, Reston, VA, 20190	1898	37,900 (FY12)	53,000+ (total)	www.bechtel.com/
Beta Analytics International, Inc.		Access Control, Security, Fire Protection	Darden Hood, President	2677 Prosperity Avenue, Suite 400, Fairfax, VA, 22031	1979		~300	www.radiocarbon.com
Boh Environmental, LLC		Container Systems	Eric Hediger, President	14520 Avion Pkwy, Chantilly, VA 20151	1998		~15	www.bohfupsystems.com
BWX Technologies, Inc.		Nuclear design, engineering, manufacturing and services	Rex D. Geveden, President and CEO	800 Main Street, Lynchburg 2016 Mt. Athos, Lynchburg 1570 Mt. Athos, Lynchburg 1720 Mt. Athos Road, Lynchburg 8300 Greensboro Drive, McLean 107 Vista Centre Drive, Forest	Company history dates back to 1856	\$2.7B (CY2024)	10,000	www.bwxt.com
Caliper Inc.		Staffing and Recruitment	Robert Y. Green, Jr, President and CEO	512 Central Drive, Virginia Beach, VA, 23454; 4907 Fitzhugh Ave, Suite 201, Richmond, VA, 23230; 11325 Random Hills Rd, Suite 360, Fairfax, VA, 22030	1984			www.caliper.net
CBG, LLC		Metal Disintegration & Stud Removal	Ken Guthrie, Owner	4013 Seaboard Court, Suite A-3, Portsmouth, VA, 23701	2002			www.cbgmaintenance.com

Nuclear in Virginia: Private Industry

Updated 6/12/2025

Entity	Logo	Nature of Activity	Leadership	Virginia Presence	Founded	Revenue/ Funding, \$1M	Employees	Website
Chemetrics, Inc.		Water Testing	Bruce H. Rampy, President	4295 Catlett Rd, Midland, VA, 22728	1969		55+	www.chemetrics.com
CMC Technical		Staffing and Recruitment		502 Viking Drive, #102, Virginia Beach, VA, 23452	1978			www.cmc-jobs.com
Coastal Network of Virginia, LLC		Radiation Safety		600 Plantation Ct, Charlottesville, VA, 22903	1987		5	www.nuclearsupply.com
Communications-Applied Technology		Communication Systems Design and Manufacturing	Seth Leyman, President and Founder	11250-14 Roger Bacon Drive, Reston, VA, 20190	1982		~15	www.c-at.com
CraneTech Solutions CTS		Cranes & Lifting Equipment	Frank Hegan, President	2030 Ponderosa St, Portsmouth, VA, 23701	1958			www.ct-sol.com
Dominion Engineering, Inc.		Technical Consulting Services	Robert D. Varrin, JR, Ph.D, Principle Officer	12100 Sunrise Valley Drive, Suite 220, Reston, VA, 20191	1980		<50	www.domeng.com
Donley Technology		Environmental Health and Safety Information	Elizabeth M. Donley, Founder and Executive Director	P.O. Box 152, Colonial Beach, VA, 22443	1988			www.donleytech.com
DynCorp International		Security Training and Consulting	Steven F. Gaffney, Chairman and CEO	1700 Old Meadow Road, McLean, VA 22102	1946	~3,000 (FY10)	16,800 (2009)	www.intellpros.com
Eddy Current Technology, Inc.	Eddy Current Technology Incorporated	Eddy Current Testing		201A Horace Ave, Virginia Beach, VA, 23462				www.eddy-current.com
Electric Motor and Contracting Company, Inc.		Motor repair, decontamination, refurbishment	James L. King, President CEO	3703 Cook Blvd, Chesapeake, VA, 23323	1960	~30	~200	www.emc-co.com

