

# **BIPARTISAN INFRASTRUCTURE LAW Q3 2022 Grant Forecast**

*August 9, 2022*

**Power A Clean  
Future Ohio**  
LOCAL COMMUNITIES LEADING THE WAY



**INFRASTRUCTURE  
GRANT  
ASSISTANCE  
PROGRAM**





## **WEBINAR GOALS**

- **Help PCFO communities anticipate IIJA funding opportunities in advance**
- **Provide a venue for PCFO communities to brainstorm with each other on project ideas and potential collaboration**
- **Learn what other questions exist for these funding opportunities so that PCFO can provide additional research and assistance**





**Energy  
Improvement in  
Rural or Remote  
Areas**

**CLEAN ENERGY AND POWER**



**Strengthening  
Mobility and  
Revolutionizing  
Transportation  
(SMART) Grants**

**PUBLIC TRANSPORTATION**



**Building Resilient  
Infrastructure  
and  
Communities**

**RESILIENCE**



**Solid Waste  
Infrastructure for  
Recycling**

**OTHER**





# Energy Improvement in Rural or Remote Areas

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Led by the Department of Energy's Office of Clean Energy Demonstrations

### Program Focus

New program to provide financial assistance to improve, in rural or remote areas of the United States, the resilience, safety, reliability, and availability of energy; and environmental protection from adverse impacts of energy generation.

### Eligible Uses

1. Overall cost-effectiveness of energy generation, transmission, or distribution systems;
2. Siting or upgrading transmission and distribution lines;
3. Reducing greenhouse gas emissions from energy generation by rural or remote areas;
4. Providing or modernizing electric generation facilities;
5. Developing microgrids; and
6. Increasing energy efficiency

### Eligible Applicants

Cities, towns, or unincorporated areas with populations of not more than 10,000 inhabitants

## Funding Amount

\$1 billion over FY2022-2026

## Next Anticipated Milestone

Funding Opportunity Announcement (FOA) expected to open in Q3 2022.

### Get Started

- Visit the [Department of Energy Program Page](#)
- Review other related opportunities on the [Rural Opportunity Tour Fact Sheet](#)
- Sign up for [email updates](#) on BIL programs at DOE



## Envisioned Project

### Borrego Springs, CA

**POPULATION: 1,864**



- Challenge Addressed: Extreme weather events (storms and extreme heat) caused loss of power for extended periods of time
- Project: Developed a utility community microgrid that can successfully island
  - Includes 700 kW solar array
  - 575 kW of energy storage
- Success Story: The microgrid islanded 1,056 customers for more than 20 hours during an outage caused by a thunderstorm striking a transmission pole.
  - The microgrid allowed designated cool zone areas to operate, providing shelter from the 115 degree heat and saving lives.





# **Strengthening Mobility and Revolutionizing Transportation (SMART) Grants**

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Led by the US Department of Transportation's Office of the Assistant Secretary for Research and Technology



## **Program Focus**

New program to fund demonstration projects focused on advanced smart city or community technologies and systems

## **Eligible Uses**

DOT has identified eight technology areas:

- 1.Coordinated Automation
- 2.Connected Vehicles
- 3.Intelligent, Sensor-based Infrastructure
- 4.Systems Integration
- 5.Commerce Delivery and Logistics
- 6.Innovative Aviation
- 7.Smart Grid
- 8.Traffic Signals

## **Eligible Applicants**

- 1.A State
- 2.A political subdivision of a State
- 3.A Tribal government
- 4.A public transit agency or authority
- 5.A public toll authority
- 6.A metropolitan planning organization
- 7.A group of 2 or more eligible entities described above



## Funding Amount

\$100 million

## Next Anticipated Milestone

Notice of Funding Opportunity is expected to open in September 2022

### Get Started

- Visit the [Department of Transportation Program Page](#)
- Review webinar notes from "Getting Ready for the Strengthening Mobility and Revolutionizing Transportation (SMART) Grant Program" on the [IGAP website](#) or watch the [webinar recording](#)



