

Bipartisan Infrastructure Law and Inflation Reduction Act

Arizona Clean Energy Investments

August 2023 Snapshot Report

The following are federal energy and infrastructure related grants and opportunities in Arizona from present thru October 31, 2023, as part of the Bipartisan Infrastructure Law and the Inflation Reduction Act, to be shared with Technology Developers, Industry, Utilities, Universities, National Laboratories, Engineering and Construction firms, business trade associations, nonprofits, businesses, and more. **These are federal infrastructure funding opportunities available to the private sector.**

Energy Storage Demonstration and Validation	
Open Date: TBD	Important Dates: _DOE plan is to make the FOA available as soon July 2023
Federal \$ Available (\$Thousands): \$12,000	AZ \$ Available (\$Thousands): TBD
Recipient(s): TBD	Eligible Entities: Technology Providers: Private energy storage company, institution of higher education, orgs that develop or deploy energy storage, orgs involved in Engineering, Procurement, & Construction (EPC) of a storage system. Host Site/ Offtakers: State energy offices, Tribes & Tribal orgs, utilities, other orgs that could benefit from the services provided by an energy storage system
Grant Information & How to Apply: https://www.fedconnect.net/FedConnect/default.aspx?ReturnUrl=%2fFedConnect%2f%3fagency%3dDOE%26do c%3dDE-FOA-0003035%26utm_medium%3demail%26utm_source%3dgo vd eliv ery&agency=DOE&doc=DE-FOA-0003035&utm_medium=email&utm_source=go vd eliv ery	

Key Federal Contact(s):

TBD

Description:

To facilitate the large-scale commercial development and deployment of grid-scale lithium and redox- flow batteries

Example Project(s):

Areas of Interest: Long Cycle Life, Lithium Grid-Scale Battery Energy Storage Systems; Redox Flow Grid- Scale Battery Energy Storage Systems

Notes:

TBD

Greenhouse Gas Reduction Fund, Solar for All Competition

Open Date:

Jun-23

Important Dates:

_ Notifications of Intent to apply are due by:
_ July 31, 2023 for States
_ August 14, 2023 for municipalities & nonprofits
_ August 28, 2023 for Tribes
_ Full applications are due September 26th, 2023

Federal \$ Available (\$Thousands):

\$7,000,000

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

To benefit low-income and disadvantaged communities

Eligible Entities:

States, municipalities, Tribal governments, & eligible non-profit recipients

Grant Information & How to Apply:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=348957>

Key Federal Contact(s):

ggrf@epa.gov

Description:

To expand the number of low-income and disadvantaged communities that are primed for residential & community solar investment

Example Project(s):

To provide up to 60 grants to States, Tribal governments, municipalities, and nonprofits to expand the number of low-income and disadvantaged communities that are primed for residential and community solar investment—enabling millions of families to access affordable, resilient, and clean solar energy

Notes:

_Grants. Available through 9/30/2024. New program

Defense Production Act

Open Date:

Apr-23

Important Dates:

_FOA for heat pumps: 4/18/2023
_Concept Papers for heat pumps due: 5/19/2023
_Full Applications for heat pumps due: 8/01/2023

Federal \$ Available (\$Thousands):

\$500,000

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

TBD

Eligible Entities:

Open/ unrestricted to Individuals, Institutions of higher education; For-profit entities; Non-profit entities; State and local governmental entities, and tribal nations

Grant Information & How to Apply:

<https://infrastructure-exchange.energy.gov/Default.aspx#Foald76f24bfe-e18d-42b3-83d0-377e97210cc1>

Key Federal Contact(s):

RFI Comments: dpaheatpump@energy.gov

Description:

Enhanced use of Defense Production Act of 1950

Example Project(s):

Various Presidential authorities related to the domestic industrial base to ensure national defense. Presidential determination of technologies covered include transformers & critical electric grid components, solar photovoltaics; insulation materials; electrolyzers, platinum group metals, & fuel cells for clean hydrogen; & electric heat pumps

Notes:

_ \$250M from IRA for heat pumps: <https://www.energy.gov/articles/biden-harris-administration-announces-250-million-investment-inflation-reduction-act>

Energy Improvement in Rural or Remote Areas

Open Date:

Mar-23

Important Dates:

_ Program rollout March 1, 2023 (3 programs: 1) Energizing Rural Communities, 2) Regular Program & 3) Community-based Energy Projects)
_ Deadlines for programs 1 & 2 already passed
_ Program 3: Community-based Energy Project Pre-Apps due 7/13/23
_ Program 3: Community-based Energy Project Apps due 10/12/23

Federal \$ Available (\$Thousands):

\$1,000,000

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

Industry Partners, Utilities, National Laboratories, Universities, State and Local Governments, Community Based Organizations, Tribal, and Environmental Groups

Eligible Entities:

Industry Partners, Utilities, National Laboratories, Universities, State and Local Governments, Community Based Organizations, Tribal, and Environmental Groups

Grant Information & How to Apply:

<https://www.energy.gov/bil/energy-improvement-rural-or-remote-areas>

Key Federal Contact(s):

_ Office of Clean Energy Demonstrations DL-OCED-Engagement@hq.doe.gov

Description:

To provide financial assistance to increase environmental protection from the impacts of energy use & improve resilience, reliability, safety, & availability of energy in rural or remote areas of the United States.