Nuclear in Virginia: Private Industry

Updated 6/12/2025

Entity	Logo	Nature of Activity	Leadership	Virginia Presence	Founded	Revenue/ Funding, \$1M	Employees	Website
F.N. Anderson & Associates		Engineering Analysis and Services	Floyd N. Anderson, President	87 Braxton Lane, Forest, VA, 24551	1993		~4	www.fnaai.com
Finite Matters, Ltd.		Management Solutions, Consulting, Software	Anthony Luca, Owner	3064 River Road West, Suite B, Goochland, VA, 23063	1991		<10	www.fml.com
Flowserve		Pumps, Valves, Tubing	Mark A. Blinn, President and CEO	5114 Woodall Rd, Lynchburg, VA 24502	1997	4,954 (FY13)	15,000+	www.flowserve.com
Framatome Inc.		Engineering, Design, Manufacturing, Nuclear Services and Support	Anthony Robinson, President and CEO	Corporate Headquarters 3315 Old Forest Road Lynchburg, VA 24501 Solutions Complex 1724 Mt. Athos Road	1958	~\$1 billion	2,300	www.Framatome.com
Fuji Electric America		Power Electronics Technology	Michihiro Kitazawa, President and Chairman (Fuji Global)	5115 Bernard Drive, Suite 102, Roanoke, VA, 24018 (Drives and Inverters Dept.)	1923	7,315 (consolidated sales FY12)	~25,000	www.fujielectric.com
Honeywell (Uvex Safety Frames)		Safety Products, Eye + Face Protection	David M. Cote, Chairman and CEO	690 HP Way, Chester, VA, 23836	1906	37,665 (FY12)	~132,000 (worldwide)	www.honeywellsafety.com
Huntington Ingalls		Shipbuilding, Nuclear Operations, Engineering Services	Mike Petters, President and CEO	4101 Washington Ave., Newport News, VA, 23607	2008	6,800 (FY13)	39,000+ (total)	www.huntingtoningalls.com
ICF International, Inc.		IT Services, Research, and Consulting	Sudhakar Kesavan, Chairman and CEO	9300 Lee Hwy, Fairfax, VA, 22031	1969	949 (FY13)	4,500+	www.ifci.com
Innerspec Technologies		Engineering Consultant	Borja Lopez, CEO	2940 Perrowville Rd, Forest, VA 24551	1989		58	https://www.innerspec.com
Interdevelopment, Inc.		Management Consulting and Business Research	Margareta Luddemann, President and CEO	P.O. Box 15249, Arlington, VA, 22215	1967	<1	~10	www.interdevelopment.com

Nuclear in Virginia: Private Industry

Updated 6/12/2025

Entity	Logo	Nature of Activity	Leadership	Virginia Presence	Founded	Revenue/ Funding, \$1M	Employees	Website
Invensys Eurotherm		I&C sales, support, repair	Mike Caliel, President and CEO (Invensys)	44621 Guilford Drive, Ashburn, Virginia, 20147	1952			www.eurotherm.com
ITC Learning		Industrial Skills Training	Gloria MacCorkindale, Vice President	13515 Dulles Technology Drive, Herndon, VA, 22171		~3	~40	www.itlearning.com
JGW Group		Business Development, Training, Consulting	Andrew Wilson, President	1801 Robert Fulton Drive, Suite 400, Reston, VA, 20191	1980		10 (+int'l associates)	www.jgwgroupp.com
KSB, Inc.		Pumps, valves, and systems supplier	Ed Harvie, President (KSB USA)	4415 Sarellen Rd, Henrico, VA, 23231		~3,125	16,500+ (global)	www.ksb.com
Lightbridge		Fuel Cycle Consulting and Design	Seth Grae, President and CEO	1600 Tysons Blvd, Suite 550, Tysons Corner, VA, 22102	1992			www.ltbridge.com
Limitorque Corp. (subsidiary of Flowserve)		Actuators	Mark A. Blinn, President and CEO (Flowserve)	5114 Woodall Rd, Lynchburg, VA 24502	1929 (Limitorque)	4,954 (FY13) (Flowserve)	15,000+ (Flowserve)	www.flowserve.com/Limitorque
Mega-Tech Services, LLC		Tooling, Engineering Consulting	Deanna R. Bowen, President	11118 Manor View Drive, Mechanicsville, VA, 23116				www.mecha-techsolutions.biz
MELD Manufacturing		Manufacturing and Design		200 Technology Drive, Christiansburg, VA 24073	2018			http://meldmanufacturing.com/
Mitsubishi Nuclear Energy Systems		Vendor, Nuclear Services	Makoto Toyama, President and CEO	1001 19th St N #2000, Arlington, VA	2006		200+ (site-specific)	www.mnes-us.com/
MPR Associates, Inc.		Engineering and Management Services	Bob Coward, Principle Officer	320 King St, Alexandria, VA, 22314	1964		~200	www.mpr.com

