

How to Capture the New Federal Dedicated EV Charging Funds for Your Community

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Today we'll cover...

Beam EV ARC™ sustainable EV charging

Overview of US DOT Charging & Fueling Infrastructure (CFI)
Discretionary Grant Program

How Beam EV ARC™ can strengthen your submission

Getting started with a successful submission

Content to help with your submissions

Q&A

EV ARC™ 2020

Sustainable EV Charging | Energy Resiliency | Emergency Preparedness

EV ARC™ 2020

Rapid Deployment, Off-Grid

No Construction, No Electrical Work, No Utility Bill

- 100% renewably powered
- Fastest and easiest to deploy
- The EV charger brand and service of your choice
- Avoided costs = Lowest TCO
- Off-grid EV charging and emergency power
- Highly visible sustainability initiative
- Drive on Sunshine



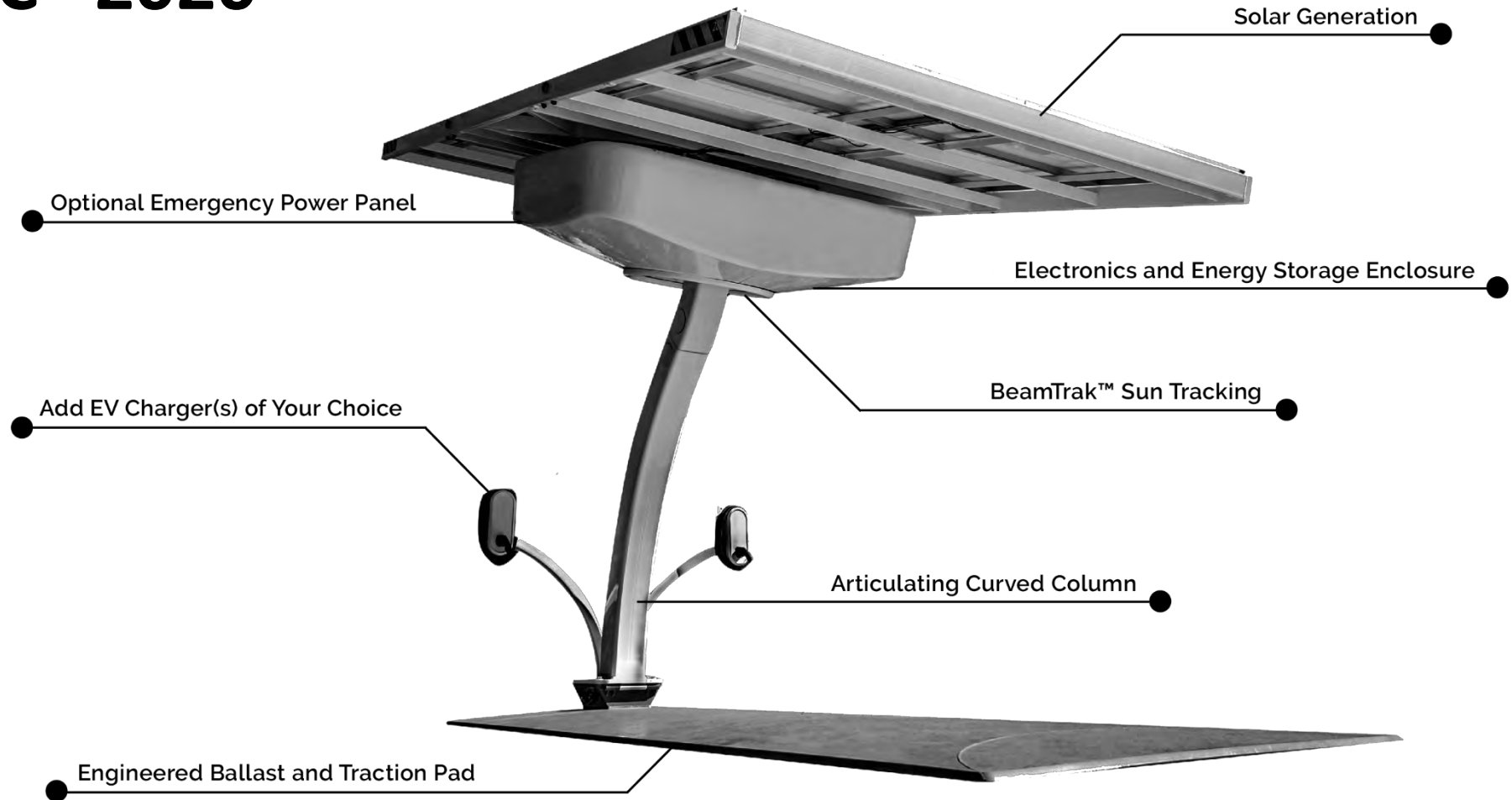
EV ARC™ 2020

Fits in a Standard Parking Spot

- Maintain full parking capacity
- Cars park on the base pad
- ADA compliant
- Reach as many as 12 parking spaces
- Charge up to 6 vehicles at the same time
- Transportable but permanent



