

Summary of DOE Energy Storage Funding Under Infrastructure Act



U.S. DEPARTMENT OF
ENERGY



Sandia National Laboratories

FEMA Webinar Series:
*Energy Storage and Microgrids for
Energy Resilience and Reliability*

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May 3, 2023

Summary of Energy Storage Funding Under IIJA

IIJA Programs	IIJA Funding
Resilience – Utilities section 40101	\$5B
Resilience – States & Tribes section 40103(b)	\$5B
Resilience – Remote Areas section 40103(c)	\$1B
Grid Modernization section 40107	\$3B
Advanced Manufacturing section 40209	\$750M
Clean Energy Projects on Mine Lands section 40342	\$500M
Storage Demonstrations section 41001(a)	\$355M
Long-Duration Storage Demonstrations section 41001(b)	\$150M
TOTAL	\$15.755B



IIJA Could Provide Approximately \$3.4B in Funding to Energy Storage

The **\$3.4B** estimate is based on adding the \$505M under the LDES-dedicated sections, plus an estimated 20% of the total grid resiliency funding of \$14B, plus an estimated 10% of the \$1.25B funding for advanced energy product manufacturing and clean energy on mine lands.



Foreshadow: \$369B of IRA Funding of Climate and Energy Provisions

The \$369B is a “score” by the Congressional Budget Office, not a funding limit.
If clean energy projects and products are able to receive more incentive tax credits (ITC) and/or production tax credits (PTC) than estimated, the funding could be greater.

Table 1. Conventional Budget Estimates of the Inflation Reduction Act, FY2022-2031

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Billions of Dollars, Change from Current-Law Baseline

Provision	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Budget window
Extension of expanded ACA subsidies	0.0	-16.9	-23.5	-24.3	-4.9	0.0	0.0	0.0	0.0	0.0	-69.5
<i>Under illustrative permanent extension scenario</i>	0.0	-16.9	-23.5	-24.3	-25.0	-26.0	-26.9	-27.7	-28.5	-29.6	-228.4
Climate and energy provisions	0.0	-19.7	-35.7	-45.9	-50.9	-48.0	-40.8	-42.9	-43.7	-41.5	-369.0
Minimum tax on book income of certain corporations	0.0	32.5	28.3	23.0	22.0	23.1	27.0	31.3	34.9	38.1	260.2
Carried interest tax reform	0.0	1.3	1.6	1.5	1.4	1.4	1.4	1.5	1.5	1.5	13.1
Prescription drug pricing reforms	0.0	2.1	2.8	16.5	14.1	41.3	43.2	46.7	48.7	51.0	266.4
IRS funding	0.0	-3.4	-0.8	5.6	11.8	16.6	22.4	26.6	31.3	36.5	146.6
Total	0.0	-4.0	-27.3	-23.6	-6.5	34.4	53.3	63.1	72.7	85.6	247.8
<i>Addendum: Total under illustrative permanent extension scenario</i>	0.0	-4.0	-27.3	-23.6	-26.6	8.4	26.4	35.4	44.2	56.0	88.9

Note IRA funding of climate and energy is 100x of estimated IJA funding of energy storage.



CleanTech Strategies Background



**Russ
Weed,
principal**

Energy storage expert with 12 years industry experience, including development, revenue, legal management, and advisory

Founding management of flow battery company in 2012

Established consulting firm CleanTech Strategies LLC in 2018

J.D.; executive at General Electric, mid-market companies, start-ups



**Bob
Kirchmeier,
consultant**

Electrical engineer with over 40 years experience in power industry

Program manager of Washington State Clean Energy Fund Grid Modernization program since 2013

Joined Washington State University Energy Program in 2021; contracting with CleanTech Strategies

P.E.; upper management at utilities



**Chris
Murray,
consultant**

Washington, DC veteran with almost 20 years experience in "the Beltway"

Served a U.S. Senator, the White House, Federal Energy Regulatory Commission, US Navy

Established sole proprietorship Poterre in 2019; contracting with CleanTech Strategies

J.D.; manager at Washington, D.C. utility



**Curt
Kirkeby,
consultant**

Electrical engineer with 41 years utility experience

Innovation and technology grid-edge strategist for 20 years

Advanced grid automation control development for 15 years; contracting with CleanTech Strategies

P.E.; technology patent holder for multiple grid edge technologies

