

Oregon Department of **ENERGY**

University of Oregon
Virtual Convening:
State Implementation
of IRA and IIJA

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Director





OREGON DEPARTMENT OF ENERGY

Leading Oregon to a safe, equitable, clean, and sustainable energy future.

Our Mission

The Oregon Department of Energy helps Oregonians make informed decisions and maintain a resilient and affordable energy system. We advance solutions to shape an equitable clean energy transition, protect the environment and public health, and responsibly balance energy needs and impacts for current and future generations.

What We Do

On behalf of Oregonians across the state, the Oregon Department of Energy achieves its mission by providing:

- A Central Repository of Energy Data, Information, and Analysis
- A Venue for Problem-Solving Oregon's Energy Challenges
- Energy Education and Technical Assistance
- Regulation and Oversight
- Energy Programs and Activities

IIJA includes nearly \$100 Billion in additional funding for infrastructure projects.



Oregon communities may have an opportunity to receive additional energy-related funding from IIJA for:

- ⚡ Energy efficiency and conservation
- ⚡ Transmission lines
- ⚡ Smart grid investments
- ⚡ Zero emission school buses
- ⚡ Projects to improve the energy resilience of ports
- ⚡ Hydrogen commercialization and deployment
- ⚡ Carbon capture and utilization
- ⚡ Energy efficiency and renewable energy improvements at public schools
- ⚡ Technical assistance and training on building codes
- ⚡ EV charging infrastructure
- ⚡ Battery recycling
- ⚡ Smart manufacturing technology
- ⚡ Energy workforce development

Scope of the Funding under the Inflation Reduction Act



COMMUNITY ENGAGEMENT



Inform



Consult



Collaborate

What We've Done

- Two general public webinars in the summer of 2022
- Information on ODOE website, newsletters, and blog
- Meeting with ODOE's Energy Advisory Work Group
- Meetings with Investor and Consumer Owned Utility representatives
- Outreach to Tribal Governments
- Workforce development workshop
- Listening session with community-based organizations representing environmental justice communities
- Presented to legislative task forces and committees
- Public hearings and webinars on Grid Resilience, EECBG, and Hydrogen Hubs opportunities
- Condensed feedback into Guiding Principles to direct our efforts



PRIORITIZING FUNDING/PROJECTS

Biden-Harris Administration Priorities

- Invest public dollars efficiently, avoid waste, and focus on measurable outcomes
- Buy American and increase competitiveness of U.S. economy
- Create good-paying job opportunities by focusing on high labor standards
- Invest public dollars equitably, including through Justice40 Initiative
- Build resilient infrastructure that can withstand the impacts of climate change and that helps combat the climate crisis
- Effectively coordinate with State, local, Tribal, and territorial governments



PRIORITIZING FUNDING/PROJECTS

ODOE's Mission

- **Informed** Oregonians
- **Resilience** of energy system
- **Affordability** of energy system
- Transition to a **clean energy future**
- **Equitable** transition
- Protecting **environment and public health**
- Balancing **energy needs and impacts**

ODOE's Authorizing Statutes

- Renewable, sustainable, and **diverse energy forms**
- **Efficient** use of resources
- State **leadership** in energy production, distribution, conservation
- Prioritize **basic human needs** in allocation of energy resources
- Preserve and enhance **environmental quality**
- Energy efficient modes of **transportation**
- **Cost-effectiveness**
- State government to provide **impartial and objective information**

Strategic Plan

- Expand and improve **stakeholder engagement**
- Build practices and processes to achieve more **inclusive and equitable outcomes**
- Assess and enhance **organizational data capabilities**
- Assess and modernize **agency programs and activities**
- Optimize **organizational efficiency and impact**