## Sample Projects

### COORDINATED AUTOMATION



#### Mcity Driverless Shuttle

- Technology Used: 2 fully-automated, 11-seat, all-electric shuttles
- Description: Autonomous shuttle pilot conducted from June 2018 to December 2019 at the University of Michigan
- Goal: To understand human acceptance, trust, and behavior when riding in a driverless shuttle or interacting with one on the road

### CONNECTED VEHICLES



#### NYCDOT CV Pilot Deployment

- Technology Used: 3,000 vehicles with onboard connected vehicles (CV) technology and 450 CV-enabled roadside units (RSUs)
- Description: Vision Zero connected vehicle (CV) pilot deployed across 3 testing areas in New York City
- Goal: Reduce crash frequency and severity and manage vehicle speeds by deploying CV technology in tightly spaced intersections



## Sample Projects

### COMMERCE DELIVERY AND LOGISTICS



### Zero Emission Delivery Zone

- Technology Used: Digital technology platform, video analytics technology
- Description: Pilot area in Santa Monica, CA that provides priority curb access for zero emission delivery vehicles in select loading areas and collect data on delivery patterns
- Goal: Improve delivery efficiency, safety, congestion, and emissions related to last-mile goods delivery

### SMART GRID



### Vehicle-to-Grid Project

- Technology Used: Six 60kW bi-directional DC fast chargers
- Description: Pilot project to use the Cajon Valley School District's electric school buses as energy storage while parked
- Goal: Increase energy security, community resilience, and economic growth

## Key Considerations

1. DOT is looking to lift up projects and technologies of demonstrated technologies that are *on the brink of widespread implementation*.
2. Projects should demonstrate purpose-driven innovation, not investment in "technology for technology's sake" projects

### Questions to Consider







# **Building Resilient Infrastructure and Communities**

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**Led by the FEMA's Department of Homeland Security**

## **Program Focus**

Existing program to categorically shift the federal focus away from reactive disaster spending and toward research-supported, proactive investment in community resilience.

## **Eligible Uses**

1. Capability and Capacity Building (C&CB) Activities
2. Mitigation Projects
3. Management Costs

Projects must also:

- Be cost-effective
- Reduce or eliminate risk and damage from future natural hazards
- Meet either of the two latest published editions of relevant consensus-based codes, specifications and standards
- Align with the applicable hazard mitigation plan
- Meet all environmental and historic preservation (EHP) requirements

## **Eligible Applicants**

States, local, Tribal, and territorial governments



## Funding Amount

Approximately \$1 billion

## Next Anticipated Milestone

Notice of Funding Opportunity is expected to open in Fall 2022

### Get Started

- Review information on previous award selections, program resources, and recordings of past information events on the [FEMA Program Page](#)
- Visit the [FEMA Program Page](#)

## FY2021 Grant Subapplicants



### **CITY OF GASTONIA, NC**

- Challenge addressed: 1 out of every 5 residents live in poverty
- Project: Nature-based solution infrastructure project will remediate the floodplain of the Lumber River where the central business district of the town once stood



### **KERN COUNTY, CA**

- Challenge addressed: 840,000 residents are impacted by repetitive years of drought
- Project: Upgrading pipelines and pump stations to add storage for 30,000 acre-feet of potable water in a naturally occurring ground aquifer and add production wells for water extraction during droughts



## Key Considerations

**Local governments are eligible to apply to BRIC through states as subapplicants.**

- The Ohio Emergency Management Agency (EMA) manages the BRIC program and subapplicants. The process for their 2021 grant program can be found at the [2021 Hazard Mitigation Assistance Grant Application Information Page](#).
- The Ohio EMA has also outlined a [Typical Grant Workflow process](#) that identifies 6 key steps in applying for funds:
  - Step 1: Ensure Eligibility
  - Step 2: Activity Identification
  - Step 3: Application
  - Step 4: Application Review and Potential Award
  - Step 5: Project Implementation
  - Step 6: Closeout and Monitoring

The background of the top half of the slide is a photograph of a blue recycling bin. The bin has a white recycling symbol (three chasing arrows forming a triangle) on its side. The image is slightly blurred and has a dark blue overlay at the bottom.

