



R&D Funding Breakdown

Inflation Reduction Act

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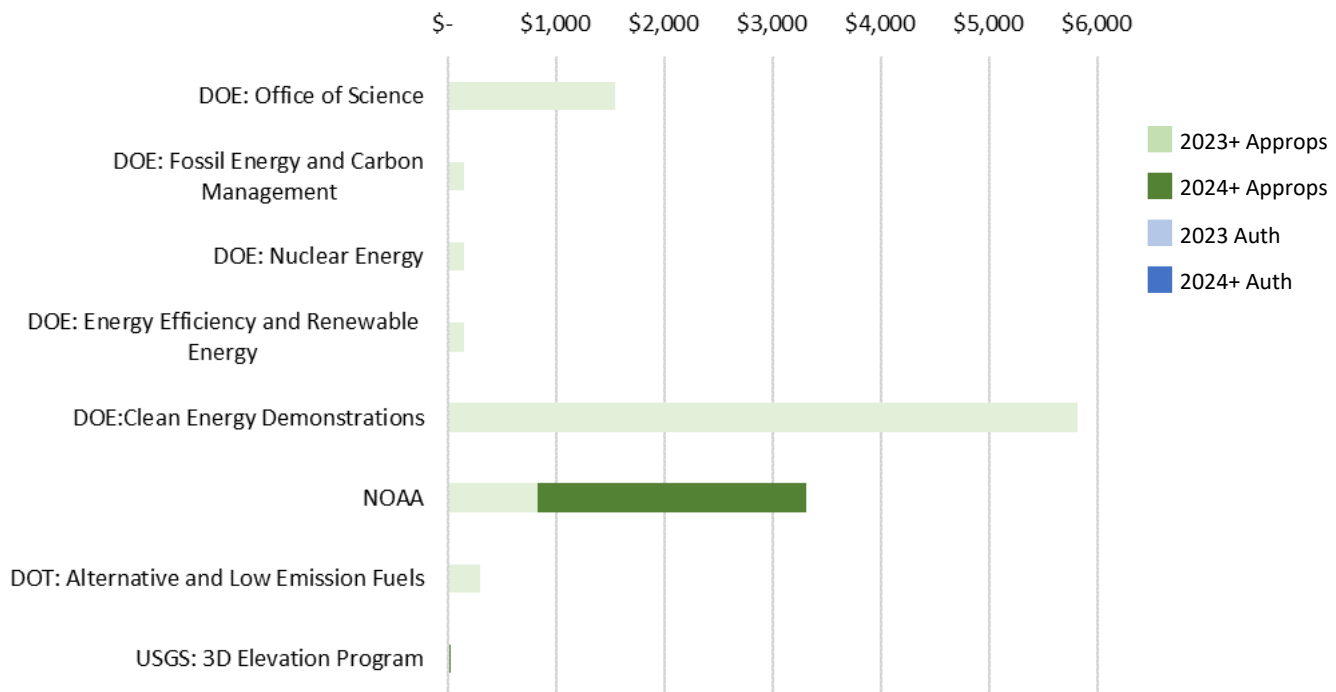
Not all dollar signs written by Congress can be spent—the federal budget is established by two main designations: authorization and appropriation. Authorizations are the process by which Congress allows for changes in or the creation of new programs. Authorized funds identify the amounts that *can* be spent on specific line items, not necessarily how much *will* actually be spent. **Authorizers set the policy for writing the check.**

Appropriated funds identify how much the agencies are allowed to spend. They represent the funds that agencies can transfer out of the Treasury, and are mostly declared in budget bills produced by the Appropriations Committees, though other legislation will sometimes have its own appropriations. **Appropriators write the check.**

The Inflation Reduction Act is a significantly reduced version of the Build Back Better bill that was proposed last fall. While it primarily contains subsidies and tax rebates, there is some R&D funding included. The following is the appropriations that were included in the Inflation Reduction Act (Public Law 117-169). This bill only contains R&D appropriations, so no authorizations are included on the table below, and more detail on what specifically is outlined in the bill is available in the following pages.

Funding by Section

(millions)





The following tables include the section of the bill that the item was pulled from, a description of the item, the total amount of funding appropriated or authorized, and the amount authorized for the 2023 fiscal year. The last column indicates if this funding is provided to an existing program or if it additionally established a new item.

Appropriation				
Section	Item	Total Amount (millions)	2023 Amount (millions)	Funding Status
DOE Office of Science		\$ 1,549	\$ 1,549	
50171	Science laboratory infrastructure projects	\$ 133	\$ 133	Expansion
50171	High energy physics construction and major equipment	\$ 304	\$ 304	Expansion
50171	Fusion energy science construction and major equipment	\$ 280	\$ 280	Expansion
50171	Nuclear physics construction and major equipment	\$ 217	\$ 217	Expansion
50171	Advanced science computing research facilities	\$ 164	\$ 164	Expansion
50171	Basic energy science projects	\$ 294	\$ 294	Expansion
50171	Isotope research and development facilities	\$ 158	\$ 158	Expansion
50171	Fossil Energy and Carbon Management	\$ 150	\$ 150	Expansion
50171	Nuclear Energy	\$ 150	\$ 150	Expansion
50171	Energy Efficiency and Renewable Energy	\$ 150	\$ 150	Expansion
50161	Clean Energy Demonstrations	\$ 5,812	\$ 5,812	Expansion
NOAA		\$ 3,607	\$ 1,125	
40001	Coastal Resilience	\$ 2,600	\$ 650	Expansion
40002	Facilities	\$ 200	\$ 50	Expansion
40003	Permitting and Planning	\$ 20	\$ 5	Expansion
40004	Modeling	\$ 200	\$ 50	Expansion
40005	High performance computing	\$ 190	\$ 48	Expansion
40006	Hurricane forecasting	\$ 100	\$ 25	Expansion
Department of Transportation		\$ 297	\$ 297	
40007	Alternative and Low Emission Fuels	\$ 297	\$ 297	New
U. S. Geological Survey		\$ 24	\$ 3	
59271	3D Elevation Program	\$ 24	\$ 3	Expansion

*- appropriated 2 years instead of 5