Example Project(s):

Cost-effectiveness of energy generation, transmission, or distribution systems; siting or upgrading transmission and distribution lines; reducing greenhouse gas emissions from energy generation by rural or remote areas; (D) providing or modernizing electric generation facilities; developing microgrids; & increasing energy efficiency

Notes:

_ Watch program conference video here: https://www.youtube.com/watch?v=whJS_B6gVbA

Grid Modernization Initiative

Open Date:

Apr-23

Important Dates:

_ Lab Call released April 25, 2023

_ Concepts Submission Deadline June 5, 2023

_ Concept Presentations June 14, 2023

_ Full proposal due July 24, 2023

_ Full Proposal Presentations August 2, 2023

_ Selection Announcement by August 15, 2023

Federal \$ Available (\$Thousands):

\$38,000

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

National laboratories. Academia & industry can participate as team members. Industry partners include: an investor owned utility, electric cooperative, public power, regional planning entity, ISO/RTO, etc

Eligible Entities:

National laboratories

Grant Information & How to Apply:

<https://www.energy.gov/gmi/articles/doe-announces-38-million-modernize-electricity-grid>

Key Federal Contact(s):

TBD

Description:

To advance key R&D needed to build a grid that can deliver resilient, reliable, flexible, secure, sustainable, affordable, & equitable electricity

Example Project(s):

Topic Areas: Power & Controls Electronics, Cybersecurity for Architectures, Standards, & Practices, Quantum Facilities for Computing, Sensing, & Security, Equitable System Operation & Planning, Climate Impact on Energy Resources

Notes:

Informational Webinar scheduled for May 15
<https://www.energy.gov/gmi/grid-modernization-initiative>

Energy Efficiency Materials Pilot Program (Nonprofit Energy Efficiency or Renew America's Nonprofits)

Open Date:

May-23

Important Dates:

_Program rollout: 5/24/23
 _Submission deadline for letter of intent (not required): June 29, 2023
 _Submission deadline for full applications: August 3, 2023
 _Anticipated date of award announcements for prime recipients: October 6, 2023

Federal \$ Available (\$Thousands):

\$50,000

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

Nonprofits

Eligible Entities:

Non-Profit Organizations

Grant Information & How to Apply:

<https://www.energy.gov/scep/renew-americas-nonprofits>

Key Federal Contact(s):

Nonprofits@doe.gov

Description:

To provide grants to supply nonprofit buildings with energy-efficiency materials

Example Project(s):

To provide non-profits with energy efficiency materials including a roof or lighting system or component of the system; a window; a door, including a security door; and a heating, ventilation, or air conditioning system or component of the system (including insulation and wiring and plumbing improvements needed to serve a more efficient system)

Notes:

_Notice of Intent for FY23 BIL Renew America's Nonprofits released:
<https://www.grants.gov/web/grants/view-opportunity.html?oppld=347446>

Industrial Decarbonization and Emissions Reduction Demonstration-to-Deployment (Advanced Industrial Facilities Deployment Program)

Open Date:

Mar-23

Important Dates:

_Funding Opportunity Announcement Issue Date:
03/08/2023
 _Submission Deadline for Concept Papers: 04/21/2023
 _Submission Deadline for Applications: 08/04/2023

Federal \$ Available (\$Thousands):

\$6,800,000

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

Technology Developers, Industry, Manufacturers, Universities, National Laboratories, Engineering & Construction firms, State & Local Governments, Environmental Groups, & Community Based Organizations

Eligible Entities:

Technology Developers, Industry, Manufacturers, Universities, National Laboratories, Engineering and Construction firms, State and Local Governments, Environmental Groups, and Community Based Organizations. Owner or operator of a nonpower, energy-intensive industrial or manufacturing facility

Grant Information & How to Apply:

<https://oced-exchange.energy.gov/Default.aspx#Foald3d36f88c-0527-4539-b90b-41895ad5edb2>

Key Federal Contact(s):

OCED_Industrial@hq.doe.gov
DL-OCED-Engagement@hq.doe.gov

Description:

Projects aimed at reducing emissions from energy intensive industries. Prioritizes projects with greatest GHG reduction benefit & greatest benefit to largest number of people at facility location. To fund demonstration projects that test and validate technologies that reduce industrial emissions

Example Project(s):

Specific industrial production technologies & processes that achieve emissions reductions. Engineering, retrofits, upgrades, improvements, purchase, installation or implementation of advanced industrial technology to reduce emissions. Includes iron, steel, concrete, glass, pulp, paper, ceramics, and chemical production

Notes:

Available through 9/30/2026.