Nuclear in Virginia: Private Industry

Updated 6/12/2025

Entity	Logo	Nature of Activity	Leadership	Virginia Presence	Founded	Revenue/ Funding, \$1M	Employees	Website
Novatech USA		Engineering and Manufacturing Services	Mr. Richard Fl. Rochow, President	220 Jefferson Ridge Parkway Lynchburg, VA 24501	1994		35	http://novatechusa.com/industries/nuclear/
Nuclear Energy Support International, LLC		Staffing and Recruitment	Mary Ann Snyder, Owner	Lynchburg, VA 24501	1983			www.nesilc.com
OFI Custom Metal Fabrication		Safety Related Fabrication	Jim Clifford, President	10412 Design Road, Ashland, VA, 23005	1982			www.osfi.com
Proxtronics, Dosimetry LLC		Dosimetry Services	W. Guy Davis, President and CEO	85 S. Bragg St, Suite 400, Alexandria, VA, 22312	1990			www.proxtronicsdosimetry.com
Radiological Training Services, LLC		Radiological Training	John Duley, Producer	6538 Koziara Drive Burke, VA, 22015	1999		<5	www.radiationvideos.com/about.html
Radium, Inc.		Steam Generator Services, Products	Cam Abernethy, President and Owner	463 Dinwiddie Ave, Waynesboro, VA, 22980	2004		~10	www.radiuminc.com
River Technologies, LLC		Radiological Decontamination	Robert Kozma, COO	2107 Graves Mill Rd, Suite A, Forest, VA, 24551	2003		~10	www.rivertechnologies.biz
Robatel Technologies, LLC		Engineering Services	Teo Grochowski, CEO	5115 Bernard Drive, Suite 304, Roanoke, VA, 24018	2009 (US subsidiary)		115 (Robatel Industries)	www.robateltech.com
SC&A, Inc.		Environmental and Energy Consulting	Gregory P. Beronja, President and CEO	1608 Spring Hill Road, Vienna, VA, 22182	1981			www.scainc.com
Seaward Marine Services		Cleaning and Inspection	Edward A. Wardwell, Founder	5409 Beamon Road Norfolk, VA 23513 United States	1972			www.seaward-marine.com

Nuclear in Virginia: Private Industry

Updated 6/12/2025

Entity	Logo	Nature of Activity	Leadership	Virginia Presence	Founded	Revenue/ Funding, \$1M	Employees	Website
TalentHunter		Recruitment and Staffing	Al Visco, Vice President	PO Box 275, Ashburn, VA, 20146	1982			www.talenthunter.com
TeamBest		Radiation Protection, Cancer Treatment	Krishnan Suthanthiran, President and Founder	7643 Fullerton Rd, Springfield, VA 22153	1977			www.teambest.com
Thermal Spray Solutions, Inc.		Thermal Spray Coatings		1105 International Plaza, Suite B Chesapeake, VA 23323				http://www.thermalsprayusa.com/
Urenco		Urenco USA (UUSA), operated by Louisiana Energy Services LLC, is the only operating commercial uranium enrichment facility on U.S. soil and is located in Eunice, New Mexico.	John Kirkpatrick Managing Director and Head of Enrichment of Urenco USA (UUSA)	1560 Wilson Blvd STE 300, Arlington, VA 22209	UUSA National Enrichment Facility, 1992			https://urencousa.com/
Weidmuller Inc.		IT Products and Services	Brian Schofner, President	821 Southlake Blvd., Richmond, VA, 23235	1850	~40	~100	www.weidmuller.com

