

Growing Northeast Ohio's High Tech Economy

National Academy of Science

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About NorTech

NorTech, the Northeast Ohio Technology Coalition, is the **Champion** for growing the high tech economy in Northeast Ohio.

We are the only organization that focuses solely on our high tech economy, across all sectors.

We have one, unwavering purpose: **To champion success in Northeast Ohio's high tech economy.**

How? We marshal resources and forge collaborations to drive growth.

Sector Roadmaps

CURRENT STATE

Identify Regional Assets

Understand Global Market

Assess Competitive Regional Landscape

Regional Strategy & Action Plan to Achieve the Vision

"TO BE" STATE (10 years)

Vision for NEO

- Our globally distinctive role
- Market based characterization of success
- Economic impact in jobs and output (metrics)

- Led by NorTech, developed collaboratively with stakeholders throughout NEO and beyond
- Articulates and communicates the shared regional vision
- Serves as the “game plan” for the region
- Forms the basis of our “pitch” for the region
- Dynamic tool to guide individual strategies & align regional priorities

Government Engagement

- Catalytic role in expanding state & federal funding with focus on technology
- Working with partners, identified gaps & needs
- B&D Consulting mapping out specific opportunities
 - Advanced energy
 - Innovation & entrepreneurship
 - Manufacturers in transition
 - Support for incubators
- Outcome Metric: \$10M additional federal funding
- Ohio Third Frontier

