



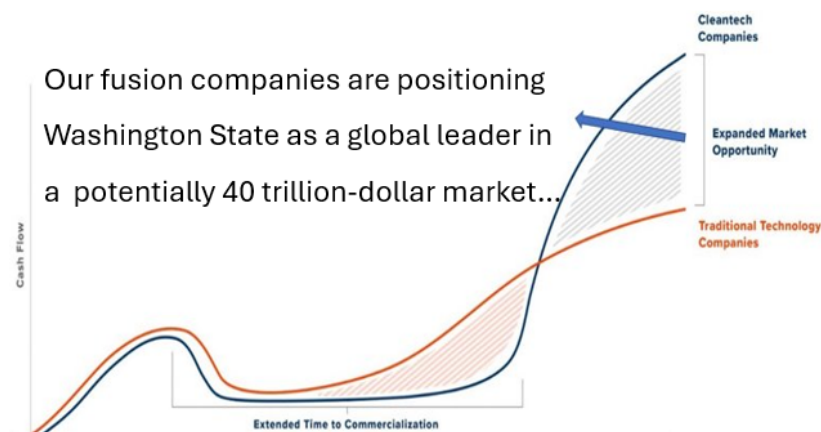
FOCUS ON FUSION CLUSTER OVERVIEW

The CleanTech Alliance connects the clean technology ecosystem to drive innovation, economic development, and public policy to accelerate clean technology adoption, benefiting all communities. As the nation's largest clean-technology focused trade association, we represent 1000+ organizations spanning seventeen U.S. states. Members include industry, universities, national labs, startups, regional governments, and NGOs. Home to multiple fusion energy companies, we began convening them in 2021 to dialogue about areas they could collaborate.

With funding from Washington State's Innovation Cluster Accelerator program (ICAP), we created the **Focus on Fusion Cluster** to accelerate fusion energy commercialization. Cluster economic development is an internationally proven model, enabling promising industry sectors to assemble the ingredients they need to accelerate growth and competitiveness.

The Focus on Fusion Cluster leverages the same regional expertise that makes Washington a global technology leader. Its members are focused on collaboration to commercialize fusion energy technology innovations to scale: a complex challenge that cannot be solved by a single company or institution.

The group's focus is to raise the profile and competitiveness of the fusion industry at large.



Emerging energy companies face significant hurdles in their pathway to commercial readiness and widescale adoption, and unprecedented levels of collaboration can speed this journey. Our cluster aims to ensure that each stage of commercialization can be

conducted in parallel, rather than in sequence, to help America achieve an abundant energy future and our region to become a global market leader for the sector.

Cluster Projects and Outcomes Include:

- Supply Chain Report and Economic Analysis (forthcoming June 2025).
- Legislative education to guide state, local, and regional policy – **Washington is out front in fusion permitting, regulation and project siting policy because of our cluster's work.**
- Scientific and engineering education and collaboration.
- Attracting supply chain and engineering firms to the region.
- Supporting STEM-based initiatives and curriculum to attract students to energy careers
- Accelerating technological innovation and entrepreneurial success.
- Grant writing support and coalition building.
- Media coverage and public awareness for the sector.
- Seattle Fusion Week – an annual event attracting 200+ organizations each fall.

Trending: Hasbro laying off Wizards of the Coast staff is baffling — and could lead to a brain drain

Pacific Northwest is a hub for fusion companies chasing power's 'Holy Grail'

BY LISA STIFFLER on November 4, 2022 at 8:28 am

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Senior research engineer Morgan Quinley works on Zap Energy's FuZE-Q device during its final assembly. (Zap Photo)

The Sun is the ultimate fusion machine, endlessly smashing atoms together and creating power. For decades, physicists have struggled to create fusion on Earth in a reliable, cost-effective manner. If successful, it would unlock an unlimited source of safe, clean energy — the so-called "Holy Grail" of renewable power.

Now, more than half a century since this work began, many in the field say they're close to reaching this goal — and the Pacific Northwest is emerging as one of the few fusion hubs worldwide.

Seattle is emerging as Fusiontown, U.S.A.



Christine Clarridge



Illustration: Sarah Grillo/Axios

The Seattle region is solidifying its place as a global leader in the race for fusion energy, with five major companies looking to crack the code on the clean, sustainable power source.

Seattle Fusion Week, now entering its 5th year, brings together all interested parties for analysis of issues facing commercializing the industry.

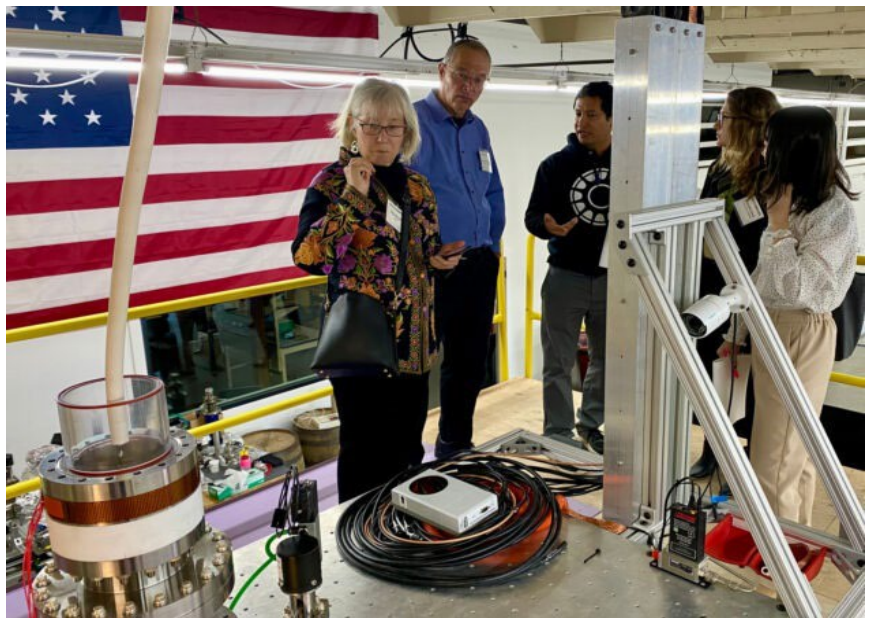
Collaboration and engagement with elected officials at Seattle Fusion Week directly laid the foundation for smart policy and regulatory development.

Keynote speakers have included Senator Maria Cantwell, Governor Jay Inslee, DOE Undersecretaries Geraldine Richmond and David Conrad and Fusion Energy Sciences (FES) Director JP Allain, State Senators Reuven Carlyle and Joe Nguyen, and Everett Mayor Cassie Franklin.

Over the years we have welcomed speakers from national labs, universities, DOE, DOD, OSTP, NASA, EPRI, Washington Commerce, Washington Ecology, and the Fusion Industry Association.

Event topics include:

- “Fusion 101’ – a chance for students and the business community to learn about Fusion Energy
- Plasma Physics for Politicians
- Space Propulsion and DOD Applications for Fusion
- Building a Fusion Workforce
- The Future of Fusion Regulation
- Utility Integration, Deployment and Readiness



Sally Benson, White House Office of Science and Technology Policy, visits Avalanche Energy during the 2022 Seattle Fusion Week (CleanTech Alliance / Jennifer Audet)

While the cluster enjoys strong industry support, continued local, state, regional, and federal funding is needed to support the cluster while the sector matures. Contact us to learn more,