

ENACTED PROGRAMS CHAMPIONED BY CHAIRMAN MANCHIN TO SUPPORT MANUFACTURING IN WEST VIRGINIA

The Inflation Reduction Act of 2022

» *Funding and Incentives for Domestic Clean Energy Manufacturing.*

- *48C Advanced Energy Manufacturing Investment Credit:* Provided \$10 billion in tax credits to retool, expand, or build new facilities that make or recycle energy-related products, including a \$4 billion carve out for use in communities where coal mines have closed or coal power plants have retired.
- *ATVM Loans:* Provided \$3 billion to leverage as much as \$20 billion in direct loans through the Department of Energy's (DOE) Advanced Technology Vehicle Manufacturing (ATVM) Loan Program to build new facilities or retool facilities in the United States for the manufacturing of eligible vehicles or components. This funding can be used to manufacture light-, medium-, and heavy-duty vehicles, locomotives, maritime vessels including offshore wind vessels, aviation, and hyperloop along with their components.
- *Domestic Manufacturing Conversion Grants:* Provided \$2 billion grants through the Department of Energy for the domestic production of plug-in hybrids, EVs, hydrogen fuel cell vehicles and other efficient vehicles.
- *45X Advanced Manufacturing Production Credit:* Created a new production tax credit for components related to clean energy such as solar photovoltaic cells, wind energy components, critical minerals, batteries and battery components to help us onshore these important supply chains.
- *Modifies the EV tax credit:* Instituted new requirements for battery manufacturing and final assembly of vehicles in North America to qualify for the zero-emission vehicle consumer credit.

Infrastructure, Investment, and Jobs Act of 2021

» *Funding for Domestic Clean Energy Manufacturing and Assistance for Small and Medium-Sized Manufacturers.*

- Established a Battery Material Processing, Manufacturing and Recycling Grant Program at DOE with \$3 billion for battery manufacturing and recycling.
- Appropriated \$750 million program for small- and medium-sized manufacturers to build new or retrofit existing manufacturing and industrial facilities to produce or recycle advanced energy products, including battery and vehicle components, in communities where coal mines or coal power plants have closed.
- Provided \$50 million in grants to states to facilitate access to high-performance computing resources for small and medium manufacturers; and to provide financial assistance to small and medium manufacturers to implement smart manufacturing technologies and practices.
- Included \$400 million for manufacturing efficiency upgrades for small- and medium-sized manufacturers that have been recommended in an assessment from an Industrial Assessment Center or Combined Heat and Power Technical Assistance Partnership.

CHIPS+ Act of 2022

» *Invests in Domestic Production of Semiconductors.* Provided \$52.7 billion for domestic semiconductor research, development, manufacturing, and workforce development. This included:

- \$39 billion in manufacturing incentives, including \$2 billion for the legacy chips used in automobiles and defense systems.
- A 25% investment tax credit for capital expenses for manufacturing of semiconductors and related equipment.

Energy Act of 2020

» Clean Industrial Technologies RD&D. Established a cross-cutting RD&D and Commercial Applications program to further the development and commercialization of economic and competitive technologies that reduce emissions from the production processes for iron, steel, aluminum, cement, and chemicals, as well as from high temperature heat generation.