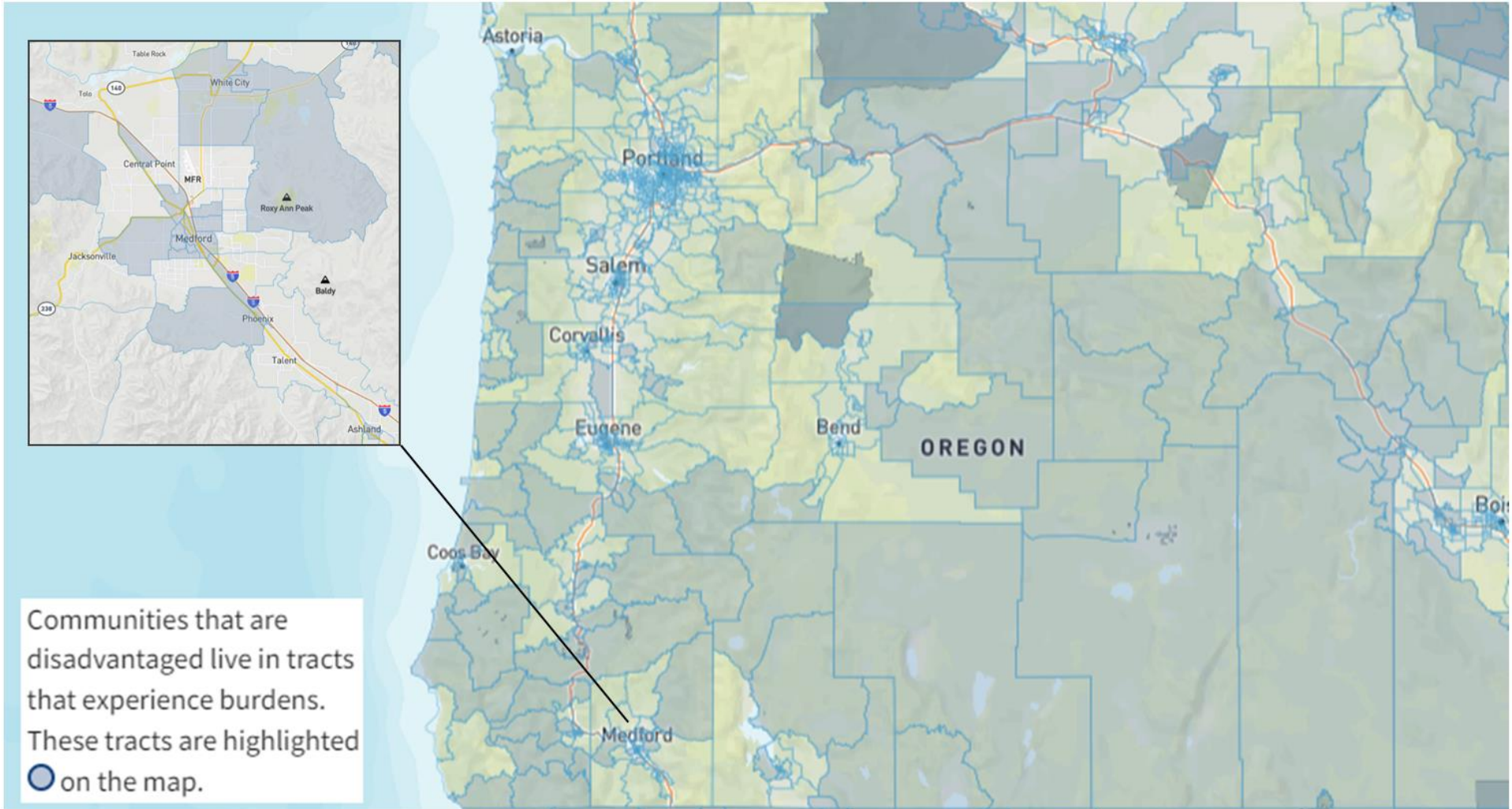
ODOE GUIDING PRINCIPLES

- Considering **equity at every step**, including geographic diversity. This will help ensure that the funds comply with the Biden-Harris Administration's Justice40 initiative to distribute at least 40% of the benefits to disadvantaged communities.
- Coordinating with **tribal governments** and communicating clearly, inclusively, and efficiently to ensure stakeholders and the public are informed and supported, and that they participate in federal funding opportunities.
- Where possible and internal resources allow, providing **technical assistance** to build community capacity and support grant recipients.
- Building **cross-agency partnerships** to leverage expertise and support historically underinvested work to further energy and climate goals and to provide other community benefits.
- Taking advantage of high-priority funding opportunities while ensuring quality work that puts **every available dollar to its best use**.