Vehicle Technologies Office Program-wide Funding

Open Date:

May-23

Important Dates:

_ Program rollout May 2023
_ Concept Paper Submission Deadline: 6/26/2023
_ Full Application Submission Deadline: 8/11/2023

Federal \$ Available (\$Thousands):

\$186,200

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

Open to Individuals, Institutions of higher education, For-profit entities, Non-profit entities & State, local, & Tribal Nations. At the State level ADOA, Office of Resiliency or ACA could potentially be assigned, but are not required to administer grant.

Eligible Entities:

Open to Individuals, Institutions of higher education, For-profit entities, Non-profit entities & State, local, & Tribal Nations

Grant Information & How to Apply:

<https://eere-exchange.energy.gov/Default.aspx#FoalDa9a59972-6e45-4e62-aa45-7fa07d2c7ced>

Key Federal Contact(s):

_ jessica.adams@netl.doe.gov

_ Question related to FOA should be submitted to DE-FOA-0002611@netl.doe.gov no later than 3 business days before the application due date

Description:

To provide better, cleaner affordable mobility options. Specifically, this funding seeks innovative solutions for on-road & off-road vehicles to develop & accelerate the charging infrastructure & drastically reduced GHG emissions

Example Project(s):

Cost-effective deployment of EV charging for those without easy home charging; to improve mobility options for underserved communities; community engagement to accelerate clean transportation options in underserved communities; batteries & electrification; materials technologies; energy- efficient commercial off-road vehicle technologies; medium/heavy duty vehicle corridor charging & advanced engine & fuel technologies to improve fuel economy & reduce GHG emissions

Notes:

RFI for FY23 Grants: <https://eere-exchange.energy.gov/Default.aspx#Foald8ac4a3fd-663d-4409-9f94-3e104ec4c0d3>

Rural Energy for America Program (REAP)

Open Date:

Nov-21

Important Dates:

_ Program rollout November 22, 2021
_ Energy Audit & Renewable Energy Development Assistance (EA/REDA) apps due 1/31/2024
_ Renewable Energy Systems & Energy Efficiency Improvement (RES/EEI) apps due at the end of each quarter (3/31, 6/30, 9/30, 12/31)
_ Applications for \$21 million in grants for organizations (businesses, institutions of higher education, nonprofits or governments) to provide technical assistance to farmers & rural businesses due 8/15/2023

Federal \$ Available (\$Thousands):

\$2,025,450

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

Rural small businesses, agricultural producers

Eligible Entities:

For RES/EEI grants & guaranteed loans: agricultural producers or rural small businesses. For EA or REDA: State, tribal, & local governments; institutions of higher education; rural electric cooperatives or public power entities; councils

Grant Information & How to Apply:

<https://www.rd.usda.gov/inflation-reduction-act/rural-energy-america-program-reap>

Key Federal Contact(s):

_Jessie Huff, USDA: (602) 280-8767, jessie.huff@usda.gov

Description:

To provide guaranteed loan financing & grant funding to agricultural producers & rural small businesses to develop energy efficiency & renewables.

Example Project(s):

Renewable energy systems, energy efficiency improvements, hydrogen & fuel cell technologies, underutilized renewable energy technologies, energy audits, renewable energy technical assistance, renewable energy site assessments & installation. Focus on helping rural communities recover economically through more/ better market opportunities & improved infrastructure, reducing climate pollution & increasing resilience to impacts of climate change, conserving & protecting farmland, & investing in underserved communities

Notes:

Grants. Available through 9/30/2031: <https://www.rd.usda.gov/inflation-reduction-act#fn>

Consumer Electronics Battery Recycling, Reprocessing, and Battery Collection

Open Date:

Jun-23

Important Dates:

_Submission Deadline for Concept Papers: 08/17/23
_Submission Deadline for Full Applications: 11/29/23

Federal \$ Available (\$Thousands):

\$125,000

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

TBD

Eligible Entities:

_Individuals; Institutions of higher education; For-profit entities; Non-profit entities; State and local governmental entities, & Tribal Nations eligible

Grant Information & How to Apply:

<https://eere-exchange.energy.gov/Default.aspx#Foalda8ec241a-751b-4856-a61f-461ac1238958>

Key Federal Contact(s):

DE-FOA-0002897@netl.doe.gov

Description:

Develop recycling programs for consumer electronic batteries (that contain critical minerals) that can help immediately support a domestic battery supply chain

Example Project(s):

Campaigns to increase consumer participation in battery recycling, improve economics of recycling electronics batteries, assist states and local governments in establishing or enhancing battery collection, recycling, & reprocessing programs, help retailers implement programs to collect, sort, store, and transport consumer electronics batteries

Notes:

TBD

Clean School Bus Program

Open Date:

Apr-23

Important Dates:

_ Monday, April 24, 2023 (2023) Notice of Funding Opportunity (NOFO) Opens
_ Tuesday, August 22, 2023 NOFO Closes – Application Deadline
_ November 2023 to January 2024 Anticipated Notification of Selection

Federal \$ Available (\$Thousands):

\$5,000,000

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

Local Education Agencies (LEA's)
(i.e. school districts, charter schools)

Eligible Entities:

Local or state governmental entities; eligible contractors; nonprofit school transportation associations; Indian tribes

Grant Information & How to Apply:

<https://www.epa.gov/cleanschoolbus>

Key Federal Contact(s):

_ Comments on the program can be submitted to cleanschoolbus@epa.gov.

