

MINNESOTA ENERGY ALLEY

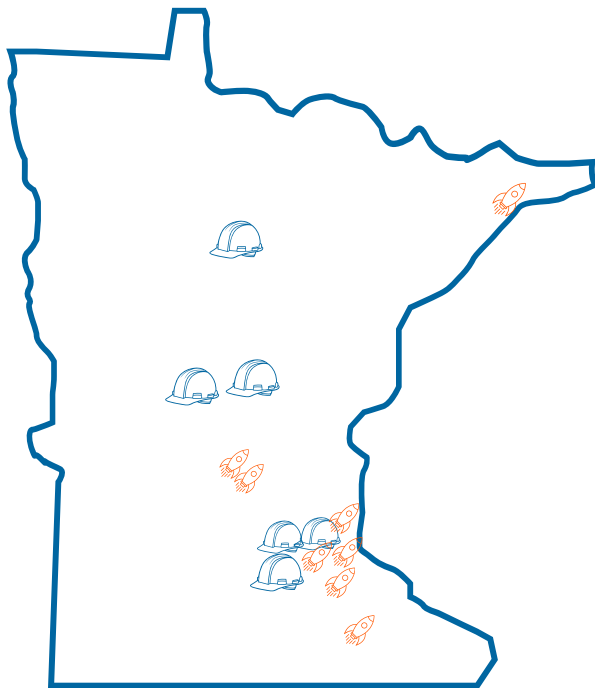
Making our state a global hub for energy innovation, cleantech, and advanced manufacturing.

Minnesota Energy Alley is a public-private partnership that drives innovation to secure our state's energy and economic development future. This initiative leverages our region's technological expertise and industry leadership to help energy entrepreneurs and startups to grow and scale their businesses.

This initiative follows the successful model for partnership and innovation established by Medical Alley, recognized as one of the world's most dynamic and successful technology clusters. Minnesotans have expertise as a "deep tech" and advanced manufacturing region, with a proven track record in big ideas, industry partnerships, attracting private investment, and building exceptional and innovative products and services.

The Mission

- Promote Innovation
- Catalyze Economic Growth
- Support Small Businesses Across the State
- Create Family Supporting Careers
- Achieve State Energy Laws and Goals



Minnesota Startups Supported by MN Energy Alley (headquartered in 11 cities across the state)



Demonstration Cohort Project Locations 2024 & 2025 (10 projects in 6 cities)

Successes To Date

10

Pilot Projects

Five are substantially complete. Five in progress.

13

Minnesota Companies Supported

Five in the Demonstration Cohort. Eight in the PowerNorth Incubator.

3

Department of Energy

Startups selected for over \$9 million in Department of Energy grants in 2024.

12

Networking Events

Hosted twelve ecosystem-building and education events.

31

Innovators Network

Expanded our network with five new industry partners/future pilot hosts.



Pilot Funds

\$1,042,667 in committed pilot funds.



Attracting Investments

Cohort companies secured over \$11 million in public/private funding since program participation. Over \$9 million for MN-based companies.

Technologies Advanced Through Our Demonstration Program

Energy Efficiency



Electrostatic Motors



Heat Pumps

Energy Storage



Batteries

Renewable Energy



Ammonia-Powered Engines



Hydrogen Electrolysis



Solar Thermal

Software and Controls



EV Charging



Solar Energy Management



Turbine Monitoring



Virtual Power Plant



AI-Enabled 3D Mapping

Material Science



IT Cooling Systems



Carbon Sequestration

Why Demonstrations Catalyze Businesses

Demonstration projects are a critical step in the commercialization process for startups. Proving out their technology in real-world applications with established and trustworthy Minnesota-based partners will attract investors and new customers, with long-term potential for manufacturing and regional job growth.

Demonstration projects provide opportunities for learning through a living lab and collaboration and business development opportunities with international business leaders.

Accelerated energy ventures access nearly **twice as much financing**, earn **50% higher revenue growth**, and average **16% more full-time hires**.

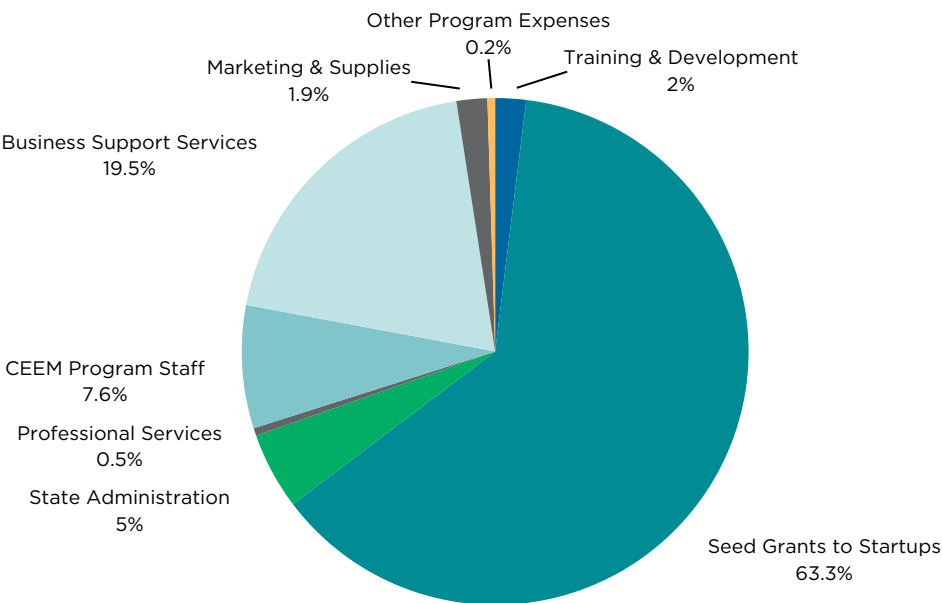
Making an Impact for Minnesota

The program is on track to be self-sustaining through private investment after 2028, with over \$600,000 secured for programming and two dedicated Minnesota funding mechanisms launching in 2025.

We have already doubled our goal for follow-on funding. Of the \$11 million in public and private investment that cohort startups have attracted since program participation, \$9 million has gone to Minnesota-based companies.

By 2028, we aim to support over **20 projects**, assist **hundreds of startups and entrepreneurs**, expand **student innovation** pathways, connect statewide programming, and double industry participation.

Minnesota Energy Alley Fund Allocation



More Information



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