

Regulation, Innovation, and Collaboration for a Safer Tomorrow

Shaping the Future of Fusion Energy in Virginia

Presented by Lea Perlas | March 12, 2026

How Virginia Embraces Regulation and Collaboration for a Successful Outcome

- Virginia's Division of Radioactive Materials
- Virginia's Fusion Program Director and Future Team
- Virginia's Multi-Agency Fusion Work Group

Meet The Fusion Stakeholders in Virginia

- Department of Health
- Energy
- Department of Environmental Quality
- Department of Emergency Management
- Department of Labor and Industry
- Virginia Commonwealth University

Future Work for Public Health

- Development of an Environmental Monitoring Plan
- Development of a Radiological Emergency Plan

Virginia and Commonwealth Fusion System Engagement

- Engagement Platforms
- Expectations
- Results

Timeline and Delivery of Energy

- In December 2024, CFS announced plans to build a fusion power plant in Chesterfield County, Virginia.
- Groundbreaking will begin between late 2026 and early 2027.
- Up and running by early 2030s.

Progress Toward Goals

CFS Conditional Use Permit Process

Approved by Chesterfield's Planning Commission and Board of Supervisors

Purchase of Energy

Google and Eni have committed to purchase fusion energy

Relocation of CFS Team Member

CFS team members are being relocated to support Virginia operations

Virginia's Model

- Nuclear Regulatory Commission
- Organization of Agreement States
- Commonwealth Fusion Systems
- Fusion Industry Association