Nuclear in Virginia: Other

Updated 2/28/2025

Entity	Logo	Nature of Activity	Leadership	Virginia Presence	Founded	Revenue/ Funding, \$1M	Employees	Website
ANS		Not-for-profit, International, Scientific and Educational Organization	Kenneth Peterson, President	5200 Thatcher Rd, Suite 142, Downers Grove, IL, 60515 Virginia Local Section and VCU Student Section	1954		11,000 members	www.ans.org
Virginia Department of Energy		Governmental research and regulatory body	Glenn Davis, Director	Washington Building, 8th Floor, 1100 Bank St, Richmond, VA, 23219	1985	15.6 State General Fund, 17.3 Federal Funds, 2.6 Fees	182	http://www.energy.virginia.gov/
Virginia Economic Development Partnership		State Authority for business advocacy, development, and support	Dan M. Pleasant, Chairman of the Board	901 East Cary Street Richmond, VA 23219	1995	17.8 (State General fund, FY2014)	~100	https://www.vedp.org/
Virginia Nuclear Energy Consortium		VNEC advocates for the nuclear industry and our member companies.	April Wade, Executive Director	State Wide	2013		1	https://virginiuclear.org
Dominion Energy Innovation Hub		The Dominion Energy Innovation Center supports high-tech entrepreneurs and small business owners who are driving the innovations needed to achieve a net-zero carbon economy.	Adam Sledd, Executive Director	State Wide	2009			https://dominnovation.com/
DELTA Lab		Energy DELTA (Discovery, Education, Learning & Technology Accelerator) Lab, or Energy DELTA Lab, is a 501(c)(3) nonprofit organization managing access to more than 65,000 acres of energy ready sites on previously mined properties throughout Virginia's coalfield region.	Mike Quillen – Chairman of Energy DELTA Lab	State Wide				https://www.energydeltalab.org/
Virginia Energy Workforce Consortium		Virginia Energy Workforce Consortium (VEWC) members, partners, and alliances work together to build and strengthen collaborative efforts to significantly impact career awareness, education pathways, and approach tomorrow's workforce needs.		State Wide				https://virginia.getintoenergy.com

APPENDIX B:

VIRGINIA NUCLEAR ENERGY CONSORTIUM UPDATE

The Virginia Nuclear Energy Consortium (the Consortium) was formally launched in 2015 and now has been in operation for over eight years in accordance with § 45.2-2105 of the laws of the Commonwealth. The full 2024 Consortium activity report and membership roster are included as Appendix B.



VIRGINIA NUCLEAR ENERGY CONSORTIUM 2025 Report

Overview

The Virginia Nuclear Energy Consortium (VNEC) has continued to strengthen Virginia's leadership role in nuclear energy. Now in its tenth year of operation under Section 67-1404 of the Code of Virginia, VNEC has built on its strategic mission to advocate for the industry, expand partnerships, and support workforce and research development across the Commonwealth.

This year saw measurable progress in member engagement, program implementation, and collaboration with the Governor's Office, the General Assembly, state organizations, and other stakeholders. The Virginia Innovative Nuclear Hub (VIN Hub) is now fully operational, with a Board of Directors, an Executive Director in place, and initial projects already underway.

Strategic Direction and Accomplishments

VNEC remains guided by the principles of the updated Virginia Nuclear Strategic Plan (2025–2029):

- Ensuring nuclear energy's continued contribution to Virginia's carbon-free future
- Prioritizing innovation and advanced reactor technologies
- Developing infrastructure and research capabilities
- Expanding educational and workforce pipelines

VNEC worked closely with the Commonwealth's state government agencies to align the Consortium's strategic goals with the Governor's Energy Plan, which emphasized SMR deployment, nuclear research, and industrial development. VNEC contributed recommendations that were integrated into state energy planning and economic policy frameworks.

Membership and Leadership

- Aecon
- Appalachian Power
- Dominion Energy Services
- Framatome Inc.
- GE Hitachi Nuclear Energy
- Holtec International
- Kairos Power
- Liberty University
- Lightbridge Corporation
- HII
- NuScale Power
- University of Virginia
- Virginia Commonwealth University
- Virginia Tech
- X-Energy Reactor Company, LLC.