JUSTICE40 INITIATIVE

- **Executive Order 13985** – Advancing Racial Equity and Support for Underserved Communities Through the Federal Government
- **Executive Order 14008** – Tackling the Climate Crisis at Home and Abroad
 - Targets 40% of overall benefits of federal investments to disadvantaged communities

Climate and Economic Justice Screening Tool



GRANT OPPORTUNITIES ODOE IS CLOSELY FOLLOWING



	Federal Planning	Application Open	Pending	Awarded
Future GRIP cycles	Energy Auditor Amount TBD	EECBG \$1.9 Million	Grid Resilience \$50 Million	SEP \$5.6 Million
REAP Funds	HOMES \$57 Million		CPRG Planning - \$500K	
National Clean Investment Fund	HEEHR \$56 Million		Resilient and Efficient Codes	
Clean Communities Investment Accelerator	Contractor Training Amount TBD		Hydrogen Hub	
CPRG – Implementation Amount TBD	Latest and Zero Building Codes Amount TBD			
	Solar for All Amount TBD			

Key
 Red = IJA Formula
 Orange = IJA Competitive
 Teal = IRA Formula
 Green = IRA (unknown Form/Comp)
 Gray = IRA Competitive
 Circle = ODOE is not/may not be a lead applicant

Energy Planning & Analysis

Oregon has applied to US DOE for **\$5.6 million under the IIJA State Energy Program**, a formula grant program that supports the agency's work in planning, research, analysis, and programs that promote energy security, energy efficiency, renewable energy, resilience, and sustainable transportation.



ODOE submitted an application to U.S. DOE in December 2022 and received funding in **May 2023**. ODOE will be working on establishing reporting metrics this summer in partnership with US DOE.

Grid Resilience

ODOE is eligible for **\$50 million in funding** over five years to help make Oregon's electric grid more resilient.

ODOE's program will improve the all-hazards resilience of the electric grid against disruptive events; generate the greatest community benefit in reducing the likelihood and consequences of disruptive events; advance US DOE's equity, environmental, and energy justice priorities, including the Justice40 initiative; and invest in Oregon's workforce.



ODOE submitted an application for this funding to U.S. DOE on April 18, 2023 and expects to receive **funding in the summer of 2023**.

Workforce Development

ODOE has [heard from the energy industry and communities across the state](#) that there is a need for energy auditors, contractors, and other energy professionals and tradespeople – especially in rural parts of the state.

We are looking for opportunities to leverage existing workforce development programs in the state in support of these efforts.



In or around the **mid-2023**, ODOE will be applying for a competitive grant under the IIJA to support energy auditor training. We also anticipate applying for funds under the IRA supported Contractor Training Grants to aid in HOMES & HEEHR implementation. Workforce development may also be included in other grants, like Solar for All, as a supportive activity.

Investing in Communities

The IJA included new funding for the **Energy Efficiency and Conservation Block Grant (EECBG) Program**, which provides grants to states, local governments, and Tribes to help them implement strategies to reduce fossil fuel emissions, reduce total energy use, and improve energy efficiency.

Some funds will go directly to tribes, larger cities and counties in the state and other funds will come through ODOE to smaller cities and counties.



The application for tribes, states and local governments slated to receive a direct allocation is currently open and **ODOE will apply for the state allocation of \$1.9 million by July 31, 2023, but other entities may have different deadlines and amounts.**

Greenhouse Gas Reduction

The IRA includes **\$5 billion** to plan and implement projects that reduce or avoid greenhouse gas emissions and other air pollution, under an opportunity known as the Climate Pollution Reduction Grants (CPRG). ODOE is working with DEQ and other state agencies to bring some of this funding to the state to support and build on Oregon's existing greenhouse gas reduction programs and policies.

An additional **\$27 billion in funding** will also be awarded through the IRA's Greenhouse Gas Reduction Fund (GGRF). Of this funding, \$7 billion is set aside for a new competitive Solar for All program to support residential and community solar for low-income and disadvantaged communities.



The application for the planning grant under the CPRG was submitted in **April 2023**. Applications for Solar for All are expected in **Summer of 2023**.

Clean Hydrogen Economy

Along with the Washington State Department of Commerce, ODOE is participating in the Pacific Northwest Hydrogen Association, a joint public-private partnership effort, in **applying for funding** from US DOE to host a hydrogen hub in the NW.

The hub would leverage the PNW's clean electricity resources to create a clean hydrogen economy in the region.



The PNWH2A submitted a concept paper to U.S. DOE in November 2022, and was one of 33 organizations (out of a total 79) to receive official “encouragement” from the US DOE and submitted a **full application in April 2023**.