EV ARC™ 2020



EV ARC™ 2020



**Overview of
US DOT Charging & Fueling Infrastructure (CFI)
Discretionary Grant Program**

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In a typical year there are
over **1,000** federal grant programs
through **26 federal agencies**
providing more than **\$400 billion** to public agencies.

This is Not a Typical Time...

\$6.9 Trillion of Spending in Just 2 Years

\$2.2 TRILLION

CARES Act in April
2020

\$900 BILLION

CRRSA in
December 2020

\$1.9 TRILLION

American Rescue
Plan Act in April
2021

\$1.2 TRILLION

Infrastructure
Investment &
Jobs Act in
November 2021

\$740 BILLION

Inflation
Reduction Act
August 2022

American Recovery and Reinvestment Act of 2009 was a \$787 billion package

US DOT FY23 Charging and Fueling Infrastructure (CFI) Discretionary Grant Program

- Offers up to **\$700 million** from Fiscal Years 2022 and 2023 to strategically deploy electric vehicle (EV) charging infrastructure and other alternative fueling infrastructure projects.
- Funds are for urban and rural communities in publicly accessible locations, including downtown areas and local neighborhoods, particularly in underserved and disadvantaged communities.
- This is the first round of funding, which will support \$2.5 billion in federal investment over 5 years.
- Awardees must provide at least 20 percent of the total project cost as a matching share.



Two CFI Funding Categories



COMMUNITY PROGRAM

Community Charging and Fueling Grants



CORRIDOR PROGRAM

Alternative Fuel Corridor Grants

Both due Tuesday, May 30, 2023

Community Grant Key Requirements

- Located on any public road or in other publicly accessible locations, such as parking facilities at public buildings, public schools, and public parks, or in publicly accessible parking facilities owned or managed by a private entity.
- Must be publicly accessible
- May use funds to contract with a private entity
- Minimum award amount of \$500,000, max award amount of \$15 million.
- Must address environmental justice
- Expected to reduce greenhouse gas emissions and to expand or fill gaps in access to publicly accessible infrastructure
- Must be accessible to and usable by individuals with disabilities



COMMUNITY PROGRAM



Corridor Grant Key Requirements

- Located within one mile of a designated AFC
- Must be publicly accessible
- Minimum award amount of \$1 million, no maximum award amount
- Must use funds to contract with a private entity
- Must address environmental justice
- Must be accessible to and usable by individuals with disabilities

Note: Designated Alternative Fuel Corridors (AFCs) cover nearly 190,000 miles of the National Highway System (NHS) and traverse rural and urban areas, Tribal lands, national parks, and underserved and disadvantaged communities.



CORRIDOR PROGRAM





Community Program Focus Area Categories

Multi-Modal Hubs and Shared-Use Fleets and Services

Connect or promote rental vehicle, taxi, carshare, ride-share, ride-hail, bicycle, micromobility, microtransit, and other electrified or alternative fuel multi-passenger or active mobility options that provide alternatives to individual vehicle ownership

Urban/Suburban Area Charging and Fueling Solutions

Provide convenient, affordable access to charging and alternative fuel infrastructure in applications such as multi-unit dwellings and homes without driveways or garages

Rural Area Charging and Fueling Solutions

Support multi-purpose use including single occupancy vehicles, medium-duty vehicles and fleets, shared vehicles, and taxi or other service vehicles in the community

Fleet Vehicles that Serve and Operate in Communities

Enable local medium and heavy-duty electrification and alternative fuel use for municipal fleet vehicles

Key Scoring / Merit Criteria

Climate Change and Sustainability

Reduce greenhouse gas emissions in the transportation sector

Equity and Justice⁴⁰

Create proportional impacts to all populations in a project area, remove transportation related disparities to all populations in a project area, and increase equitable access to project benefits

Workforce Development, Job Quality, and Wealth Creation

Support the creation of good-paying jobs

Accessibility

Make infrastructure accessible to and usable by individuals with disabilities

Safety

The DOT is committed to advancing safe, efficient transportation



Beam EV ARC™

Uniquely Suited for Successful CFI Funding

REQUIREMENT: EQUITY AND JUSTICE40

Publicly Accessible

Chargers to be publicly accessible, *with no fee required to access that location*; multi-family housing, public roads, parks, schools, community centers or publicly accessible parking facilities.