2025 Officers:

- Chairman - John Harrell, Dominion Energy Services
- Vice-Chair - Alireza Haghigat, Virginia Tech
- Treasurer – Alan Thomas, Framatome

Program Activities and Engagements

VNEC supported a wide range of outreach, education, and advocacy activities in 2025, both independently and through partnerships with VIN Hub, industry associations, and academic partners. Our work includes:

- **Industry promotion** - raising awareness of Virginia's nuclear assets, and education/public awareness efforts regarding nuclear's role as a carbon-free energy source capable of meeting our clean energy needs
- **Workforce development**
- **Promoting industry research and development** – supporting and identifying new opportunities for public-private partnerships and working with the Virginia Innovative Nuclear Hub (VIN Hub)
- **Legislative and regulatory advocacy**

Promotion of Virginia's nuclear assets and capabilities

- Drafted, edited, and submitted the Virginia Nuclear Strategic Plan for 2025 -2029.
- Provided education and information regarding the nuclear industry's position as a carbon-free energy source and contribution to clean air, new technology and innovation opportunities, and general topics related to nuclear in Virginia.
- Briefed policymakers and a variety of state agencies on industry issues.
- Supported the Governor's 2022 Virginia Energy Plan.
- Made introductions between advanced reactor companies and state agencies.
- Provided briefing materials and presented subject matter experts to government officials.
- Hosted a Nuclear 101 in-person event with the Nuclear Innovation Alliance (NIA) and Clean Air Task Force (CATF) for elected officials, policymakers, educators, and economic development stakeholders in Hampton Roads, Lynchburg, and Wise.
- Hosted a Nuclear 101 four-part webinar series with the Nuclear Innovation Alliance (NIA) and Clean Air Task Force (CATF) for elected officials, policymakers, educators, and economic development stakeholders.
- Participated in a mini Nuclear 101 event with the NIA at George Mason University during E2 Center ribbon cutting.
- Planning Nuclear 101 events around the Commonwealth in 2026.
- Participated in the following events:



- **February**
 - Conservative Energy Caucus – VA Legislature
 - CONTE Workforce Panel
- **March**
 - Virginia Community College System – Academic and Workforce VPs
- **April**
 - Atoms for Appalachia – Lynchburg
 - Virginia Solar Summit
- **May**
 - Clean Energy States Alliance – Advanced Nuclear Panel
 - SE Nuclear Advisory Council
 - Northern Virginia Regional Commission - Community Military Federal Facilities Partnership (CMFFP)
 - VA Chamber of Commerce 2035 Blueprint Virginia meeting in Lynchburg
- **July**
 - West Virginia – NGA Center for Best Practices
 - NIA Webinar – New Nuclear Energy Guide for State Policymakers
 - SE Nuclear Advisory Council
 - Framatome Ribbon Cutting event at their Mill Ridge Road facility
 - Virginia's Open for Business: A Governor's Cabinet VIP Reception
- **August**
 - Energy Communities Alliance Round Table – DOE siting program
 - Lynchburg Regional Business Alliance Membership Roundtable with Virginia Chamber CEO
- **September**
 - ARPE Round Table – State nuclear activities
 - Hampton Roads Military & Federal Facilities Alliance
 - Nuclear Company Event – VA Tech
 - Nuclear Company Event – VCU
 - VA Clean Energy Summit
 - E2 Center Ribbon Cutting – GMU
- **October**
 - VA Clean Energy Summit
 - Rotary Club of Richmond
 - Atlantic Council event
 - Commission on Electric Utility Regulation (CEUR) Subcommittee presentation
 - SE Nuclear Advisory Council
- **November**
 - Convergence 2025
 - ROK-U.S. Nuclear Suppliers' Forum



- 7x24 Exchange DC Chapter event
- **December**
 - NAYGN Atlantic Regional Conference
 - USNIC - New Nuclear Capital Summit

Workforce Development

In 2025, the **VNEC** continued to lead efforts to strengthen and expand the Commonwealth's nuclear workforce through broad-based collaboration, strategic planning, and targeted program support.

Strategic Partnerships and Collaboration

- Actively participated in the Virginia Energy Workforce Consortium (VEWC) to align state and regional workforce development initiatives.
- Facilitated collaboration through the VNEC Workforce Working Group (Partnered with more than 50 organizations), bringing together stakeholders from education, industry, and government to identify workforce needs and emerging opportunities within the nuclear sector.
- Collaborated closely with the Virginia Innovative Nuclear Hub (VIN Hub) on workforce planning and talent pipeline initiatives.

