

## Infrastructure Investment and Jobs Act (IIJA) Arizona Federal Energy and Climate Investments August Snapshot Report

The following are federal energy and climate related grants and opportunities in Arizona for Q2-Q3 (present thru the end of October 2022) as part of the IIJA, to be shared with Technology Developers, Industry, Utilities, Universities, National Laboratories, Engineering and Construction firms, business trade associations, businesses, and more.

<b>Energyshed: Exploring Place-Based Generation (Not an IIJA program)</b>	
<b>Open Date:</b>	<b>Important Dates:</b>
June 2022	<ul style="list-style-type: none"> <li>- Funding Opportunity Announcement released on <b>June 6, 2022</b></li> <li>- Application deadline is <b>August 1, 2022</b></li> <li>- Award negotiation timeframe is expected to be <b>Sept to Nov 2022</b></li> </ul>
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$10,000	TBD
<b>Recipient(s):</b> TBD	<b>Eligible Entities:</b> Open to Individuals, Institutions of higher education, For-profit entities, Non-profit entity & State, local, & Tribal Nations
<p><b>How to Apply:</b> To apply to this FOA, applicants must register with &amp; submit application materials through EERE Exchange by August 1, 2022: <a href="https://eere-Exchange.energy.gov">https://eere-Exchange.energy.gov</a>. Questions about the FOA? Email <a href="mailto:energyshed@ee.doe.gov">energyshed@ee.doe.gov</a>.</p>	
<p><b>Description:</b> Innovative R&amp;D &amp; demonstration (RD&amp;D) projects that accelerate large-scale development &amp; deployment of renewable energy to support an equitable transition to a decarbonized electricity system by 2035 and net-zero emissions economy by 2050.</p> <p><b>Example Project(s):</b></p> <ul style="list-style-type: none"> <li>• Development of easily accessible &amp; user-friendly data assimilation tools, dashboards &amp; other novel applications to help a broad set of stakeholders (i.e. utilities, local governments, and community-based organizations) understand, assess &amp; participate in community-based energy generation</li> </ul> <p><b>Links:</b></p>	

- <https://eere-exchange.energy.gov/Default.aspx#Foald4ef9b609-ec87-4f87-8845-afece98c6a2a>
- <https://www.grants.gov/web/grants/view-opportunity.html?oppld=340927>

<b>Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR)</b>	
<b>Open Date:</b>	<b>Important Dates:</b>
n/a	For FY 2023 Cycle - Topics document released <b>July 11, 2022</b> - Funding Opportunity Announcement Issued: <b>Monday, August 8, 2022</b> - Letter of Intent Due Date: <b>Monday, August 29, 2022</b> - Application Due Date: <b>Tuesday, October 11, 2022</b> - Award Notification Date: <b>Tuesday, January 3, 2023*</b> - Start of Grant Budget Period: <b>Monday, February 13, 2023</b>
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$137,000	TBD
<b>Recipient(s):</b> Small, independent U.S. businesses with not more than 500 employees	<b>Eligible Entities:</b> Small, independent U.S. businesses with not more than 500 employees
<p><b>How to Apply:</b> TBD ; - Contacts vary depending on Topic Area. Contacts can be found in this document for topic areas: <a href="https://science.osti.gov/-/media/sbir/pdf/TechnicalTopics/FY23-Phase-I-Release-1-Combined-TopicsV207152022.pdf">https://science.osti.gov/-/media/sbir/pdf/TechnicalTopics/FY23-Phase-I-Release-1-Combined-TopicsV207152022.pdf</a></p> <p>- For questions about budgets and eligibility: Carl Hebron, (301) 903-5707, <a href="mailto:SBIR-STTR@science.doe.gov">SBIR-STTR@science.doe.gov</a></p>	
<p><b>Description:</b>            To transform DOE-supported science and technology breakthroughs into viable products &amp; services. The awards also support the development of specialized technologies &amp; instruments that aid in scientific discovery</p> <p><b>Example Project(s):</b></p> <ul style="list-style-type: none"> <li>• Covers multiple mission areas, including clean energy, cybersecurity, high energy physics, &amp; nuclear nonproliferation.</li> </ul>	