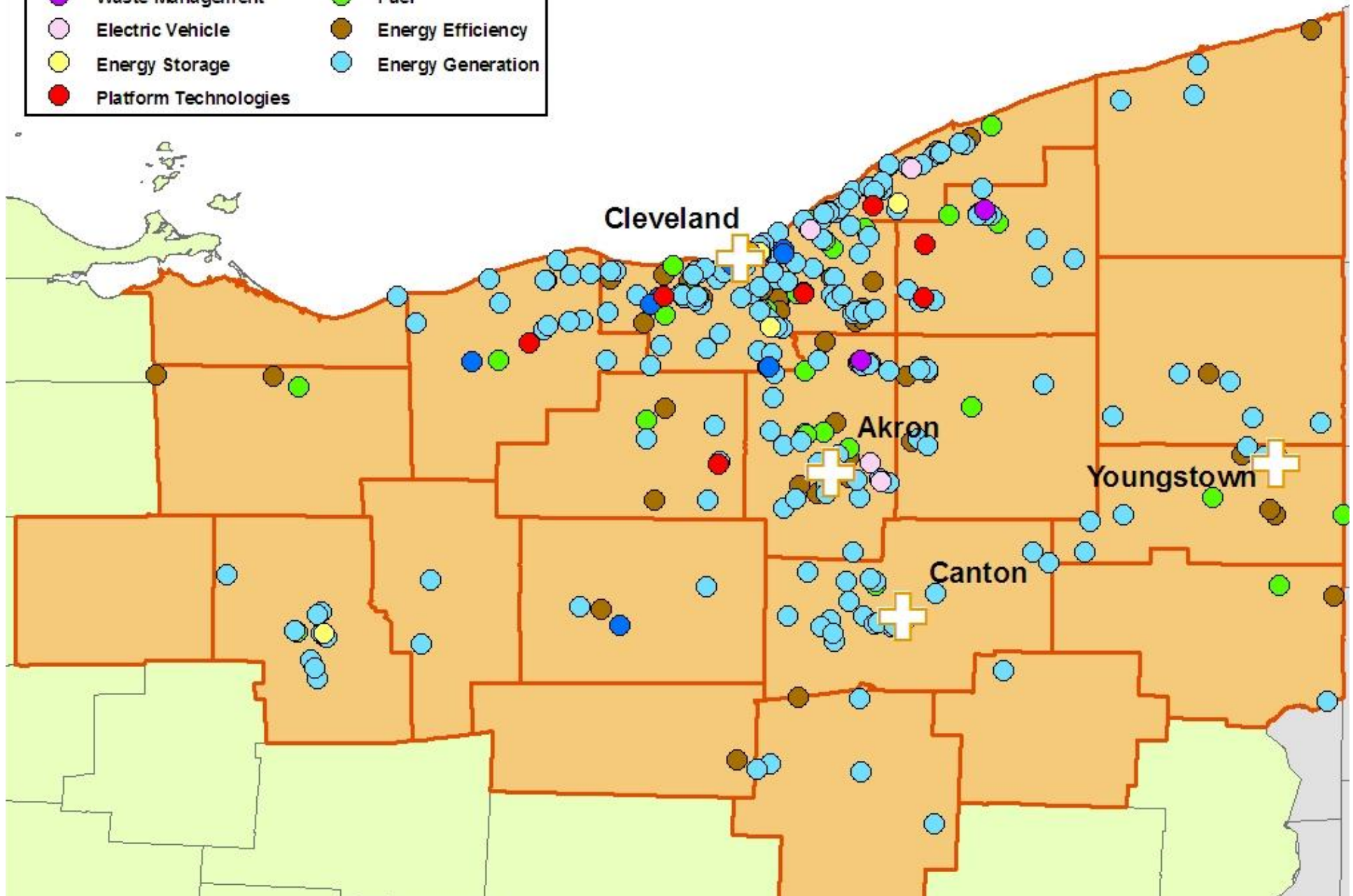
NorTech's Advanced Energy Initiative



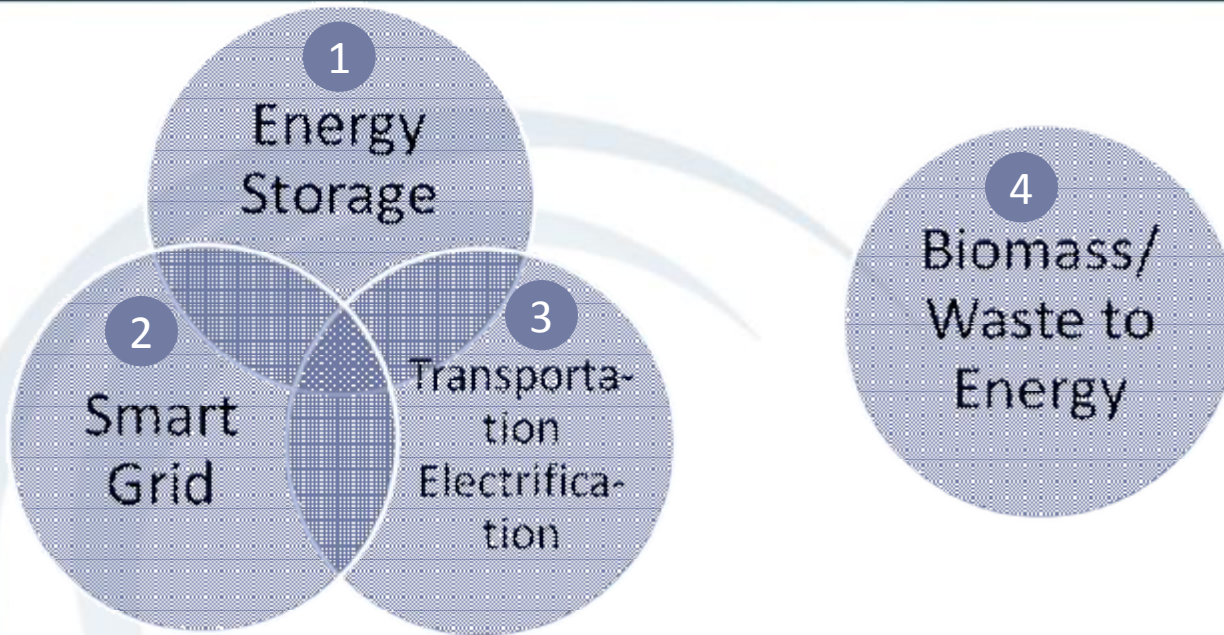
Advanced Energy Sectors

- | | |
|-----------------------|-------------------|
| Workforce Development | Multi-sectors |
| Waste Management | Fuel |
| Electric Vehicle | Energy Efficiency |
| Energy Storage | Energy Generation |
| Platform Technologies | |

www.NorTech.org/OurStrengths/AdvEnergy



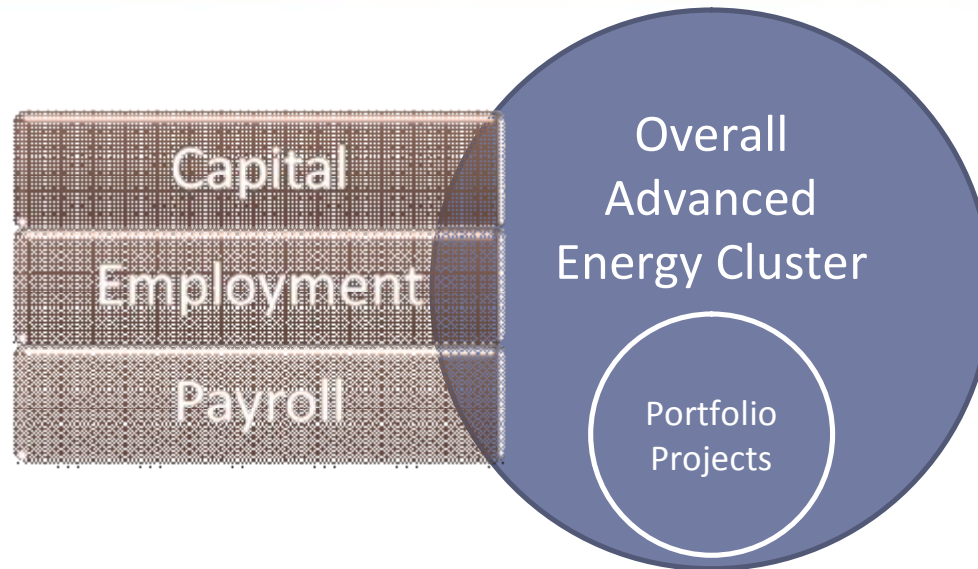
Road Mapping Targets



- Natural synergies emerged in 3 sectors
- Additional sectors can be examined in subsequent phases
- Can still take on smaller scale, exploratory projects in other sectors without full blown road map

Advanced Energy Initiative

NorTech Energy Enterprise



METRIC	CLUSTER	PROJECTS
Capital	\$75 million	\$25 million
Employment	600 jobs	150 jobs
Payroll	\$42 million	\$10.5 million

2 Year Metrics (30 months after launch, allows for 6 month ramp-up)

Flexible Electronics Initiative

NorTech FlexMatters

Goal: To cultivate a flexible electronics cluster

- Electronic devices that bend and fold such as displays, photovoltaics, batteries, and sensors.
- Fabricated using a full range of flexible materials (organic, inorganic, hybrid) and processes (printing and vacuum; batch and roll-to-roll)
- Enabling a broad range of possible end-use applications for consumer, industrial, healthcare, and military markets.

Flexible Electronics Initiative

NorTech FlexMatters

Outcome Metrics:

- Completed roadmap (July 2010)
 - Will give definition to next steps and metrics
- 10 Jobs
- \$700,000 in payroll
- \$2M in capital attraction