Planning and Program Development

- Supported the drafting of a **Virginia Nuclear Workforce Plan**, designed to address current skill gaps and forecast future labor demands across the nuclear energy ecosystem.
- Worked with **industry leaders and community colleges** to align curricula with evolving industry needs and promote technical training programs.
- Engaged with the **Virginia Department of Education's Work-Based Learning Specialist Team** to expand experiential learning opportunities and career pathways for students.

Higher Education and Training Support

- Provided ongoing support for university nuclear engineering and science programs, promoting education and research that strengthen Virginia's nuclear talent base.
- Issued **letters of support** for university and community college workforce grant proposals, emphasizing alignment with VNEC's mission to build a sustainable pipeline of skilled professionals.

National Engagement and Funding Opportunities

- Participated in the **Nuclear Energy Institute (NEI) Workforce Working Group** and the **Partnership for New Energy (PNE) Advisory Committee**, ensuring Virginia's workforce priorities are represented at the national level.



- Joined a **multi-organization consortium** to develop a **Department of Energy (DOE) workforce grant proposal**, pursuing funding to expand nuclear workforce training and infrastructure across the Commonwealth.

Through these coordinated efforts, VNEC continues to advance a comprehensive and inclusive approach to workforce development—supporting innovation, fostering collaboration, and preparing the next generation of professionals to power Virginia’s nuclear future.

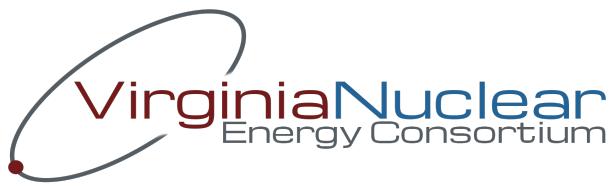
Research and Development

- Collaborated with the **Virginia Nuclear Innovative Hub (VIN Hub)** to advance nuclear technology and innovation initiatives.
- Served as a **member of the VIN Hub Board**, contributing to strategic direction and governance.
- Promoted **advanced technologies and research** within Virginia’s nuclear sector.
- Worked with **Virginia state officials and the business community** to develop awareness and recognition of the research assets and capabilities of Virginia nuclear engineering programs.
- Coordinated activities across **Virginia’s research institutions** and **nuclear business communities** to strengthen collaboration and innovation.
- Worked to **identify public–private investment opportunities** that fostered technological development and economic growth.
- Supported **member companies** in creating new business opportunities and advocating for key nuclear issues.
- Supported the **development of new technology & innovation opportunities**, including advanced manufacturing.
- Encouraged and supported **nuclear research opportunities** at **Virginia universities**, helping to connect academia, industry, and government.

Legislative and Regulatory Advocacy

VNEC actively engaged policymakers at both the state and federal levels, advocating for programs and legislation that advance nuclear energy development. Notable activities included coordination with VCU ANS students for General Assembly outreach, support for federal legislation promoting advanced technologies, and targeted briefings with state and federal officials.

The Consortium also provided written and verbal input to committees and agencies on federal R&D priorities and manufacturing investments for Virginia. Engagements emphasized the role of nuclear energy in meeting Virginia’s carbon-free objectives and enhancing energy security.



Summary and Outlook

VNEC's 2025 activities reinforced its leadership role in Virginia's clean energy transition and strengthened alignment with state policy priorities. The Consortium's work through VIN Hub, workforce initiatives, and industry advocacy continues to generate measurable outcomes and broader recognition of nuclear energy's importance.

In 2025, VNEC will continue focusing on small modular reactor (SMR) and advanced reactor development, education and workforce pipeline expansion, research collaboration, and policy advocacy to secure Virginia's position as a global leader in advanced nuclear technologies.

APPENDIX C:

VIRGINIA INNOVATIVE NUCLEAR HUB (VIN HUB)

The Virginia Innovative Nuclear Hub (VIN Hub) is a 501(c)(3) nonprofit organization dedicated to advancing Virginia's nuclear energy technologies through coordinated efforts between industry and academia.