# **Solid Waste Infrastructure for Recycling**

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**Led by the Environmental Protection Agency**



## Program Focus

New program to provide grants that improve infrastructure for solid waste recycling

## Eligible Uses

Grants to implement a strategy to:

- improve post-consumer materials management and infrastructure
- support improvements to local post-consumer materials management and recycling programs; and
- assist local waste management authorities in making improvements to local waste management systems

## Eligible Applicants

1. U.S. States and political subdivisions of states
2. Puerto Rico, Virgin Islands, Guam, American Samoa, Commonwealth of Northern Mariana Islands
3. District of Columbia
4. Federally recognized tribal governments
5. Alaskan Native Villages
6. Intertribal Consortia

## Funding Amount

\$57.5 million

## Next Anticipated Milestone

Requests for Applications is expected to be released in Fall 2022

### Get Started

- Visit the [EPA Program Page](#)
- Sign up for [email updates](#) on the EPA's BIL Programs



## Sample Projects



### CITY OF URBANA, IL

- Project: Data tracking system on recycling and reuse efforts across 80 employees and 6 divisions
- Key Outcomes:
  - Tracked materials including: batteries, oil, antifreeze, tires, solvents, landscape materials, concrete, asphalt, lamps and scrap metal
  - Recycled more than 9,600 tons of materials
  - Achieved a 90% diversion rate



### CITY OF FORT LAUDERDALE, FL

- Project: Curbside electronics recycling program
- Key Outcomes:
  - Collected nearly 1,000 electronic items in one year, totalling approximately 14,000 lbs of e-waste
  - Diverted waste to Urban Mining, a e-Steward certified organization that refurbishes, remarkets, and recycles materials



## **DISCUSSION QUESTIONS FOR EACH OPPORTUNITY**

- Is there potential interest in this funding opportunity?
- What project ideas do you have that might fit the project criteria?
- What else would be helpful to know about this funding opportunity?



# How PCFO Can Support Your Community in Preparation

## *Existing Resources on the IGAP Website*



### Getting Ready for the Strengthening Mobility and Revolutionizing Transportation (SMART) Grant Program

Hosted by the US Department of Transportation  
July 28, 2022

SMART Grant Program website: <https://www.transportation.gov/grants/SMART>

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Webinar notes for grant-specific events



### Advancing Equity Through Workforce Partnerships

PCFO IGAP Grant Snapshot  
August 4, 2022

<b>Agency:</b> US Department of Energy (DOE)	<b>Bureau:</b> Solar Energy Technologies Office (SETO)
<b>Application Deadline:</b> Mandatory Letter of Intent due 09/13/22; Concept Papers due 09/20/22; Full Applications due 12/06/22	<b>Max Award:</b> \$15 million

**Description** The Advancing Equity Through Workforce Partnerships funding opportunity will

Grant snapshots when applications are opened

<https://www.poweracleanfuture.org/igap>



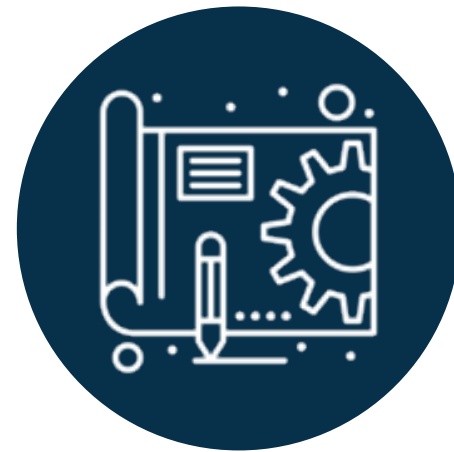


# How PCFO Can Support Your Community in Preparation

*Other Support that PCFO Can Provide*



**Answer questions in one-on-one sessions**



**Grant project scoping assistance**



**Grant application support**



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**THANK YOU!**

