



U.S. DEPARTMENT OF  
**ENERGY**

Energy Efficiency &  
Renewable Energy

# Overview of the AMO Multi-Year Program Plan

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*[www.manufacturing.energy.gov](http://www.manufacturing.energy.gov)*

# Draft AMO MYPP

## Advanced Manufacturing Office Multi-Year Program Plan for Fiscal Years 2017 through 2021



- Transparent 5-year plan available to internal and external stakeholders
- Clearly communicates AMO plans and priorities
- Serves as an operational guide for AMO to manage activities toward programmatic and agency goals
- Sets forth the Office mission, vision, and goals
- Identifies the technology, outreach, and crosscutting activities the Office plans to focus on over the next five years.

The updated draft plan reflects consideration of the comments received.

View and download the AMO MYPP

<https://energy.gov/eere/amo/downloads/advanced-manufacturing-office-amo-multi-year-program-plan-fiscal-years-2017>

# AMO Vision and Mission

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## AMO Vision and Mission

**Vision:** U.S. global leadership in sustainable and efficient manufacturing for a growing and competitive economy.

**Mission:** Catalyze research, development and adoption of energy-related advanced manufacturing technologies and practices to drive U.S. economic competitiveness and energy productivity.

# AMO Strategic Goals

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- Improve the productivity and energy efficiency of U.S. manufacturing.
- Reduce lifecycle energy and resource impacts of manufactured goods.
- Leverage diverse domestic energy resources in U.S. manufacturing, while strengthening environmental stewardship.
- Transition DOE supported innovative technologies and practices into U.S. manufacturing capabilities.
- Strengthen and advance the U.S. manufacturing workforce.

# AMO Success Indicators

## Success Indicators

- Demonstrate selected advanced manufacturing technologies and deploy practices that increase the rate of **energy intensity** improvement from business as usual (~1 % per year) to 2.5% per year.
- Develop advanced materials, manufacturing technologies, and targeted end use products with the potential to reduce **lifecycle energy impact** by 50% by 2025 compared to the 2015 state-of-the-art.
- Establish partnerships resulting in 30,000 U.S. manufacturing facilities implementing AMO-recognized **energy management** products, practices and measures by 2025.
- Double supported **technical education** and training activities in advanced manufacturing made available for universities, community colleges, and high schools by 2025.



# AMO R&D Areas

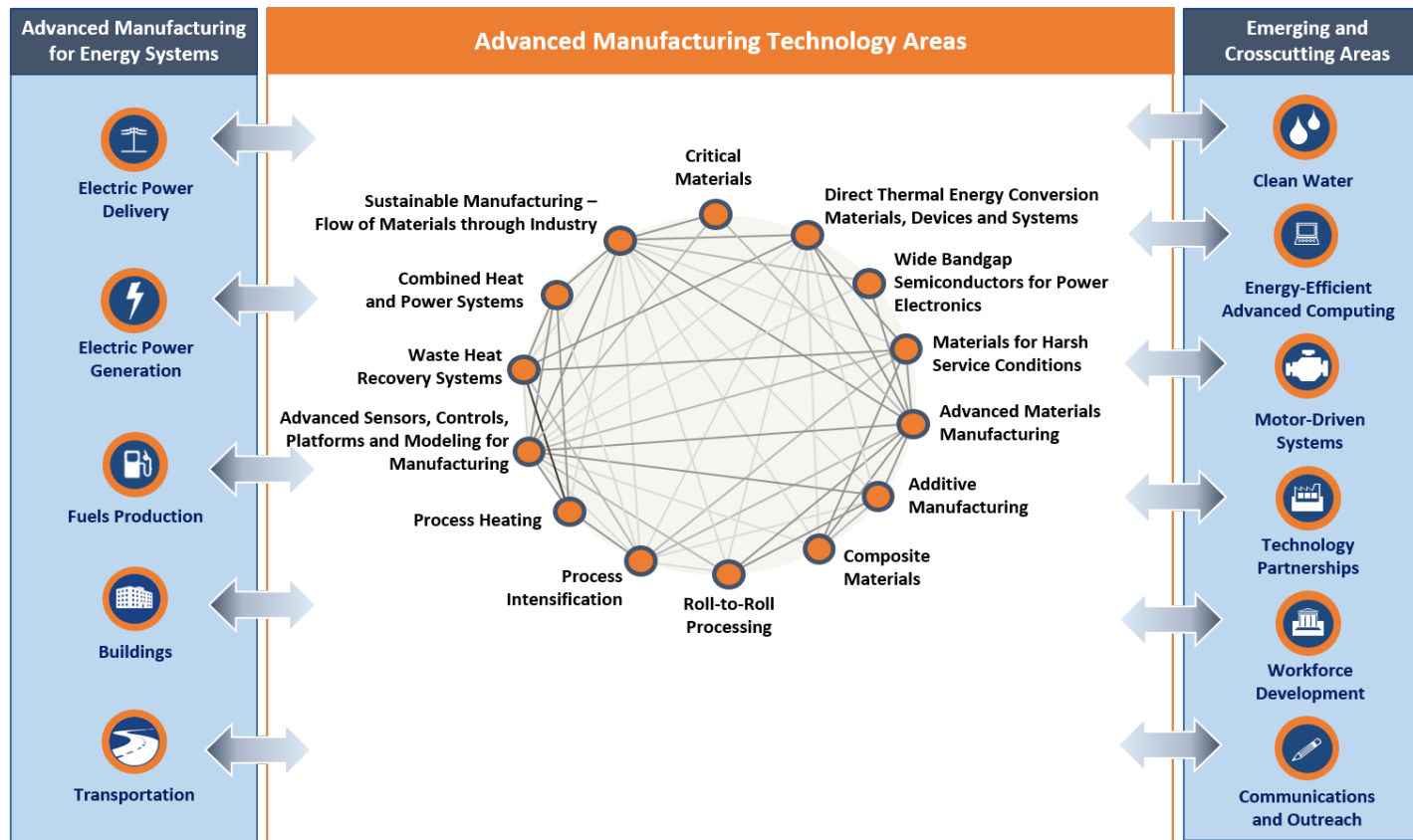


Diagram Showing Connections between the Fourteen Advanced Manufacturing Technology Areas (which coincide with the 2015 QTR Manufacturing Technology Assessment Topics), Energy Systems Influenced by Manufacturing, and Emerging and Crosscutting Areas.

# Technology Plans for R&D Areas include the following:

- Overview of Technical Area
- Targeted Impacts
- AMO Approach
- Technical Targets with Examples
- Related Resources

## Technical Targets for R&D Areas

	Target	Fiscal Year	Current AMO Activity*	Current Status (2016)		Success Indicator**
				2015 Baseline	Progress to Date	
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**\*Key:** CST = Funded Institute or Hub    R&D = Funded R&D Project    SBIR = Funded SBIR Project  
PRA = Practices    NCA = No Current Activity

**\*\*Key:** EI = Energy Intensity    LC = Lifecycle Energy Impact  
EM = Energy Management    TE = Technical Education

# Requests to Peer Reviewers/Stakeholders

Provide input on Technical Targets for your area of expertise:

- Are the targets/milestones SMART, i.e. specific, measureable, achievable, realistic, timely?
- Do the 2015 Baselines accurately reflect technology development as of 2015?
- For funded partners work with your DOE Technical Managers to provide progress towards the targets with a public reference.