EV ARC™ Off-Grid Systems

- Place anywhere you have a standard parking space and can see the sky
- Deploy in about 2 hours instead of 6-18 months
- Permanent yet transportable
- Charging where and when it's needed
- Highly visible to the community; message of EV charging availability



REQUIREMENT:

**Further initiatives in equity,
community engagement, Justice40**

EV ARC™ systems are used today in disadvantaged communities, community engagement programs, beautification programs, and more.

- Fit in a standard parking space without reducing available parking
- No construction = No community disruption
- Highly visible for community messaging
- Multiple chargers on one EV ARC system
- Reach up to 10 parking spaces—broad access



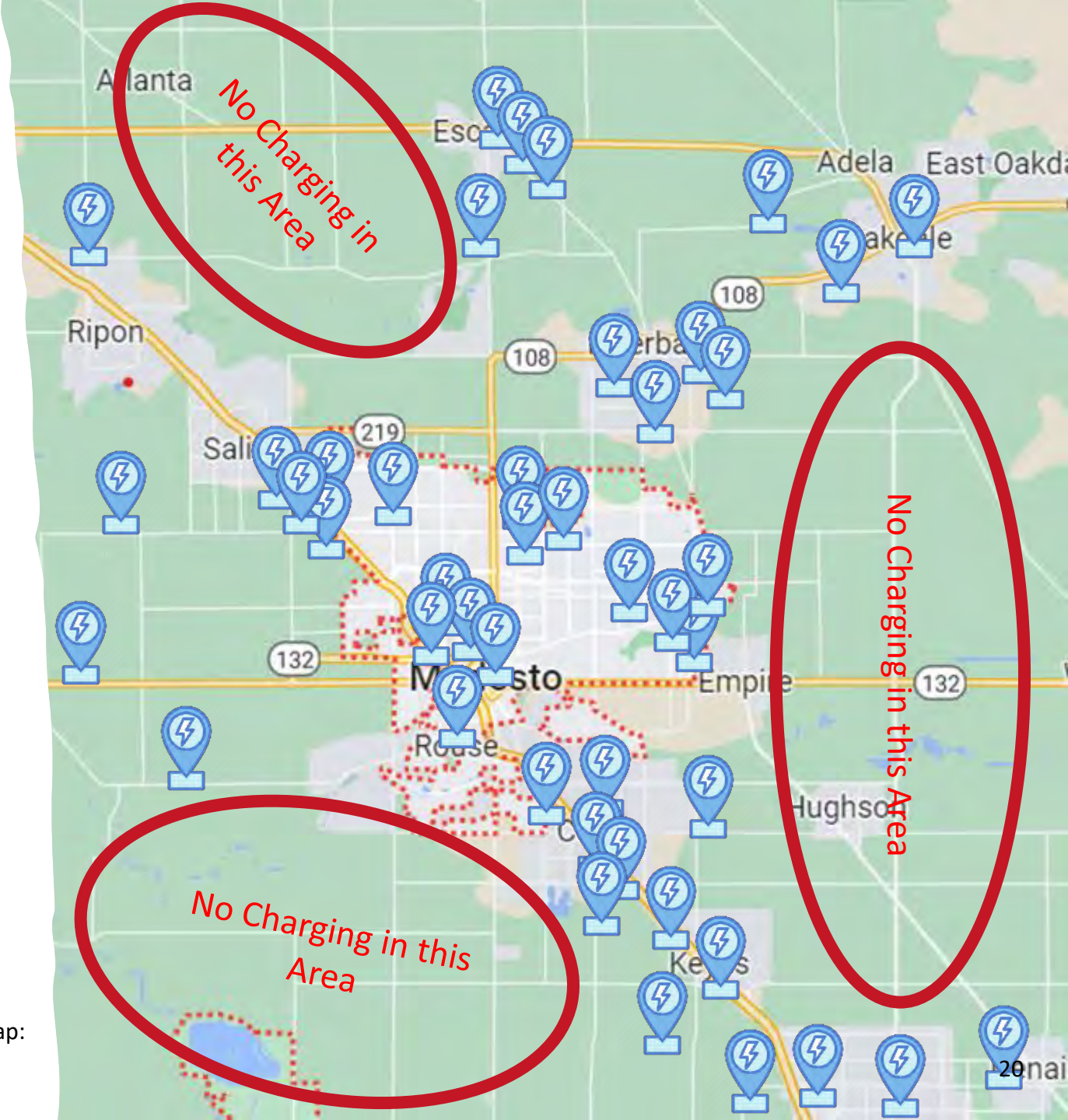
REQUIREMENT: EQUITY AND JUSTICE40
Expand or fill gaps in access to public infrastructure