Description:

50% of funds are for zero-emission school buses, and 50% for either alternative fuels or zero-emission school buses. Funds may be prioritized for rural or low-income communities and entities that have matching funds available. Covers up to 100% of the costs for the replacement of the bus

Example Project(s):

50% of funds are for zero-emission school buses, and 50% for either alternative fuels or zero-emission school buses. Funds may be prioritized for rural or low-income communities and entities that have matching funds available. Covers up to 100% of the costs for the replacement of the bus

Notes:

- _ Due to high demand, EPA increased available funding for 1st round funding to \$965 million_
- _ Clean School Bus Annual Report to Congress due from EPA on January 31 each year

Ride and Drive Electric

Open Date:

May-23

Important Dates:

- _ Program rollout May 18, 2023
- _ Concept papers due June 16, 2023
- _ Full applications deadline extended to August 25, 2023

Federal \$ Available (\$Thousands):

\$51,000

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

Institutions of higher education; For-profit entities; Nonprofit entities; & State & local governmental entities, & Indian tribes

Eligible Entities:

Institutions of higher education; For-profit entities; Nonprofit entities; & State & local governmental entities, & Indian tribes

Grant Information & How to Apply:

<https://eere-exchange.energy.gov/Default.aspx#Foald0b80a42a-5380-4459-96a9-f333002ea9b0>

Key Federal Contact(s):

DE-FOA-0002881@netl.doe.gov

Description:

To addressing discrete challenges to a convenient, affordable, reliable, secure, & equitable electric vehicle (EV) charging network by enhancing institutional capacity, encouraging holistic approaches, fostering inclusive and equitable outcomes, and ensuring a world-class customer experience

Example Project(s):

Areas of interest: Enhancing EV Charging Resiliency, Equitable Access & Opportunity in Electrification (Community-Driven Models for Electric Vehicle Charging Deployment & Workforce Development), Improving EV Charging Performance & Reliability (Increasing Commercial Capacity for Testing & Certification of High-Power Electric Vehicle Chargers & Validating High-Power EV Charger Real-World Performance & Reliability)

Notes:

TBD

Diesel Emission Reduction Act, DERA (Air Pollution Reduction Investments, Diesel/ movement of goods emissions reductions))

Open Date:

TBD

Important Dates:

_EPA anticipates NOFO for 2023 program will open early 2023:
<https://www.epa.gov/dera/national>

Federal \$ Available (\$Thousands):

\$60,000

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

TBD

Eligible Entities:

Regional, state, local, or tribal transportation or air quality agency; qualifying nonprofit organization or institution; or qualifying private individual/ entity (defined by Energy Policy Act of 2005, 42 U.S.C. § 16132)

Grant Information & How to Apply:

<https://www.epa.gov/dera>

Key Federal Contact(s):

TBD

Description:

To identify & reduce diesel emissions resulting from goods movement facilities & vehicles servicing goods movement facilities, in low-income & disadvantaged communities to address the health impacts of such emissions on such communities.

Example Project(s):

Eligible equipment includes: School buses, Class 5–8 heavy-duty highway vehicles, Locomotive engines, Marine engines, Nonroad engines, equipment or vehicles used in construction, handling of cargo (including at ports or airports), agriculture, mining or energy production (including stationary generators and pumps). Eligible projects include: EPA verified technologies or certified engine configurations, California Air Resources Board (CARB) verified technologies or certified engines, Idle- reduction technologies that are EPA verified, Aerodynamic technologies and low rolling resistance tires that are EPA verified Early engine, vehicle, or equipment replacements with certified engine configurations

Notes:

Grants. Available through 9/30/2031. <https://www.epa.gov/inflation-reduction-act/delivering-cleaner-air>

Empowering Rural America (New ERA) Rural Electric Cooperative Loans

Open Date:

May-23

Important Dates:

_Program rollout May 2023

_To apply, eligible entities must submit a Letter of Interest between July 31 and Aug. 31, 2023

Federal \$ Available (\$Thousands):

\$9,700,000

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

See eligible entities

Eligible Entities:

Existing or former USDA Rural Utilities Service (RUS) borrowers, Borrowers of the former Rural Electrification Administration, Rural electric cooperatives that serve predominantly rural areas, Wholly or jointly owned subsidiaries of rural electric cooperatives