**Links:**

- [https://www.energy.gov/oe/articles/office-electricity-selects-four-projects-small-business-research-and-development-grants?utm\\_medium=email&utm\\_source=govdelivery](https://www.energy.gov/oe/articles/office-electricity-selects-four-projects-small-business-research-and-development-grants?utm_medium=email&utm_source=govdelivery)
- <https://www.energy.gov/science/articles/department-energy-announces-137-million-small-business-research-and-development>
- <https://science.osti.gov/-/media/sbir/pdf/TechnicalTopics/FY23-Phase-I-Release-1-Combined-TopicsV207152022.pdf>

**National Electric Vehicle Infrastructure (NEVI) Formula Program**

<b>Open Date:</b>	<b>Important Dates:</b>
5/13/2022	State NEVI Plans due to Joint Office of Energy & Transportation by Aug 1, 2022
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$5,000,000	\$76,483.976
<b>Recipient(s):</b> Arizona Department of Transportation	<b>Eligible Entities:</b> States

**How to Apply:** If you have questions about NEVI program guidance, please contact Dawn Horan ([Dawn.M.Horan@dot.gov](mailto:Dawn.M.Horan@dot.gov)) or Gary Jensen ([Gary.Jensen@dot.gov](mailto:Gary.Jensen@dot.gov)).

**Description:** To deploy EV charging infrastructure and network. 10% of funding is for discretionary grants to State and local governments that require additional assistance to strategically deploy EV charging infrastructure. The acquisition and installation of electric vehicle charging infrastructure. Focus on ensuring long-term success of investment, reliability and effectiveness by connecting infrastructure to a data collection network.

**Example Project(s):**

- EV Charging Stations

**Links:**

- [https://www.fhwa.dot.gov/environment/alternative\\_fuel\\_corridors/nominations/2022\\_request\\_for\\_nominations\\_r6.pdf](https://www.fhwa.dot.gov/environment/alternative_fuel_corridors/nominations/2022_request_for_nominations_r6.pdf)
- [https://www.fhwa.dot.gov/environment/alternative\\_fuel\\_corridors/nominations/90d\\_nevi\\_formula\\_program\\_guidance.pdf](https://www.fhwa.dot.gov/environment/alternative_fuel_corridors/nominations/90d_nevi_formula_program_guidance.pdf) <https://www.fhwa.dot.gov/bipartisan-infrastructure-law/evs.cfm> <https://www.fhwa.dot.gov/legsregs/directives/notices/n4510863.cfm> [https://www.fhwa.dot.gov/bipartisan-infrastructure-law/evs\\_5year\\_nevi\\_funding\\_by\\_state.cfm](https://www.fhwa.dot.gov/bipartisan-infrastructure-law/evs_5year_nevi_funding_by_state.cfm)
- <https://azdot.gov/planning/infrastructure-investment-and-jobs-act>

<b>Clean Energy Demonstration Program on Current and Former Mine Land</b>	
<b>Open Date:</b>	<b>Important Dates:</b>
N/A	<ul style="list-style-type: none"> <li>- Request for Information published on June 29, 2022 (see links)</li> <li>- Comments on RFI are due August 15, 2022</li> <li>- Applications estimated to open in 2023</li> </ul>
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$500,000	TBD
<b>Recipient(s):</b> TBD	<b>Eligible Entities:</b> Industry Partners, Project Developers
<p><b>How to Apply:</b> TBD – Clean Energy Demonstrations on Former Mine Land - <a href="mailto:mineland@hq.doe.gov">mineland@hq.doe.gov</a>. Responses to RFI must be submitted electronically to <a href="mailto:mineland@hq.doe.gov">mineland@hq.doe.gov</a> no later than 5:00pm (ET) on 08/15/2022.</p>	
<p><b>Description:</b> To establish a program to demonstrate the technical &amp; economic viability of carrying out clean energy projects on current &amp; former mine land.</p> <p><b>Example Project(s):</b></p> <ul style="list-style-type: none"> <li>• Solar, micro-grids, geothermal, direct air capture, fossil-fueled electricity generation with carbon capture, utilization, &amp; sequestration, energy storage, including pumped storage hydropower &amp; compressed air storage, advanced nuclear technologies</li> </ul> <p><b>Links:</b></p> <ul style="list-style-type: none"> <li>• <a href="https://oced-exchange.energy.gov/Default.aspx#Foaldfc57cda4-4a1d-4680-86c2-e09f4c46169a">https://oced-exchange.energy.gov/Default.aspx#Foaldfc57cda4-4a1d-4680-86c2-e09f4c46169a</a></li> <li>• <a href="https://www.energy.gov/bil/clean-energy-demonstration-program-current-and-former-mine-land">https://www.energy.gov/bil/clean-energy-demonstration-program-current-and-former-mine-land</a></li> </ul>	