Virginia's Innovative Nuclear Hub (VIN Hub)

2025 Report

Overview

The **Virginia Innovative Nuclear Hub (VIN Hub)** is a 501(c)(3) nonprofit organization dedicated to advancing Virginia's nuclear energy technologies through coordinated efforts between industry and academia. Its mission is to bring together Virginia's nuclear resources into highly collaborative teams, spanning multiple scientific, engineering, economic, and public policy disciplines, to serve as a world-leading nuclear research, engineering, and technology center, all within Virginia's footprint.



The **Three Main Pillars** of the Hub's activities are to:

#1 Lead Research & Development projects that build upon the Commonwealth's expertise and are **forward looking** to address the needs associated with **licensing, deployment** and **operations** of new nuclear assets

#2 Provide inputs and support for the continued **development of the workforce**. The Hub is a pathway to **promote innovation & collaboration for students, researchers, and industry**, creating a broad and deep VA workforce of the future

#3 Provide Public Engagement, across the spectrum of **industry, academia, the trades, and localities** that want to either deploy or support the deployment of this important energy resource

Hub Leadership Update

In February 2025, the Virginia Innovative Nuclear Hub (VIN Hub) announced Jeff Whitt as the new Executive Director. As former president of Framatome US Government Solutions, Whitt led national initiatives to advance nuclear technologies in close coordination with federal agencies and reactor developers. His career has included hands-on technical work in design and manufacturing, senior leadership in business development, and international representation of the U.S. nuclear sector. He holds multiple patents in nuclear fuel fabrication and previously launched a program management firm supporting large-scale infrastructure initiatives.

Board Development

Over the course of the year, the **VIN Hub Board** was expanded to have broader representation consistent with the mission and strategic objectives of the organization. The current board members are:

- Chairman, **John Harrell**, Dominion Energy Services
- Treasurer, **April Wade**, Virginia Nuclear Energy Consortium
- Secretary, **Sean Agnew**, University of Virginia
- **Glenn Davis**, Virginia Department of Energy (VA Commerce representative)
- **David Long**, HII – Mission Technologies
- **Sandra Sloan**, BWX Technologies, Inc.
- **Megan Healy**, Virginia Economic Development Partnership

Additionally, plans are to add a member of the **Virginia Community College System**.

Projects

Grants for two (2) **anchor projects** were secured, and these initial projects were initiated with the goal to demonstrate highly collaborative public-private efforts that will provide long-term benefit to the Commonwealth. Those projects are:

#1 VA Center for Nuclear Materials and Reliability

The Challenge: Advanced reactors will operate at higher temperatures and use innovative coolants and fuels—promising greater efficiency and new applications in power, hydrogen, and industrial heat. However, these conditions create unique materials-performance challenges that must be fully understood to ensure safety, durability, and cost-effective operation.

The Solution: VA-CNMR: The Virginia Center for Nuclear Materials Reliability (VA-CNMR) will create a seamless ecosystem that connects education, workforce development, and industry collaboration. By integrating these elements, it can open pathways to new research areas, drive innovation and technology transfer, and ultimately consolidate Virginia's position as a national leader in nuclear science and engineering.

Project Status: Project Team is on schedule and is identifying the engineering needs, gaps and opportunities that can be addressed by our VA universities and is developing the organizational framework for the Center.

#2 VA Research & Education Reactor Facility

The Challenge: Virginia does not have a research reactor facility that would serve the needs of the Virginia Universities and industry. With increasing demand for new nuclear and the use of advanced materials and technologies, research, education and testing needs that can be served with a test reactor facility will continue.

The Solution: VA-RERF: Organizing our VA stakeholders around an accessible research reactor facility will serve to deepen the expertise and capabilities of the VA universities and help position Virginia as a leader in an innovative research model for the future. This will further serve as an academic talent attractor for education of students in the Commonwealth as well as researchers who would benefit from the research reactor's flexible test capabilities.

Project Status: Project Team is on schedule and has completed visits of several other research reactor facilities as part of the team's benchmarking efforts and is developing the strategic plan and business model for a RERF.