Grant Information & How to Apply:

<https://www.rd.usda.gov/programs-services/electric-programs/empowering-rural-america-new-era-program>

Key Federal Contact(s):

Larry McGraw

Larry.McGraw@usda.gov

Voice: (505) 892-0353

Cell Phone: (505) 235-6312

Fax: (505) 892-0053

SM.RD.RUS.IRA.Questions@usda.gov

Description:

USDA assistance for rural electric cooperatives to reduce GHG emissions & improve resiliency, reliability, and affordability of rural electric systems

Example Project(s):

For purchase of renewable energy or systems, zero-emission systems, & carbon capture & storage systems, to deploy such systems, or to make energy efficiency improvements to electric generation & transmission systems

Notes:

Available through 9/30/2031. Recorded Webinar (November 2, 2022):

https://www.youtube.com/watch?v=g-Gvp_vKhs

EV Manufacturing/ Retooling Grants (Domestic Manufacturing Conversion Grants)

Open Date:

TBD

Important Dates:

_MESC plans to issue the FOA on or about August 2023

Federal \$ Available (\$Thousands):

\$2,000,000

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

Recipients should be conducting manufacturing for eligible vehicle types. (small businesses, businesses [other than small businesses], and/or Individuals).

Eligible Entities:

Automobile manufacturers, suppliers, hybrid component manufacturers

Grant Information & How to Apply:

<https://www.energy.gov/mesc/domestic-manufacturing-conversion-grants>

Key Federal Contact(s):

MEESC@hq.doe.gov

Description:

Domestic manufacturing conversion grants

Example Project(s):

For retooling of existing domestic capabilities to promote production of efficient hybrid, plug-in electric hybrid, plug-in electric drive & hydrogen fuel cell electric vehicles.

Notes:

Notice of Intent: <https://infrastructure-exchange.energy.gov/Default.aspx#Foald7eb079e8-2fc9-4e20-b44d-6e2ae78985ee>

Clean Energy Demonstration Program on Current and Former Mine Land

Open Date:

Apr-23

Important Dates:

_ FOA Announcement: April 3, 2023
_ Concept Papers Due: May 11, 2023
_ Applications due: August 31, 2023

Federal \$ Available (\$Thousands):

\$500,000

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

Institutions of higher education, nonprofits, for-profit entities, Tribes, states, local governments, consortiums

Eligible Entities:

Institutions of higher education, nonprofits, for-profit entities, Tribes, states, local governments, consortiums

Grant Information & How to Apply:

<https://www.energy.gov/bil/clean-energy-demonstration-program-current-and-former-mine-land>

Key Federal Contact(s):

_ Clean Energy Demonstrations on Former Mine Land mineland@hq.doe.gov _ Office of Clean Energy Demonstrations DL-OCED-Engagement@hq.doe.gov

Description:

To establish a program to demonstrate the technical & economic viability of carrying out clean energy projects on current & former mine land

Example Project(s):

Solar, micro-grids, geothermal, direct air capture, fossil-fueled electricity generation with carbon capture, utilization, & sequestration, energy storage, including pumped storage hydropower & compressed air storage, advanced nuclear technologies

Notes:

Webinar slides & recording available here: <https://oced-exchange.energy.gov/Default.aspx#Foald2461a5fb-be76-4b89-90c1-8673e138f290>

Advance Domestic Supply Chain for Critical Materials (Front-End Engineering Design Studies for Production of Critical Minerals and Materials from Coal-Based Resources)

Open Date:

Jul-23

Important Dates:

_FOA Issue Date: 07/13/2023

_Submission Deadline for Full Applications: 09/11/2023

Federal \$ Available (\$Thousands):

\$32,000

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

TBD

Eligible Entities:

Institutions of higher education; For-profit entities; Non-profit entities; and State and local governmental entities, and Tribal Nations

Grant Information & How to Apply:

https://www.fedconnect.net/FedConnect/default.aspx?ReturnUrl=%2ffedconnect%3fagency%3dDOE%26doc%3dDE-FOA-0002854%26utm_medium%3demail%26utm_source%3dgovdelivery&agency=DOE&doc=DE-FOA-0002854&utm_medium=email&utm_source=govdelivery

Key Federal Contact(s):

Questions regarding the FOA must be submitted through & answers will be posted to the FedConnect portal @ <https://www.FedConnect.net>

Description:

Supporting front-end engineering design (FEED) studies to produce rare earth elements (REEs) and other critical minerals and materials (CMMs) from domestic coal-based resources

Example Project(s):

Detailed engineering & cost studies for specific facilities from real-world feedstocks, that will identify risks, costs, & plans for projects to develop technologies that produce REEs and other CMMs from domestic coal-based resources & associated by-products, such as coal ash, mine waste, & acid mine drainage

Notes:

TBD

Underserved and Indigenous Community Microgrids

Open Date:

Jul-23

Important Dates:

_ FOA Issue Date: 7/18/2023

_ Submission Deadline for Full Applications: 9/15/2023

Federal \$ Available (\$Thousands):

\$14,700

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

TBD

Eligible Entities:

Indigenous communities. Other groups of individuals, households & businesses in geographic proximity to one another that meet the following criteria:

_ 30% of the community population is classified as low income

_ Median spending of household income on energy bills $\geq$ 6%

Grant Information & How to Apply:

https://www.fedconnect.net/FedConnect/default.aspx?ReturnUrl=%2Ffedconnect%2F%3Fdoc%3DDE-FOA-0002934%26agency%3DDOE&agency=DOE&doc=DE-FOA-0002934&utm_medium=email&utm_source=govdelivery

Key Federal Contact(s):

Lisa Simon-Parker: Lisa.SimonParker@netl.doe.gov

Description:

Coordinated R&D of microgrid-related technologies, with a focus on underserved and Indigenous communities

Example Project(s):

Research on development & deployment of advanced microgrid-enabling technologies, including renewable generation & storage systems, multi-nodal small-scale high-voltage direct current, advanced demand-side management strategies, & microgrid control systems

Notes:

<https://www.energy.gov/indianenergy/current-funding-opportunities>

Silicon Solar Manufacturing, and Dual-use Photovoltaics Incubator

Open Date:

Jul-23

Important Dates:

_ Concept papers due Sept 27, 2023
_ Full applications due November 14, 2023

Federal \$ Available (\$Thousands):

\$45,000

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

Institutions of higher education; For-profit entities; Non-profit entities; & State & local governmental entities, & Tribal Nations

Eligible Entities:

Open to institutions of higher education; For-profit entities; Non-profit entities; and State and local governmental entities, & tribal nations.

Grant Information & How to Apply:

<https://www.energy.gov/eere/solar/articles/funding-notice-bipartisan-infrastructure-law-silicon-solar-manufacturing-and>

Key Federal Contact(s):

solar.manufacturing@ee.doe.gov

Description:

To enable continued solar cost reductions while developing next-generation solar technologies & boosting American solar manufacturing by increasing the manufacturing of silicon photovoltaics (PV) throughout the supply chain & accelerating development of hardware for dual-use PV systems

Example Project(s):

Focus on innovative products or solutions that can increase the manufacturing of silicon photovoltaics (PV) throughout the supply chain and accelerating development of hardware for dual-use PV systems in the co-location of agriculture & PV (agrivoltaics), floating PV, vehicle-integrated PV, & building- integrated PV

Notes:

TBD

Powering Affordable Clean Energy (PACE) Rural Renewable Energy Loans

Open Date:

Jul-23

Important Dates:

USDA will begin accepting Letters of Interest starting on July 10, 2023, on a rolling basis until Sept. 29, 2023

Federal \$ Available (\$Thousands): \$1,000,000	AZ \$ Available (\$Thousands): TBD
Recipient(s): See eligible entities	Eligible Entities: Corporations, states & their subdivisions & agencies, Municipalities, Utility districts, Cooperatives, Nonprofits, Indian Tribes, regional, or village corporations, Limited Liability Companies or other for-profit entities (that generate electricity for resale)
Grant Information & How to Apply: https://www.rd.usda.gov/programs-services/electric-programs/powering-affordable-clean-energy-pace-program	
Key Federal Contact(s): SM.RD.RUS.IRA.Questions@usda.gov	
Description: Additional funding for electric loans for renewable energy. At least 50 percent of the population served by a renewable energy project must live in communities with populations of 20,000 or fewer.	
Example Project(s): Renewable electric energy generation & storage. Includes solar, wind, hydropower, biomass or geothermal sources	
Notes: Available through 9/30/2031	

Energy Future Grants (FY22 & FY23)	
Open Date: Jul-23	Important Dates: _FOA Issue Date: 07/20/2023 _Submission Deadline for Full Applications: 09/30/2023
Federal \$ Available (\$Thousands): \$47,000	AZ \$ Available (\$Thousands): TBD

Recipient(s): Low income & disadvantaged communities	Eligible Entities: Partnerships of states, locals & Tribes in partnership with community-based organizations, academia, utility companies, & nonprofit organizations
Grant Information & How to Apply: https://infrastructure-exchange.energy.gov/Default.aspx#Foald21871a75-34ec-4ebb-93dd-0e2dd7bcf126	
Key Federal Contact(s): Energyfuturegrants@hq.doe.gov	
Description: To address barriers preventing low-income and disadvantaged communities from realizing the benefits of clean energy.	
Example Project(s): To support partnerships between jurisdictions that may also partner with community-based organizations, academia, utility companies, & nonprofit organizations to address barriers preventing low-income and disadvantaged communities from realizing the benefits of clean energy.	
Notes: TBD	