<b>Hydroelectric Incentives Program</b>	
<b>Open Date:</b>	<b>Important Dates:</b>
May 2022	- On Tuesday, August 9, 2022, from 1:30 pm to 3:30 pm ET, DOE will hold an informal webinar to

	<p>discuss general feedback from interested parties regarding the content of this RFI. To register for this informational webinar, please sign up at: <a href="https://bit.ly/RFI_HydroIncentiveProgram">https://bit.ly/RFI_HydroIncentiveProgram</a></p> <ul style="list-style-type: none"> <li>- Respondents to RFI may request a 30-minute individual unrecorded discussion with a DOE staff member on the RFI. Request must be made by 5pm on Friday, August 19, 2022</li> <li>- Responses to RFI due on Tuesday, September 6, 2022</li> </ul>
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$753,600	TBD
<b>Recipient(s):</b> TBD	<b>Eligible Entities:</b> Qualified hydroelectric facilities & owners or operators of hydroelectric facilities.
<b>How to Apply:</b> TBD – For responses to this Request for Information - WPTORFI@ee.doe.gov	
<p><b>Description:</b> Incentive payment programs to: 1) support expansion of hydropower energy development at existing dams &amp; impoundments; 2) encourage capital improvements to the efficiency of hydroelectric facilities; and 3) make capital improvements to: a) improve grid resiliency; b) improve dam safety; or c) make environmental improvements.</p> <p><b>Example Project(s):</b></p> <ul style="list-style-type: none"> <li>• Incentive payment for capital are not to exceed 30% of the costs of the applicable improvement &amp; shall not exceed \$5M per facility per fiscal year. In order to qualify for an efficiency improvement grant, project must improve efficiency of the hydroelectric facility by at least 3 percent.</li> </ul> <p><b>Links:</b></p> <ul style="list-style-type: none"> <li>• <a href="https://eere-exchange.energy.gov/Default.aspx#Foald83745958-ab89-469a-aaf4-61655bded35b">https://eere-exchange.energy.gov/Default.aspx#Foald83745958-ab89-469a-aaf4-61655bded35b</a></li> </ul>	

<b>Clean School Bus Program</b>	
<b>Open Date:</b>	<b>Close Date or Application Deadline:</b>
May 2022	EPA accepting applications through Aug 19, 2022
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$5,000,000	TBD

<p><b>Recipient(s):</b> Local Education Agencies (LEA's) (i.e. school districts, charter schools)</p>	<p><b>Eligible Entities:</b> Local or state governmental entities; eligible contractors; nonprofit school transportation associations; Indian tribes</p>
<p><b>How to Apply:</b> TBD – ADEQ is monitoring this grant at State level - Jared Sprunger at <a href="mailto:sprunger.jared@azdeq.gov">sprunger.jared@azdeq.gov</a></p>	
<p><b>Description:</b> 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.</p> <p><b>Example Project(s):</b></p> <ul style="list-style-type: none"> <li>• Zero-emission school bus</li> </ul> <p><b>Links:</b></p> <ul style="list-style-type: none"> <li>• <a href="https://www.epa.gov/system/files/documents/2022-04/2022-csb-rebates-webinar-2022-04-27.pdf">https://www.epa.gov/system/files/documents/2022-04/2022-csb-rebates-webinar-2022-04-27.pdf</a></li> <li>• <a href="https://www.epa.gov/system/files/documents/2022-02/420r22002.pdf">https://www.epa.gov/system/files/documents/2022-02/420r22002.pdf</a></li> <li>• <a href="https://www.epa.gov/cleanschoolbus">https://www.epa.gov/cleanschoolbus</a></li> </ul>	