Energy Efficiency & Electrification

ODOE will bring **\$113 million to the state** to help Oregonians make their homes and businesses more efficient, comfortable, and sustainable.

The HOMES program will provide rebates for home energy retrofits and upgrades. The HEEHR program is targeted to Oregonians with low and moderate incomes and will provide rebates for electric and energy efficient appliances like electric heat pumps, electric stoves, heat pump water heaters, and supporting infrastructure.



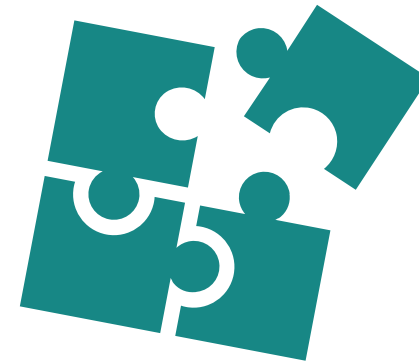
ODOE will be submitting an application to U.S. DOE for this funding during the summer or fall of 2023 and expects to **receive funds in late 2023 or early 2024**.



GOAL FOR ENERGY EFFICIENCY FUNDING: ACCESSIBILITY AND ALIGNMENT

Draft Strategic Intentions

- Easy and accessible for consumers
- Reduce energy burden
- Leverage existing programs
- Improve quality of life
- Improve Racial Justice
- Whole of government approach
- Reduce greenhouse gas emissions
- Responsive system
- Efficiency and alignment
- Programs should be well-resourced
- Integrated eligibility



Legislative Session: Relevant Bills

HB 3166 Starts work on federal funding opportunities around home energy efficiency and creates "One Stop Shop" to help consumers find and understand both new and existing home energy efficiency rebates.

SB 852 "Community Navigator" creates a new position at ODOE to help environmental justice communities seek out and apply for state and federal funding for energy projects.



HOW TO SHARE INFORMATION & CONNECT

Recent Federal Investments in Energy and Climate

- OREGON'S ENERGY
 - ELECTRICITY MIX IN OREGON
 - HOW OREGON USES ENERGY
 - ENERGY PLANNING
 - ENERGY FACILITIES
 - FIND YOUR UTILITY
 - OREGON UTILITIES
 - ▶RECENT FEDERAL INVESTMENTS IN ENERGY AND CLIMATE
- RENEWABLE ENERGY
- OREGON'S RENEWABLE RESOURCES
- INNOVATION & EFFICIENCY
- TRANSPORTATION
- SCHOOLS & PUBLIC BUILDINGS
- ENERGY & THE ENVIRONMENT

Congress passed two major pieces of legislation related to investments in energy and climate, including the [Infrastructure Investment and Jobs Act \(IIJA\)](#) in 2021 and the [Inflation Reduction Act \(IRA\)](#) in 2022.

The [Infrastructure Investment and Jobs Act \(IIJA\)](#) was introduced into Congress by Representative Peter DeFazio on June 4, 2021. Following months of negotiations, the bill passed with bipartisan support and was signed into law by President Joe Biden on November 15, 2021. The law authorizes \$1.2 trillion in infrastructure spending across more than 380 federal programs. Of that, approximately \$650 billion reauthorizes existing funding, and another \$550 billion adds new funding to support the nation's infrastructure needs. The White House has developed [a guidebook for IIJA funding](#).



President Biden signed the [Inflation Reduction Act \(IRA\)](#) into law on August 16, 2022. The IRA funds investments related to health and medical programs as well as energy and climate programs using various tax measures and grants. The IRA provides approximately \$369 billion in funding in support of energy and climate initiatives. The White House released a [Guidebook for Clean Energy and Climate Programs in the Inflation Reduction Act](#). The guidebook contains a profile sheet on each funding opportunity under the IRA. You can [view and download the IRA guide here](#).

Not all of the energy and climate-related funding referenced above will flow through state energy offices like ODOE. There are numerous programs available to applicants from private businesses, institutions of higher education, community-based organizations, utilities, tribes, and local governments directly from federal agencies. Oregon Department of Energy staff are available to answer questions about this funding and encourages Oregonians to research and take advantage of opportunities that may support programs and projects in Oregon.