Clean Energy Loan Guarantees (Title 17 Loan Authority)	
Open Date: Apr-22	Important Dates: Solicitation Open as of April 2022: https://www.energy.gov/lpo/articles/innovative-clean-energy-loan-guarantee-solicitation-current

Federal \$ Available (\$Thousands): \$3.6 billion (plus \$40 billion in loan guarantee authority)	AZ \$ Available (\$Thousands): TBD
Recipient(s): For projects that employ new or significantly improved technology that avoid, reduces, or sequesters anthropogenic emissions of greenhouse gasses or air pollutants	Eligible Entities: States, Counties, Cities / Townships, Special Districts, Tribal Governments, Independent School Districts, Public Higher-Ed Institutions, Private Higher-Ed Institutions, Public Housing Authorities, Indian Housing Authorities, Nonprofits, Businesses
Grant Information & How to Apply: https://www.energy.gov/lpo/loan-programs-office	
Key Federal Contact(s): Contact LPO to request a pre-application consultation by emailing lpo@hq.doe.gov , (202) 586-8336	
Description: Funding for Department of Energy Loan Programs Office	
Example Project(s): For projects that avoid, reduce or sequester air pollutants or greenhouse gas emissions & employ new or improved technologies	
Notes: Available through 9/30/2026	

Advanced Technology Vehicle Manufacturing (ATVM)	
Open Date: May-19	Important Dates: _Pre-existing program prior to IRA, LPO accepts ATVM applications at any time
Federal \$ Available (\$Thousands): \$3,000,000	AZ \$ Available (\$Thousands): TBD

Recipient(s): TBD	Eligible Entities: Automobile manufacturing & engineering facilities in the U.S.
Grant Information & How to Apply: https://www.energy.gov/lpo/advanced-technology-vehicles-manufacturing-loan-program	
Key Federal Contact(s): Email atvmloan@hq.doe.gov to request a consultation with an LPO staff member	
Description: Advanced Vehicles Technology Manufacturing Loans	
Example Project(s): Direct loans to reequip, expand or establish a manufacturing facility to produce low or zero-emission vehicles. Engineering integration of qualifying vehicles, ultra efficient vehicles & qualifying components	
Notes: Available through 9/30/2028. Eliminates \$25B loan authority cap	

Affordable Housing Resilience and Efficiency Investments (Green & Resilient Retrofit Program)	
Open Date: May-23	Important Dates: _Applications opened on May 11, 2023 and are accepted on a rolling basis: https://www.hud.gov/sites/dfiles/OCHCO/documents/2023-05hsgn.pdf
Federal \$ Available (\$Thousands): \$837,500	AZ \$ Available (\$Thousands): TBD
Recipient(s): Includes properties assisted under Housing for the Elderly; Housing for Persons with Disabilities;	Eligible Entities: Owners or sponsors of specified government- assisted housing
Grant Information & How to Apply: https://www.hud.gov/sites/dfiles/OCHCO/documents/2023-05hsgn.pdf	

Key Federal Contact(s):

Submit comments to RFI to portal @
<https://www.regulations.gov>

Description:

Improving energy efficiency or water efficiency or climate resilience of affordable housing. Retrofit HUD-administered affordable housing to increase energy & water efficiency, electrify homes.

Example Project(s):

Grants & loans to improve energy or water efficiency, enhance indoor air quality or sustainability, implement the use of zero-emission electricity generation, low-emission building materials or processes, energy storage or building electrification strategies or address climate resilience of an eligible property

Notes:

Grants. Available through 9/30/2028. New program
https://www.hud.gov/program_offices/housing/mfh

Methane Reduction Investments

Open Date:

TBD

Important Dates:

_NETL anticipates issue application documents in August 2023 with an application availability period of 30 days

Federal \$ Available (\$Thousands):

\$1,550,000

AZ \$ Available (\$Thousands):

TBD

Recipient(s):

For facilities, well operators, air pollution control agencies, other public or nonprofit private agencies, institutions, and organizations, and individuals

Eligible Entities:

Well owners and operators; Air pollution control agencies (states, territories, locals, and tribes); other public or nonprofit private agencies, institutions, and organizations, individuals; potential others. Only state governments eligible for first round "IRA: Mitigating Emissions from Marginal Conventional Wells"

Grant Information & How to Apply:

https://www.grants.gov/web/grants/view-opportunity.html?oppld=349508&utm_medium=email&utm_source=govdeli
[very](#)

Key Federal Contact(s):

If you have further questions, please reach out to IRASTakeholders@epa.gov.
Questions can also be addressed via email to MERP@epa.gov

Description:

To fund air pollution monitoring & reporting, community and oil/gas system climate resilience, shutting in and plugging wells, mitigating health effects in low-income/disadvantaged communities

Example Project(s):

Climate resiliency of communities & petroleum & natural gas systems. Innovation & industrial equipment & processes that reduce emissions & waste. Permanently shutting in & plugging wells. Mitigating health effects of emissions, & legacy air pollution from petroleum & natural gas systems in low-income & disadvantaged communities. Supporting environmental restoration