<p><b>Vehicle Technologies Office Program Wide Funding</b></p>	
<p><b>Open Date:</b></p>	<p><b>Important Dates:</b></p>
<p>July 2022</p>	<ul style="list-style-type: none"> <li>- Funding Opportunity Announcement <b>July 21, 2022</b></li> <li>- Concept paper due date <b>August 25, 2022</b></li> <li>- Expected notification date RE: concept papers <b>October 4, 2022</b></li> <li>- Application deadline <b>November 10, 2022</b></li> <li>- Award notifications &amp; start of award negotiations <b>March 2023</b></li> </ul>
<p><b>Federal \$ Available (\$Thousands):</b></p>	<p><b>AZ \$ Available (\$Thousands):</b></p>
<p>\$96,000</p>	<p>TBD</p>
<p><b>Recipient(s):</b> TBD</p>	<p><b>Eligible Entities:</b> Open to Individuals, Institutions of higher education, For-profit entities, Non-profit entity &amp; State, local, &amp; Tribal Nations</p>

**How to Apply:** Applications must be submitted via EERE Exchange at <https://eere-Exchange.energy.gov>

**Description:**

To providing 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

**Links:**

- <https://eere-exchange.energy.gov/Default.aspx#Foald8cf6d82c-c517-4db4-9bd7-778ba7232f8f>

**Carbon Capture Demonstration Program**

**Open Date:**

n/a

**Important Deadlines:**

- Notice of Intent issued on July 13, 2022
- Comments/question on NOI must be submitted to [CCSdemos@netl.doe.gov](mailto:CCSdemos@netl.doe.gov) no later than July 27, 2022
- OCED anticipates issuing the integrated carbon capture and storage (CCS) demonstrations FOA in August/September 2022

**Federal \$ Available (\$Thousands):**

\$2,537,000

**AZ \$ Available (\$Thousands):**

\$TBD

**Recipient(s):** Electric generation facilities, natural gas electric generation facilities, industrial facilities not purposed for electric generation

**Eligible Entities:** Program will fund 2 projects @ coal electric generation facilities, 2 projects @ natural gas electric generation facilities, & 2 projects @ industrial facilities not purposed for electric generation.

**How to Apply:** TBD - Questions/comments regarding NOI can be submitted to [CCSdemos@netl.doe.gov](mailto:CCSdemos@netl.doe.gov) no later than July 27, 2022

**Description:** To deliver clean energy & industrial decarbonization demonstration projects at scale in partnership with private sector, labor unions, other stakeholders, & communities to launch or accelerate market adoption & deployment of technologies, as part of an equitable transition to a decarbonized energy system & economy.

**Program Uses(s):**

- Commercial-scale demonstration projects of technologies to capture & geologically store CO2 emissions. To fund 2 projects @ coal electric generation facilities, 2 projects @ natural gas electric generation facilities, & 2 projects @ industrial facilities not purposed for electric generation.

**Links:**

- <https://www.grants.gov/web/grants/view-opportunity.html?oppld=342304>
- <https://oced-exchange.energy.gov/Default.aspx#Foald3ec25bcf-a385-4b5a-87d2-2a0b8fa4ca5a>

<b>Regional Clean Hydrogen Hubs</b>	
<b>Open Date:</b>	<b>Close Date or Application Deadline:</b>
n/a	Applications for funding open Summer 2022
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$8,000,000	\$TBD
<b>Recipient(s):</b> N/A (Arizona does not appear to currently be part of a regional hydrogen hub)	<b>Eligible Entities:</b> Technology Developers, Industry, Utilities, Universities, National Laboratories, Engineering and Construction firms, State and Local Governments, Tribal, Environmental Groups, and Community Based Organizations.
<b>How to Apply:</b> TBD	
<b>Description:</b> To support the development of at least 4 regional clean hydrogen hubs to improve clean hydrogen production, processing, delivery, storage, and end use	
<b>Program Uses(s):</b>	
<ul style="list-style-type: none"> <li>• Projects that demonstrate the production, processing, delivery, storage, and end-use of, clean hydrogen through regional clean hydrogen hubs (networks of clean hydrogen</li> </ul>	



producers, potential clean hydrogen consumers, and connective infrastructure located in close proximity).