Initiatives

#1 Workforce Development

Predictability for the workforce needs to support the growth of nuclear in the Commonwealth was identified as a need that the Hub could help address. The [Workforce Predictive Needs Analysis](#) was launched with the objective of creating a model that is based on clearly defined deployment assumptions and related job needs along with the economic impact of those jobs. The Phase 1 analysis was completed, and the team is now working on the Phase 2 expanded analysis.

Workforce Predictive Needs Analysis

Phase 1 Initial Analysis



A review of **existing workforce studies** pertaining to the nuclear industry.



Compares **a projected baseline demand for nuclear industry workers** in Virginia to the existing pipeline of completers in associated academic programs.



Relies on **available existing crosswalks** between occupations as defined by the U.S. Bureau of Labor Statistics' Standard Occupation Codes (SOC) and the U.S. Department of Education's Classification of Instructional Programs (CIP) codes.

Phase 2 Expanded Analysis



A review of the **latest trends** in the nuclear industry nationwide, including, where available, projections of workforce demand.



Interviews with industry leaders to obtain more specific information on likely trends within the nuclear industry, inclusive of potential workforce demand for both LWR and Gen IV deployments and applicability to Virginia.

#2 Public Outreach

Several activities were associated with outreach.

Community support: the Hub met with the leadership teams at Wise County, UVA Wise, LENOWISCO to provide guidance and support for a need for additional analysis and the development of an implementation roadmap for the potential role of nuclear energy in the region.

Multiple engagements, meetings and conferences have been supported by the Hub, including:

Universities/Colleges: William & Mary, Virginia Tech, University of Virginia, UVA at Wise, Virginia Commonwealth University, Sweetbriar College, George Mason University, Liberty University, University of Illinois, Penn State, North Carolina State, University of Missouri, Central Virginia Community College, Old Dominion University, plus several others during scheduled workforce meetings

Organizations and Events: American Nuclear Society, Virginia chapter of the American Nuclear Society (VA-ANS), Nuclear Energy Institute, World Nuclear Exhibition, US Department of Energy NE, US Department of Energy NNSA, Virginia Economic Development Partnership, US Nuclear Infrastructure Council, Idaho National Labs, NECX 2025 Nuclear Energy Conference & Expo, VNEC Nuclear 101 events, Regional / Appalachia events, Workforce development meetings lead by VNEC.

Companies: Many of the Virginia's suppliers as well as several nuclear developers looking to deploy or invest in Virginia.

Summary

With the VIN Hub now progressing well in a start-up mode, the foundational projects are being established and projections for additional work of the Hub is in development. As we look to the budget development and long-term sustainability of the Hub, consideration needs to be given to the continued growth of the work of the Hub, providing funding for organizational oversight, stakeholder engagement and public outreach and the management of key project efforts for sustained contribution of the Hub in support of the Virginia Strategic Plan.

This will require a balance in budget development to sustain VIN Hub operations, alongside an ever-growing portfolio of projects beneficial to the Commonwealth.

APPENDIX D:

VIRGINIA NUCLEAR ENERGY CONSORTIUM AUTHORITY BOARD MEMBERS

Role	First Name	Last Name	Organization
Chairman	Tom	Depony	Framatome Inc.
Vice Chairman	Gary	Tepper	Virginia Commonwealth University (VCU)
Member	Jeffrey	Fox	University of Virginia (UVA)
Member	Ken	Ball	George Washington University (GWU)
Member	John	Capps	Central Virginia Community College
Member	Calvin	Lowe	Hampton University
Member	Scott	Kopple	BWX Technologies
Member	Eric	Carr	Dominion Energy
Member	Glenn	Davis	Virginia Department of Energy
Member	Rhonnie	Smith	Retired, BWX Technologies
Member	Rich	Diddams	Center of Energy Research and Education (CERE)
Member	Eugene	Grecheck	American Nuclear Society (through 6/30/2025)
Member	Mary	Neumayr	Urenco USA
Member	Andrew	Hutton	Jefferson Lab (through 6/30/2025)
Member	Brian	Vella	Haynes Boone
Member	Randy	Hefflin	Virginia Tech (VT)
Member	Tim	Stuller	Virginia Economic Development Partnership
Member	Craig	Piercy	American Nuclear Society (eff. 7/1/2025)