EV ARC™ systems are deployed rapidly with no disruption to fragile environments, strained grid areas and rural locations.

- Easy to deploy in “charging deserts”
- No grid connection means deployable where not enough circuitry exists
- Rural and remote locations are ideal
- Rapidly deployed for fast impact
- Off-grid for no grid strain to underserved areas



Map is for illustration purposes. Charging maps can be found at the U.S. DOE EV Charging Station Locations Map: https://afdc.energy.gov/fuels/electricity_locations.html#/find/nearest?fuel=ELEC



REQUIREMENT:

Address climate change, resilience and sustainability

Solar plus battery storage delivers energy during grid outages, emergencies, nighttime and inclement weather for ultimate resiliency

- Charge EVs during grid outages
- Emergency power for first responders
- Generates and stores its own electricity
- Grid-independent, renewably powered
- No stress on an already-stressed utility grid
- Zero emissions, 100% solar



EV ARC™ 2020

Off-Grid Emergency Power

Energy when and where you need...

- Charge during blackouts, utility outages, weather events
- Relocate to high-risk locations, hospitals, shelters...
- Wind-rated up to 125 mph
- Flood-proof up to 9.5 feet
- Working asset during emergencies
- Integrated emergency power panel



REQUIREMENT: CLIMATE CHANGE

Reduce Greenhouse Gas Emissions

Each EV ARC™ system generates, stores and delivers its own clean energy.

- 100% renewably powered
- 61% of on-grid charging is fossil fuel sourced
- True zero emissions charging
- Up to 12 metric tons of CO2 saved per EV ARC™ per year
- Most sustainable EV charging option available
- Drive on Sunshine



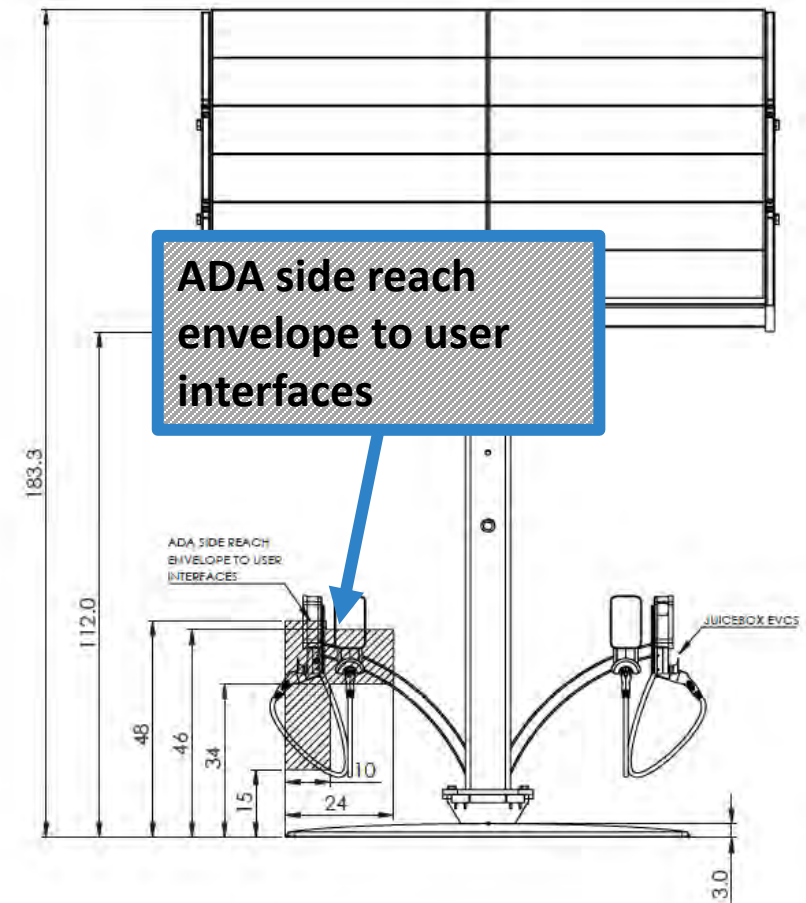
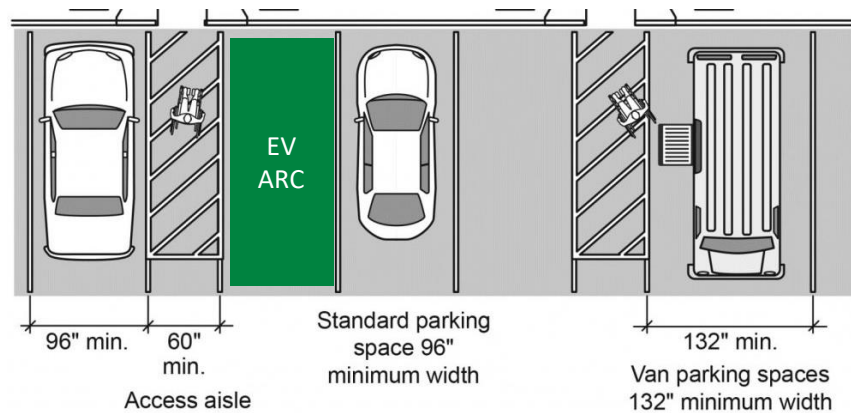
CNN Interactive Graphic: The impossible experiment of Covid-19 made it clear
<https://www.cnn.com/2020/04/07/us/los-angeles-pollution-clean-air-coronavirus-trnd/index.html>