**Links:**

- Request for Information Announced: <https://eere-exchange.energy.gov/Default.aspx#Foald5d96172f-e9b6-48ff-94ac-5579c3531526>. Applications for funding will open in the Summer of 2022.
- <https://www.energy.gov/bil/regional-clean-hydrogen-hubs>
- <https://eere-exchange.energy.gov/Default.aspx#Foald5d96172f-e9b6-48ff-94ac-5579c3531526>

<b>Long-Duration Energy Storage Demonstration Initiative and Joint Program</b>	
<b>Open Date:</b>	<b>Close Date or Application Deadline:</b>
N/A	Applications estimated to open 3rd quarter 2022.
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$150,000	\$TBD
<b>Recipient(s):</b> N/A (part of a Federal program between DOD & DOE)	<b>Eligible Entities:</b> Technology Developers, Industry, State and Local Governments, Tribal Organizations, Community Based Organizations, National Laboratories, Universities, and Utilities
<b>How to Apply:</b> n/a	
<p><b>Description:</b> To establish a demonstration initiative composed of demonstration projects focused on the development of long-duration energy storage technologies. Projects that demonstrate long-duration energy storage technologies and help new long-duration energy storage technologies become commercially viable.</p> <p><b>Links:</b></p> <ul style="list-style-type: none"> <li>• <a href="https://www.energy.gov/articles/biden-administration-launches-bipartisan-infrastructure-laws-505-million-initiative-boost?utm_medium=email&amp;utm_source=govdelivery">https://www.energy.gov/articles/biden-administration-launches-bipartisan-infrastructure-laws-505-million-initiative-boost?utm_medium=email&amp;utm_source=govdelivery</a></li> <li>• <a href="https://www.energy.gov/long-duration-energy-storage-demonstration-initiative-and-joint-program">https://www.energy.gov/long-duration-energy-storage-demonstration-initiative-and-joint-program</a></li> </ul>	

<b>Industrial Emission Demonstration Projects</b>	
<b>Open Date:</b>	<b>Close Date or Application Deadline:</b>
4/1/2022	Applications estimated to open 2nd quarter 2022
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$500,000	\$TBD
<b>Recipient(s):</b> Application not open yet	<b>Eligible Entities:</b> Technology Developers, Industry, Manufacturers, Universities, National Laboratories, Engineering and Construction firms, State and Local Governments, Environmental Groups, and Community Based Organizations
<b>How to Apply:</b> TBD	
<p><b>Description:</b> To fund demonstration projects that test and validate technologies that reduce industrial emissions. Specific industrial production technologies &amp; processes that achieve emissions reductions.</p> <p><b>Example Project(s):</b></p> <ul style="list-style-type: none"> <li>TBD</li> </ul> <p><b>Links:</b></p> <ul style="list-style-type: none"> <li><a href="https://www.energy.gov/bil/industrial-emission-demonstration-projects">https://www.energy.gov/bil/industrial-emission-demonstration-projects</a></li> </ul>	

<b>Carbon Capture Tech Program 962 Of EPA (Front-End Engineering and Design)</b>	
<b>Open Date:</b>	<b>Close Date or Application Deadline:</b>
4/1/2022	Estimated application opening date, 2nd quarter 2022
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$100,000	\$TBD
<b>Recipient(s):</b> Industry Partner	<b>Eligible Entities:</b> Industry Partner
<b>How to Apply:</b> TBD	

**Description:** For carbon dioxide transport infrastructure necessary to deploy Carbon Capture Utilization and Storage technologies. R&D; large pilot & demonstration projects; a front-end engineering/design program related to program purpose.

**Example Project(s):**

- TBD

**Links:**

- <https://energycommunities.gov/funding-opportunity/front-end-engineering-and-design-program-out-activities-under-carbon-capture-tech-program-962-of-epa-sec-40303/>

**Carbon Storage Validation and Testing & Storage Validation and Testing (Section 40305): Carbon Storage Assurance Facility Enterprise (CarbonSAFE): Phases III, III.5, and IV**

<b>Open Date:</b>	<b>Close Date or Application Deadline:</b>
4/29/2022	Applications estimated to open 2nd quarter 2022 (3rd qtr of FFY22)
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$2,500,000	\$TBD
<b>Recipient(s):</b> Universities	<b>Eligible Entities:</b> Technology Developers, Industry, Utilities, Universities, National Laboratories, Engineering and Construction firms, and State and Local Governments

**How to Apply:** According to DOE, details on how to submit questions and comments will be provided in the FOA, when issued.

