

Pathways for Massachusetts

BROAD PARTICIPATION. TECHNICAL EVIDENCE. PEER LEARNING. A FOUNDATION FOR INFORMED CHOICES.

With deep resources in research, infrastructure and talent, Massachusetts is uniquely positioned to attract investment and create an innovative, sustainable plan that builds capacity, connects existing strengths and aligns technology, markets and energy needs.

THREE STRATEGIC FINDINGS

1: ENERGY AND ECONOMIC OPPORTUNITY

Growing demand, winter reliability and affordability challenges create an energy-system need.

2: CONNECT WHAT MASSACHUSETTS ALREADY HAS

Research reactors, universities, fusion leadership, engineering, advanced manufacturing, workforce and innovation institutions create a substantial foundation.

3: BUILD A REGIONAL, FLEXIBLE STRATEGY

Massachusetts can coordinate across New England while preserving distinct pathways for advanced fission and fusion.



THE STRATEGY:



Define

Establish the analytical, policy and regulatory foundation for informed decisions.



Innovate

Strengthen and connect the capabilities that allow Massachusetts to participate, compete and create new opportunities.



Advance

Move credible opportunities toward demonstration, commercialization, investment and potential deployment.



Targeted public action should build broadly useful capability, reduce shared uncertainty, leverage private and federal resources and preserve flexibility. The Roadmap is a maintained decision framework — not a single technology bet.

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One Connected Strategy

The recommendations work together: Evidence guides investment, investment builds capability, and capability makes Massachusetts a credible destination for people, companies and projects.

1. CLEAN FIRM ENERGY DECISION FRAMEWORK Evaluate clean firm resources within integrated energy-system planning.

2. CLEAR POLICY AND REGULATORY PATHWAYS
Clarify state, federal, regional and local roles with predictable pathways.

3. WORKFORCE AND SUPPLY CHAIN
Connect education, hands-on training, employers, labor and supplier development.

4. PUBLIC INFORMATION AND COMMUNITY CAPACITY Build trusted information and technical capacity before specific projects emerge.

5. RESEARCH AND DEMONSTRATION INFRASTRUCTURE
Modernize and connect research, testing, training and manufacturing assets.

6. INVESTMENT AND ECOSYSTEM GROWTH
Capture more activity across research, manufacturing, materials, testing and commercialization.

7. LEADERSHIP AND REGIONAL COORDINATION
Create durable coordinating capacity and connect Massachusetts to New England and federal partners.

IMPLEMENTATION: ORGANIZE → BUILD → SCALE

0-2 YEARS

ORGANIZE AND PREPARE
• Coordinating structure •
Priority analyses •
Institutional responsibility

3-5 YEARS

CULTIVATE AND DEMONSTRATE
• Workforce • Research/testing
• Regulatory and
supply-chain readiness • Incubation

5-15+ YEARS

ADVANCE AND SCALE
Support credible opportunities as
technical, economic and
public-interest evidence strengthens

Scan the QR code for more information, including complete analysis, supporting documentation, sources, references and the full Roadmap.

