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Infrastructure Investment and Jobs Act: Summary of Manufacturing and Industrial Provisions

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Infrastructure Investment and Jobs Act

- Passed by Senate and House of Representatives and signed by the President
- In addition to energy, covers transportation, natural resources, water and wastewater, broadband – over 1000 pages
- See NASEO summary for list of energy-related sections: https://www.naseo.org/news-article?NewsID=3644
- Discrete industrial energy efficiency subtitle but also other pertinent sections (critical minerals, rare earth elements, batteries, EV, hydrogen, CCUS, …)
- Additional funding potentially available through separate reconciliation package

+ Industrial Energy Efficiency

Amount	Program	Notes
$550 million	Future of Industry Program and Industrial Research and Assessment Centers (§40521)	- Supports Industrial Assessment Center (IAC), tech assistance to small/medium manufacturers and water/wastewater facilities. - Expands IACs to trade schools, community colleges, union training programs; est. Centers of Excellence; workforce training support (50% cost-share) - $400 million grant program (max. $300,000 each; 50% cost-share) for implementing IAC recommendations
$50 million	State Manufacturing Leadership (§40534)	- Funds state smart manufacturing technology implementation programs and programs to provide high-performance computing access to small-/medium-sized manufacturers - Competitive funding, up to $2 million each, at least 30% state cost share
n/a	Sustainable Manufacturing Initiative (§40522)	- DOE will provide onsite technical assessments for energy, water, and resource efficiency, pollution prevention and waste reduction.

Other Manufacturing and Industrial Provisions

Amount	Program	Notes
$140 million	Rare Earth Elements Demonstration Facility (§40205)	- Fund with an academic partner a facility to demonstrate integrated rare earth element extraction, separation, and refining
$6.135 billion	Battery processing and manufacturing (§40207)	- Support domestic supply chain of battery production - $60 million for battery recycling research, development and demonstration programs (states eligible) - $50 million for state and local programs - 50% cost-share requirement
$200 million	EV battery recycling/second-life applications program (§40208)	- RD&D of second-life applications/technologies, and process for final recycling/disposal - Includes funding for grant program

Other Manufacturing and Industrial Provisions (continued)

Amount	Program	Notes
$750 million	Advanced Energy Manufacturing and Recycling Grant Program (§40209)	- Funding for advanced energy manufacturing and recycling facilities in "covered census tracts" (those in or adjacent to coal mine closures or coal-fired generator retirements) - Including renewables, grid mod, fuel cells, microturbines, energy storage, EV, energy efficiency, CCUS, etc. low-carbon/low-emission tech.
$400 million	Critical Minerals Mining and Recycling Research (§40210)	- Grants for critical minerals R&D - Grants (not exceeding $10 million per project) for pilot projects for development, processing, and recycling of critical minerals and metals in the United States; - To advance innovative critical minerals mining, recycling, and reclamation strategies and technologies
$500 million	Industrial Emissions Demonstration Projects (§41008)	- Authorizes appropriations for industrial emissions demonstration projects under EISA 2007 454(a)(3) (42 USC 17113(d)(3)

Other Parts of Interest

Program	Notes
Carbon Capture, Utilization, Storage, and Transportation Infrastructure (Title III, Subtitle A)	- Funding and programs for CCUS - Pertinent to CCUS technologies and processes - Relevant to managing industrial emissions
Hydrogen Research and Development (Title III, Subtitle B)	- Funding and programs for clean hydrogen - Includes Clean Hydrogen Manufacturing Initiative and Clean Hydrogen Recycling RD&D Program - Pertinent to hydrogen production and processing technologies - Relevant to hard-to-decarbonize industries that can use hydrogen for energy or as feedstock

Contact Information

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