RESOURCES

- Identified Programs by Agency
- What the IIJA & IRA Mean for Oregon
- PDF one-pager
- IIJA FAQs
- Program Information for Municipalities
- Program Information for Consumer-Owned Utilities
- IIJA Funding 101: 2022 Biennial Energy Report
- Heat Pump Programs FAQs
- Public Engagement Opportunities**

[How ODOE is Working to Bring Federal Funding to Oregon](#)

FEDERAL LINKS

- PL 117-58
- HR 5376
- U.S. DOE Energy Savings Hub - Federal Tax Credit Guide for Energy Efficient Products/Upgrades**
- Federal IIJA Guidebook
- Federal IRA Guidebook
- IRS Energy Tax Credits FAQ
- Clean Energy For All - Info For Consumers

Questions about federal funding?
[Submit them through our Q&A portal.](#)

[Sign Up For Email Updates](#)

Federal IIJA & IRA Funding Opportunity Tracker



IIJA & IRA Tracker - Oregon Department of Energy

Last updated 6-6-2023

NAME OF PROGRAM	CATEGORY	PROGRAM MILESTONES	AMOUNT (\$millions) FY 2022-2026	DESCRIPTION	ELIGIBLE RECIPIENTS
Advanced Energy Manufacturing and Recycling Grants	Clean Energy and Power	March 14 2023 - Concept Paper; June 8, 2023 - Full	\$750.0	Offers grants to small and medium-	Manufacturing firm—subject to size
Advanced Energy Security Program	Resilience	Funding Opportunity expected 4th quarter of 2022	\$50.0	To increase the functional preservation	Utilities, National Labs, Bulk Power
Advanced Solar Energy Manufacturing Initiative	Clean Energy and Power	October 17, 2022 - Submission Deadline for Photovoltaics	\$20.0	To award financial assistance to	Federal, state, and local government,
Advancing Equity Through Workforce Partnerships	Clean Energy and Power	December 6, 2022 - Applications due	\$10.0	Funds the development of workforce	States, local governments, Tribes,
Assistance for Local Emergency Response Training (ALERT)	Resilience	May 5, 2023 - Applications close for Assistance for Local	\$230.0	The Hazardous Materials and Emergency	States, territories, tribes, counties,
Battery Manufacturing and Recycling Grants	Clean Energy and Power	FOA Open in November 2023	\$3,000.0	To provide grants to ensure the US has a	State and local governments, non
Battery Recycling Best Practices	Other	Report to Congress in November 2023	\$25.0	The Environmental Protection Agency	
Building Codes Implementation for Efficiency and Resilience	Clean Energy and Power	March 27, 2023 - Final application due; January 31, 2023 -	\$230.0	A competitive grant program to enable	States and State Partnerships
Building Resilient Infrastructure and Communities	Resilience	January 27, 2023 - Applications due for FY2022 BRIC funding	\$1,000.0	Makes Federal funds available to	State/Local
Building Training and Assessment Centers	Clean Energy and Power	Concept Paper deadline June 16, 2023, Full Application	\$10.0	To provide grants to institutions of	Institutions of Higher Education
Bus and Bus Facilities Program	Public Transportation	April 2022, Full year FY22 apportionment tables released	\$3,160.0	Provides capital funding to replace,	States, Tribal Governments (federally)
Buses and Bus Facilities Competitive Grants	Public Transportation	April 13, 2023 - Applications due	\$1,970.0	Provides capital funding to replace,	States, counties, cities/townships,
Capital Investment Grants (Fixed Guideway)	Public Transportation	TBD	\$8 bn (an additional \$15 billion is	Discretionary grant program funds	States, local governments
Carbon Capture Demonstration Projects Program	Clean Energy and Power	Letters of Intent due March 28, 2023 and full applications	\$2,540.0	Establishes a carbon capture technology	State and local governments Tribes,
Carbon Capture Large-Scale Pilot Programs	Clean Energy and Power	April 5, 2023 - Concept papers due; June 21, 2023 -	\$940.0	To establish a carbon capture	State and local governments Tribal
Carbon Dioxide Transportation Infrastructure Finance and Innovation Program	Clean Energy and Power	January 17, 2023 - Comments closed in response to Request	\$2,100.0	To establish and carry out a carbon	State / Local / Public Authority
Carbon Reduction Program (FHWA)	Roads, bridges and major	October 3, 2022 - FY2023 Federal-Aid Highway Program	\$6,400.0	Formula grants to States to reduce	States, D.C.