**Description:** To establish a program of R&D & demonstration for carbon storage. Development or expansion of multiple stages of commercial large-scale carbon sequestration projects & associated carbon dioxide transport infrastructure,

**Example Project(s):**

- TBD

**Links:**

- <https://www.fedconnect.net/FedConnect/default.aspx?ReturnUrl=%2ffedconnect%3fdoc%3dDE-FOA-0002729%26agency%3dDOE&doc=DE-FOA-0002729&agency=DOE>
- <https://www.energy.gov/bil/carbon-storage-validation-and-testing>

### Four Regional Clean Direct Air Capture Hubs (Carbon Removal)

<b>Open Date:</b>	<b>Close Date or Application Deadline:</b>
4/1/2022	Applications estimated to open 2nd quarter 2022
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$3,500,000	\$TBD
<b>Recipient(s):</b> Arizona State University (Julie Ann Wrigley Global Futures Laboratory, Center for an Arizona Carbon-Neutral Economy)	<b>Eligible Entities:</b> Technology Developers, Industry, Utilities, Universities, National Laboratories, Engineering and Construction firms, State and Local Governments, Tribal, Environmental Groups, and Community Based Organizations
<b>How to Apply:</b> TBD	
<p><b>Description:</b> Funding for the development of 4 regional direct air capture hubs. A regional direct air capture hub with the capacity to capture &amp; sequester, utilize, or sequester &amp; utilize at least 1,000,000 metric tons of carbon dioxide annually.</p> <p><b>Example Project(s):</b></p> <ul style="list-style-type: none"> <li>•</li> </ul> <p><b>Links:</b></p> <ul style="list-style-type: none"> <li>• <a href="https://news.asu.edu/20220512-arizona-impact-arizona-energy-providers-state-universities-join-forces-pursue-carbonneutral">https://news.asu.edu/20220512-arizona-impact-arizona-energy-providers-state-universities-join-forces-pursue-carbonneutral</a></li> <li>• <a href="https://www.energy.gov/bil/four-regional-clean-direct-air-capture-hubs">https://www.energy.gov/bil/four-regional-clean-direct-air-capture-hubs</a></li> </ul>	

<b>Energy Efficiency and Renewable Energy Improvements at Schools</b>	
<b>Open Date:</b>	<b>Close Date or Application Deadline:</b>
5/18/2022	Applications for funding expected to be available fall 2022
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$500,000	\$TBD
<b>Recipient(s):</b> Local Education Agencies (LEA's) (i.e. school districts, charter schools)	<b>Eligible Entities:</b> Consortium of one Local Education Agencies and one or more Schools, nonprofits, businesses, and community partners
<b>How to Apply:</b> Responses to RFI must be submitted electronically to <a href="mailto:SchoolsRFI@ee.doe.gov">SchoolsRFI@ee.doe.gov</a> no later than 5:00pm (ET) on May 18th, 2022	
<p><b>Description:</b> Competitive grants to make energy efficiency, renewable energy, &amp; alternative fueled vehicle improvements at public schools. Energy efficiency (envelope, HVAC, lighting, controls, etc.), ventilation, renewable energy, alternative vehicles, &amp; alternative fuel vehicle infrastructure improvements.</p> <p><b>Example Project(s):</b></p> <ul style="list-style-type: none"> <li>• See above</li> </ul> <p><b>Links:</b></p> <ul style="list-style-type: none"> <li>• <a href="https://eere-exchange.energy.gov/Default.aspx#Foald2f565267-7810-4605-b85b-a48e6ef98708">https://eere-exchange.energy.gov/Default.aspx#Foald2f565267-7810-4605-b85b-a48e6ef98708</a></li> <li>• <a href="https://www.energy.gov/bil/grants-energy-efficiency-and-renewable-energy-improvements-public-school-facilities">https://www.energy.gov/bil/grants-energy-efficiency-and-renewable-energy-improvements-public-school-facilities</a></li> </ul>	

<b>Energy Improvement in Rural or Remote Areas</b>	
<b>Open Date:</b>	<b>Close Date or Application Deadline:</b>
9/1/2022	Applications for funding estimated to open in the Fall of 2022
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$1,000,000	\$TBD

