

ESEM SWVA

WHAT IS ESEM?



The Energy Storage and Electrification Manufacturing (ESEM) Project supports local manufacturers in Southwest Virginia to diversify into new markets while strengthening current market opportunities, modernizing their operations, and reducing energy costs. Through tailored technical assistance, facility and equipment upgrades, and workforce development, ESEM drives energy efficiency, job creation, and regional growth.

Projected Economic Impact (3-Year Horizon)

Time Frame: 2025-2028 - ESEM Program Impacts

Since launching in 2021, ESEM has supported six multigenerational, family-owned businesses in Southwest Virginia in diversifying their traditionally coal-centric operations into emerging energy markets.

Revenue



New & Retained Revenues **\$35,150,000**

Investment



Facilities & Equipment **\$13,657,000**

Projected Impacts



**Cost Savings for
Manufacturers
\$9,130,000**



**Jobs Created &
Retained
140**

How ESEM Supports Manufacturers

- ✓ **Technical Assistance** – Custom support for market entry, workforce development, and process improvements.
- ✓ **Facility Expansion & Equipment Upgrades** – Funding guidance and strategic planning for infrastructure growth.
- ✓ **Energy Efficiency & Sustainability** – Implementing best practices to reduce costs and environmental impact.
- ✓ **Market Diversification** – Helping businesses transition from coal-centric industries to high-growth energy sectors.

Why ESEM Matters



Diversify and Strengthen

Transition existing manufacturing firms towards burgeoning markets in energy storage and electrification, securing a resilient future.



Supply Chain Resilience

Enhance the domestic supply chain's robustness in critical, rapidly evolving sectors. Will help create a better tomorrow for everyone.



Sustainable Job Creation

Generate sustainable employment opportunities, enriching the local community and economy.



Attract Investment

Draw new energy technology investments to the region, fortifying its economic base.

ESEM FUNDING AND PROJECT PARTNERS

THE THOMPSON
CHAIRTABLE
FOUNDATION (TCF)

US Economic
Development
Administration

CUMBERLAND
PLATEAU PLANNING
DISTRICT
COMMISSION (CPPDC)

GOVA

VIRGINIA COALFIELD
ECONOMIC
DEVELOPMENT
AUTHORITY (VCEDA)

VIRGINIA COALFIELD
ECONOMIC
DEVELOPMENT
AUTHORITY (VCEDA)

ASCENT VIRGINIA

APPALACHIAN
VOICES

Partner With Us

ESEM is actively seeking funding partners, manufacturers, and industry collaborators to expand its impact. Your support can help bring innovation, economic resilience, and sustainable job creation to Southwest Virginia.

Contact: Billie Roberts, ESEM Project Manager
Email: billie.roberts@appvoices.org
Phone: 276-245-2674