Carbon Storage Technology Operations & Research (CarbonSTORE)	Clean Energy and Power	January 09, 2023 - Request for Information responses due	\$0.0	To establish best approaches and	
Carbon Storage Validation and Testing	Clean Energy and Power	First round of awards announced (\$251 million). Funding	\$2,500.0	Establish a program of research,	Technology developers, industry,
Carbon Utilization Program	Clean Energy and Power	December 13, 2022 - Notice of Intent released	\$310.0	To establish a grant program for State	State / Local / Public Utility
Career Skills Training Program	Clean Energy and Power	January 26, 2023 - Comments due for RFI response	\$100.0	Provides a grant to pay the federal share	non-Profit Partnerships
Charging and Fueling Infrastructure Grants (Community Charging) - NEVI Competitive	Electric Vehicles, Buses and	NOFO for \$750 million announced.	\$1,250.0	Funds available each year for to install	States, territories, tribes, local
Charging and Fueling Infrastructure Grants (Corridor Charging) - NEVI Competitive	Electric Vehicles, Buses and	NOFO for \$750 million announced, applications due June 13,	\$1,250.0	To deploy electric vehicle charging and	States, territories, local governments,
Clean Hydrogen Electrolysis Program	Clean Energy and Power	April 19, 2023 - Concept Paper due; July 19 2023 - Application	\$1,000.0	To establish a research, development,	Nonprofit and for-profit private
Clean Hydrogen Manufacturing Recycling	Clean Energy and Power	April 19, 2023 - Concept Papers due for DOE's Clean Hydrogen	\$500.0	Provides federal assistance to advance	Nonprofit and for-profit private
Clean School Bus Program	Electric Vehicles, Buses and	FY 2023 funding opportunity applications due August 22,	\$5,000.0	50% of funds are for zero-emission	States, local governments, eligible
Commercial Direct Air Capture Technology Prize Competition	Clean Energy and Power	Funding Opportunity Announcement expected February 2023	\$100.0	Reauthorization of program to support	Industry Partner
Cybersecurity For The Energy Sector Research, Development, And Demonstration Program	Resilience	Funding Opportunity Announcement expected February 2023	\$250.0	To support development and	Utilities, National Labs,
Electric Drive Vehicle Battery Recycling And 2nd Life Apps	Electric Vehicles, Buses and	November 16, 2022 - Selections announced	\$200.0	For research, development, and	States, local governments, Tribal
Electric or Low-Emitting Ferry Pilot Program	Public Transportation	FOA ETA April 2023	\$250.0	Supports transition of passenger ferries	States, territories, Tribal
Energy Auditor Training Grant Program	Clean Energy and Power	January 26, 2023 - Comments due for RFI response	\$40.0	To provide grants to eligible States to	States
Energy Efficiency and Conservation Block Grant Program	Clean Energy and Power	June 05, 2023 - Concept Paper due; August 07, 2023 - Full	\$10.0	To assist states, local governments and	Local Government/Tribes NOT
Energy Efficiency and Conservation Block Grant Program	Clean Energy and Power	April 28, 2023 - Pre-Award Information Sheet due; July 31,	\$430.0	To assist states, local governments and	State/Local Government/Tribes
Energy Efficiency Revolving Loan Fund Capitalization Grant Program	Clean Energy and Power	May 26, 2023 - Applications due for Energy Efficiency	\$250.0	To provide capitalization grants to	States
Energy Improvements in Rural or Remote Areas	Clean Energy and Power	April 14, 2023 - Concept Paper due; Pre-application due July	\$1,000.0	In consultation with the Department of	Industry Partners and other For-profit
Energy Sector Operational Support for Cyber Resilience Program	Resilience	Estimated opening date, Q1 2023.	\$50.0	To support a program to build energy	Small Electric Utilities, National Labs
Energy Storage Demonstration and Pilot Grant Program	Clean Energy and Power	December 22, 2023 - Letter of Intent due. March 3, 2023 -	\$360.0	To enter into agreements to carry out	State and local governments Tribal
Enhanced Geothermal Systems Pilot Demonstrations Department of Energy	Clean Energy and Power	March 08, 2023 - Letter of Intent due; June 16, 2023 - Full	\$80.0	To support a program of research,	National Labs, Institutes of Higher