<b>Recipient(s):</b> Local Governments	<b>Eligible Entities:</b> Industry Partners, Utilities, National Laboratories, Universities, State and Local Governments, Community Based Organizations, Tribal, and Environmental Groups
<b>How to Apply:</b> TBD	
<p><b>Description:</b> To provide financial assistance to increase environmental protection from the impacts of energy use &amp; improve resilience, reliability, safety, &amp; availability of energy in rural or remote areas of the United States. 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; &amp; increasing energy efficiency</p> <p><b>Example Project(s):</b></p> <ul style="list-style-type: none"> <li>TBD</li> </ul> <p><b>Links:</b></p> <ul style="list-style-type: none"> <li><a href="https://www.energy.gov/bil/energy-improvement-rural-or-remote-areas">https://www.energy.gov/bil/energy-improvement-rural-or-remote-areas</a></li> </ul>	

<b>Clean Hydrogen Electrolysis</b>	
<b>Open Date:</b>	<b>Close Date or Application Deadline:</b>
n/a	Estimated application opening date, 2nd quarter 2022
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$1,000,000	\$TBD
<b>Recipient(s):</b> Business	<b>Eligible Entities:</b> Industry Partners
<b>How to Apply:</b> TBD	
<p><b>Description:</b> To establish R&amp;D, demonstration, commercialization, &amp; deployment program for purposes of commercialization to improve the efficiency, increase the durability, &amp; reduce the cost of producing clean hydrogen using electrolyzers.</p> <p><b>Program Uses(s):</b></p>	

- To demonstrate technologies that produce clean hydrogen using electrolyzers; & to validate information on the cost, efficiency, durability, & feasibility of commercial deployment

**Links:**

- <https://www.energy.gov/bil/clean-hydrogen-electrolysis-program>

**Clean Hydrogen Manufacturing and Recycling Grants**

<b>Open Date:</b>	<b>Close Date or Application Deadline:</b>
Estimated application opening date, 2nd quarter 2022	TBD
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$500,000	\$TBD
<b>Recipient(s):</b> Business	<b>Eligible Entities:</b> Industry Partners

**How to Apply:** TBD

**Description:** To provide federal financial assistance to advance new clean hydrogen production, processing, delivery, storage, & use equipment manufacturing technologies and techniques.

**Program Uses(s):**

- Improve recovery of raw materials from clean hydrogen technology components & systems; minimize environmental impacts from recovery/disposal; addressing barriers to the R&D, demonstration, and commercialization of disassembly /recycling; develop alternative clean hydrogen technologies & processes; develop strategies to increase consumer acceptance of, & participation in, the recycling of fuel cells

**Links:**

- <https://eere-exchange.energy.gov/Default.aspx#FoalDa1255029-22c4-4c18-9e90-356e92cbb795>

<b>Regional Clean Hydrogen Hubs</b>	
<b>Open Date:</b>	<b>Close Date or Application Deadline:</b>
n/a	Applications for funding open Summer 2022
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$8,000,000	\$TBD
<b>Recipient(s):</b> N/A (Arizona does not appear to currently be part of a regional hydrogen hub)	<b>Eligible Entities:</b> Technology Developers, Industry, Utilities, Universities, National Laboratories, Engineering and Construction firms, State and Local Governments, Tribal, Environmental Groups, and Community Based Organizations.
<b>How to Apply:</b> TBD	
<p><b>Description:</b> To support the development of at least 4 regional clean hydrogen hubs to improve clean hydrogen production, processing, delivery, storage, and end use</p> <p><b>Program Uses(s):</b></p> <ul style="list-style-type: none"> <li>Projects that demonstrate the production, processing, delivery, storage, and end-use of clean hydrogen through regional clean hydrogen hubs (networks of clean hydrogen producers, potential clean hydrogen consumers, and connective infrastructure located in close proximity).</li> </ul> <p><b>Links:</b></p> <ul style="list-style-type: none"> <li>Request for Information Announced: <a href="https://eere-exchange.energy.gov/Default.aspx#Foald5d96172f-e9b6-48ff-94ac-5579c3531526">https://eere-exchange.energy.gov/Default.aspx#Foald5d96172f-e9b6-48ff-94ac-5579c3531526</a>. Applications for funding will open in the Summer of 2022.</li> <li><a href="https://www.energy.gov/bil/regional-clean-hydrogen-hubs">https://www.energy.gov/bil/regional-clean-hydrogen-hubs</a></li> <li><a href="https://eere-exchange.energy.gov/Default.aspx#Foald5d96172f-e9b6-48ff-94ac-5579c3531526">https://eere-exchange.energy.gov/Default.aspx#Foald5d96172f-e9b6-48ff-94ac-5579c3531526</a></li> </ul>	

