



FUSION ROADMAP



- Completed Actions
- 1 - 3 Years
- 3 - 5 Years
- End Goal

NEIMA/ADVANCE ACT

NEIMA signed into law/Issued ADVANCE Act Section 205(c) Report



ONGOING DRIVERS



- ADVANCE Act Section 205 Commitments
- Vision and Strategy Execution
- Agreement State Coordination
- Stakeholder Engagement

FUSION FUNDAMENTALS TRAINING

Develop & implement a web-based introductory fusion fundamentals training course



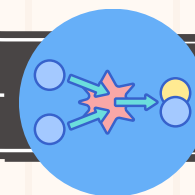
VISION AND STRATEGY

Update V&S with monitoring plan and roadmap



COMMERCIAL VIABILITY

Demonstration of commercial viability with proof-of-concept fusion machines



COMPUTER CODES

NRC HP computer code updates to support licensing reviews



INSPECTION PROCEDURES

Issue inspection procedures for commercial fusion machines



REGULATORY TRAINING

Deliver training to NRC & Agreement State staff on the final fusion rule & guidance



FINAL RULE

Publish fusion machines final rule and guidance



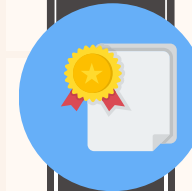
REGULATIONS

Publish proposed fusion machines rule



LICENSING OF COMMERCIAL FUSION MACHINES

Application for and licensing of a first-of-a-kind fusion machine



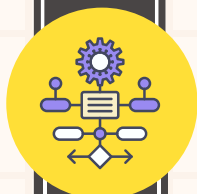
CONSTRUCTION AND OPERATION

Construction and operation of the first commercial fusion machine



MASS-MANUFACTURED FUSION MACHINES

Develop and implement a framework to support licensing of mass-manufactured fusion machines



FEE STRUCTURE

Establish the fee structure for fusion machines



FUSION TECHNOLOGY TRAINING

Develop & implement an instructor-led advanced fusion technology training course



FUSION MACHINE DESIGN CERTIFICATION TRAINING

Develop & implement a training program for fusion machine design certification reviewers



APPROVAL OF FIRST COMMERCIAL FUSION MACHINE DESIGN



DESIGN CERTIFICATION

Application for design certification of a fusion machine intended for mass production