REQUIREMENT:

Accessible to individuals with disabilities

EV ARC™ is ADA Compliant

- Place adjacent to a Van Accessible ADA parking space
- Height and placement of EV charger mounting arms designed for ADA compliance



REQUIREMENT:

Address environmental injustice

Exposure to environmental harms is inequitably distributed with unfair exposure of disadvantaged and marginalized communities

EV ARC™ 100% Clean Energy, Readily Deployed

- Fast and visible impact to surrounding community
- Permanent but transportable to serve where needed
- 100% renewably powered
- ZERO emissions
- No digging, no construction
- No disruption to environmentally fragile sites



REQUIREMENT:

Serve workforce development, job quality, wealth creation

- Manufactured in U.S.
- Clean technology jobs
- Cross-training offers learning opportunities
- Quality career jobs, not hourly labor
- Rapidly expanding business, hiring more workers
- We proudly employ combat veterans, disabled workers and other highly motivated individuals
- Publicly traded on Nasdaq, stock options program



Getting Started with Your Submission

Insights from US DOT

- Housing or park authorities are eligible for community, but not for corridor applications
- Cannot place infrastructure in locations that require a payment to enter
- For community grants, you can use up to 5% for public education/outreach
- Address how your project aligns with state plan for NEVI



Insights from US DOT

- All applications will be considered for both CFI and Community awards if eligible, regardless of which fund you apply for
- If you're collecting revenue from charging, all funding must return to your EV charging program



If you haven't already...



Begin engaging municipal dept personnel and other stakeholders in site election process
(facilities director, community development director, sustainability lead...)



Prioritize locations with high traffic counts, near major highways or that meet the equitable access guidelines defined in the IJA



Identify local funding available to meet matching requirements

Key Indicators of Funding Success

- Have a plan to improve quality of life for your residents (its about the use case, not the shopping list)
- Show a local commitment to this effort, including community partners, both gov't and non-gov't
- Compile data to support your request
- Arm your federal elected officials to advocate for you



We are here to help

- Provide draft narratives and budget justifications for your applications
- Edit and position your application for success based on our knowledge of the priorities of the underlying program authorizing legislation, as well as priorities of the grant-making agency
- Engage your Congressional delegations for political support
- Help you to expedite drawdown of awarded funds



Next Steps—Next Week (week of April 17)

Beam and Becker to provide content that can be readily entered into your submission



NARRATIVE

Wording that you can insert directly into your submissions



IMAGES

Images that support your submission and make it compelling



STARTER PACK

Two EV ARC™ configuration options to help with budgeting



EXPERTISE

Support from Beam and Becker for final submission



Your Beam contact will be reaching out with details





Q&A

Get Started

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ARC Mobility™ Trailer Deploys in Minutes



<https://vimeo.com/789165491>