<b>Advanced Energy Manufacturing and Recycling Grants</b>	
<b>Open Date:</b>	<b>Close Date or Application Deadline:</b>
n/a	Applications for funding expected to open 3rd quarter 2022



<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$750,000	\$TBD
<b>Recipient(s):</b> Businesses	<b>Eligible Entities:</b> Manufacturing Firms: annual revenues < \$100M, employees @ plant site <500, \$100K < annual energy bill <\$2.5M
<b>How to Apply:</b> TBD	
<p><b>Description:</b> Grants to small/medium sized manufacturers to build or retrofit manufacturing &amp; industrial facilities to produce or recycle advanced energy products in communities where coal mines or coal power plants have closed</p> <p><b>Program Uses(s):</b></p> <ul style="list-style-type: none"> <li>To re-equip, expand, or establish a manufacturing or recycling facility for advanced energy technologies; or to re-equip an industrial or manufacturing facility with equipment designed to reduce greenhouse gas emissions.</li> </ul> <p><b>Links:</b></p> <ul style="list-style-type: none"> <li><a href="https://www.energy.gov/bil/advanced-energy-manufacturing-and-recycling-grants">https://www.energy.gov/bil/advanced-energy-manufacturing-and-recycling-grants</a></li> </ul>	

<b>Energy Storage Demonstration and Pilot Grant Program</b>	
<b>Open Date:</b>	<b>Close Date or Application Deadline:</b>
n/a	Applications estimated to opening 3rd quarter 2022
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$355,000	\$TBD
<b>Recipient(s):</b> TBD	<b>Eligible Entities:</b> Technology Developers, Industry, State and Local Governments, Tribal Organizations, Community Based Organizations, National Laboratories, Universities, and Utilities.
<b>How to Apply:</b> TBD	
<b>Description:</b> To enter into agreements to carry out 3 energy storage system demonstration projects.	

**Program Uses(s):**

- Critical infrastructure security, emergency response systems, transmission & distribution system reliability, optimization, quality & longevity. Advance power conversion systems. Ancillary services for grid stability & management. Integration of renewable energy resource production. Increasing microgrids feasibility. Other than electric stored energy to support the natural gas system & industrial processes. Integration of EV fast charging

**Links:**

- <https://www.energy.gov/bil/energy-storage-demonstration-and-pilot-grant-program>

**Long-Duration Energy Storage Demonstration Initiative and Joint Program**

<b>Open Date:</b>	<b>Close Date or Application Deadline:</b>
n/a	Applications estimated to opening 3rd quarter 2022
<b>Federal \$ Available (\$Thousands):</b>	<b>AZ \$ Available (\$Thousands):</b>
\$150,000	\$TBD
<b>Recipient(s):</b> N/A (part of a Federal program between DOD & DOE)	<b>Eligible Entities:</b> Technology Developers, Industry, State and Local Governments, Tribal Organizations, Community Based Organizations, National Laboratories, Universities, and Utilities.

**How to Apply:** TBD

**Description:** To enter into agreements to carry out 3 energy storage system demonstration projects.

**Program Uses(s):**

- Critical infrastructure security, emergency response systems, transmission & distribution system reliability, optimization, quality & longevity. Advance power conversion systems. Ancillary services for grid stability & management. Integration of renewable energy resource production. Increasing microgrids feasibility. Other than electric stored energy to support the natural gas system & industrial processes. Integration of EV fast charging

**Links:**

- [https://www.energy.gov/articles/biden-administration-launches-bipartisan-infrastructure-laws-505-million-initiative-boost?utm\\_medium=email&utm\\_source=govdelivery](https://www.energy.gov/articles/biden-administration-launches-bipartisan-infrastructure-laws-505-million-initiative-boost?utm_medium=email&utm_source=govdelivery)
- <https://www.energy.gov/long-duration-energy-storage-demonstration-initiative-and-joint-program>