Notes:

- _ Available through 9/30/2028. New program.
- _ Establishes max annual methane waste emission rate of 25k/ metric tons of CO₂e (vented, released, or flared) for a facility & imposes penalty charges starting at \$900/ton in 2024 & increasing to \$1,500/ton by 2026
- _ \$700M is for activities at marginal conventional wells
- _ In partnership between EPA and DOE: https://www.energy.gov/fecm/articles/epa-and-doe-announce-partnership-provide-more-1-billion-reduce-methane-emissions-oil?utm_medium=email&utm_source=govdelivery

Greenhouse Gas Reduction Fund: Clean Communities Investment Accelerator competition

Open Date:

Jul-23

Important Dates:

_Applications due October 12, 2023

Federal \$ Available (\$Thousands):

\$6,000,000

AZ \$ Available (\$Thousands):

TBD

Recipient(s): Households, small businesses, schools, community institutions in low-income & disadvantaged communities	Eligible Entities: Nonprofits with the plans and capabilities to rapidly build the clean financing capacity of specific networks of public, quasi-public and non-profit community lenders—including community development financial institutions (including Native CDFIs), credit unions, green banks, housing finance agencies, and minority depository institutions
Grant Information & How to Apply: https://www.grants.gov/web/grants/view-opportunity.html?oppld=349233	
Key Federal Contact(s): ggrf@epa.gov	
Description: To ensure that households, small businesses, schools, & community institutions in low-income and disadvantaged communities have access to financing for cost-saving & pollution-reducing clean technology projects	
Example Project(s): To fund two to seven hub nonprofits with the plans and capabilities to rapidly build the clean financing capacity of specific networks of public, quasi-public and non-profit community lenders—including community development financial institutions (including Native CDFIs), credit unions, green banks, housing finance agencies, and minority depository institutions—to ensure that households, small businesses, schools, and community institutions in low-income and disadvantaged communities have access to financing for cost-saving and pollution-reducing clean technology projects	
Notes: Grants. Available through 9/30/2024. New program	

Greenhouse Gas Reduction Fund: National Clean Investment Fund competition	
Open Date: Jul-23	Important Dates: _Applications due October 12, 2023
Federal \$ Available (\$Thousands): \$14,000,000	AZ \$ Available (\$Thousands): TBD

Recipient(s): Businesses, communities, community lenders, and others	Eligible Entities: National nonprofits
Grant Information & How to Apply: https://www.grants.gov/web/grants/view-opportunity.html?opId=349234	
Key Federal Contact(s): ggrf@epa.gov	
Description: Clean technology projects to accelerate our progress towards energy independence and a net-zero economic future	
Example Project(s): To fund two to three national nonprofits that will partner with private capital providers to deliver financing at scale to businesses, communities, community lenders, and others, catalyzing tens of thousands of clean technology projects to accelerate our progress towards energy independence and a net-zero economic future.	
Notes: _ Grants. Available through 9/30/2024. New program	

Environmental Justice Thriving Communities Grantmaking (EJ TCGM) Program	
Open Date: Feb-23	Important Dates: _ \$550M for 2023 EJTCGM rolled out on February 23, 2023 _ EJ Thriving Communities Grantmaking Program applications are extended to June 30, 2023: https://www.epa.gov/environmentaljustice/environmental-justice-thriving-communities-grantmaking-program _ National announcement of EJ TCGM awards October 2023
Federal \$ Available (\$Thousands): \$3,000,000	AZ \$ Available (\$Thousands): TBD

Recipient(s): EJ TCGM subrecipients: CBOs, Tribes, Intertribal consortia, Native American Organizations	Eligible Entities: EJ TCGM: nonprofit Community Based Organisation(s) or partnerships of Community Based Organizations with other Community Based Organizations, Tribes or institutions of higher education
Grant Information & How to Apply: https://www.epa.gov/environmentaljustice/environmental-justice-thriving-communities-grantmaking-program	
Key Federal Contact(s): Capilla.Morgan@epa.gov , Burney.Jacob@epa.gov , Burrell.Omari@epa.gov _Pro-bono technical assistance: https://www.environmentalprotectionnetwork.org/epn-tech-assis-work/ https://www.environmentalprotectionnetwork.org/community-outreach-associates/	
Description: To support air pollution reduction; climate and health risk mitigation; and climate resiliency and adaptation. Awards from this grant will go to 11 selected organizations who will make subawards to nonprofit organizations to begin projects by November 1, 2023.	
Example Project(s): Pollution monitoring, prevention, & remediation. Low & zero-emission resilient technologies & workforce development. Mitigating climate & health risks from urban heat islands, extreme heat, wood heater emissions, & wildfire events. Climate resiliency & adaptation. Reducing indoor air pollution & toxics. Facilitating community engagement in public processes. Technical assistance.	
Notes: TBD	