

Beam Global: Sustainable EV Charging Infrastructure



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Today we'll cover...

Beam EV ARC™ sustainable EV charging

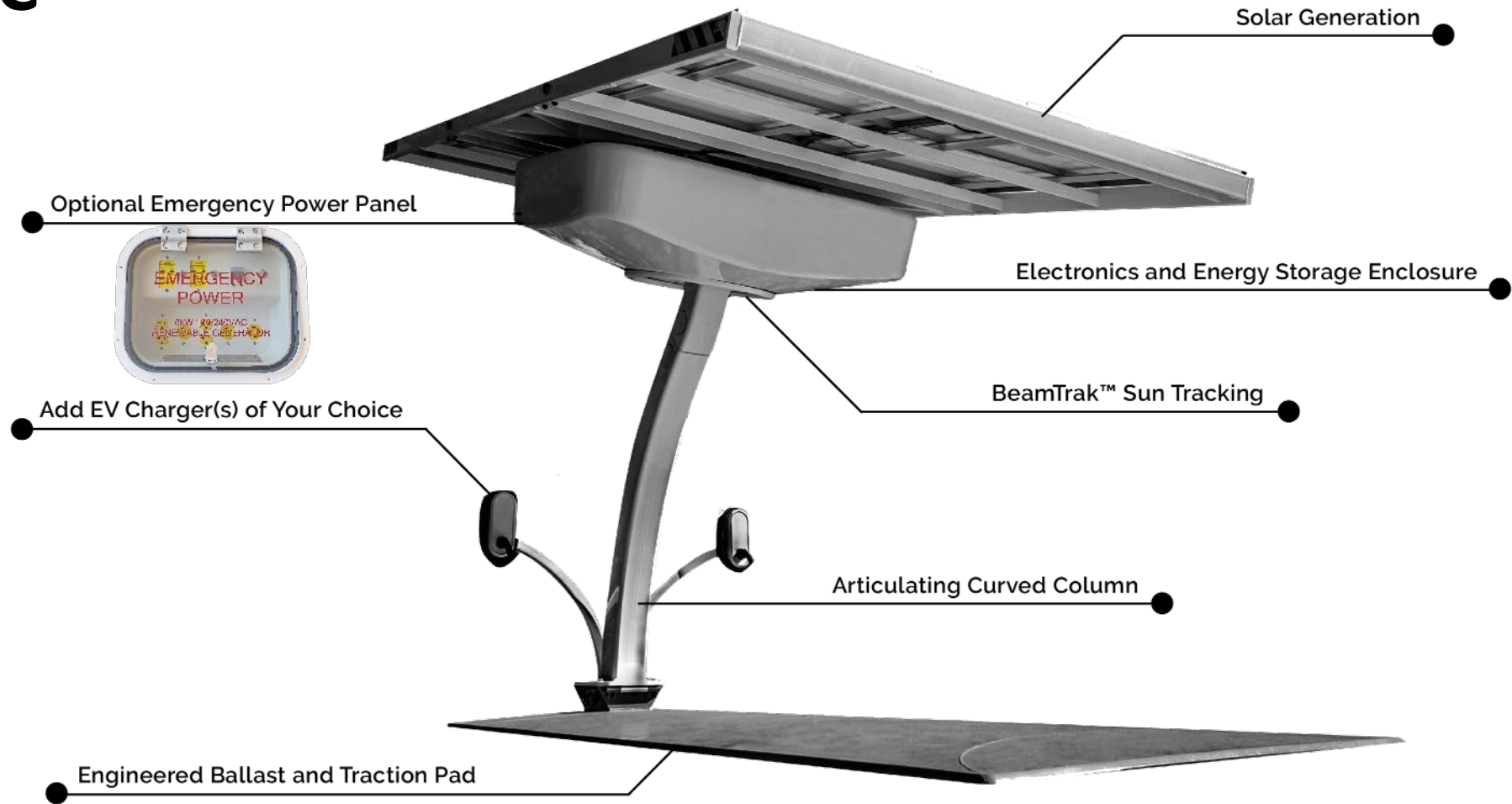
Overview of funding sources—current, upcoming

Q&A

EV ARC™

Sustainable EV Charging | Energy Resiliency | Emergency Preparedness

EV ARC™



EV ARC™

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



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EV ARC™

Transportability = Flexibility

Drop and charge. Can be relocated.

- Permanent yet transportable
- Scalable
- Can be moved short distances with a forklift
- Can be moved longer distances with the ARC Mobility™ Trailer, truck or in a 20 ft. container
- Ideal for leased or owned properties



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EV ARC™

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 160 mph
- Flood-proof up to 9.5 feet
- Working asset during emergencies
- Integrated emergency power panel
- Included in FEMA's Authorized Equipment List (AEL)*



** Beam Global EV ARC™ solar-powered charging stations are included in the FEMA Authorized Equipment List, under designation 10BC-00-SOLR Chargers.*



Address preparedness, resilience and sustainability

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

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



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EV ARC™ 2020



How Ports Can Capture Federal Funds for Off Grid EV Charging

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Senior Government Affairs Consultant

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What is DC Thinking?

- Decarbonization and Resiliency
- Boosting confidence in the availability of charging infrastructure
- Federal Investment in Hazard Mitigation and Preparedness to address natural hazards, conventional terrorist attacks, and cyber attacks that could impact the grid
- Greatly broadening the definition of “essential infrastructure”

And What Funding are they Putting Behind it?

- USDOT Port Infrastructure Development Program
- EPA Clean Ports Program
- DHS Port Security Grant Program
- Congressionally-directed spending, or “earmarks”
- Expansion of tax incentives

DOT Port Infrastructure Development Program

- Funded by the Infrastructure Investment and Jobs Act, \$450M is projected to be available under the PIDP program in FY 2025
- Typical project size from \$1M to \$25M
- The Federal share of the total project costs cannot exceed 80%. However, the Secretary has the authority to increase the Federal share above 80% for projects in rural areas or small projects at small ports
- Eligible projects for PIDP grants in FY 2024 must be located within or outside the boundary of a port and **directly related to port operations or intermodal connections**
- Examples of eligible projects include charging infrastructure



EPA Clean Ports Program

\$3 billion

- Inflation Reduction Act provides EPA \$3B to fund zero-emission port equipment and infrastructure
- Awards range between \$5M and \$150M each, with a match requirement for most projects of 20%, but for some less based on port size
- Awards pending -- if you are awarded funds, the spending plan can be modified and reprogrammed
- Program Goals
 - Build a foundation for the port sector to transition over time to fully **zero-emissions operations**, positioning ports to serve as a catalyst for transformational change across the freight sector
 - Reduce diesel pollution (criteria pollutants, GHGs, and air toxics) in near-port communities
- Encouraged uses include “the purchase and installation of new or expanded electric charging and/or hydrogen fueling infrastructure serving eligible ZE port equipment purchased as part of the applicant’s grant award, as well as shore power infrastructure for marine vessels. Equipment not purchased as part of the grant award may also utilize the charging and fueling infrastructure.”



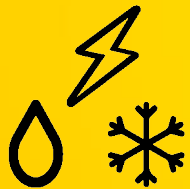
DHS Port Security Grant Program

- \$90M in competitive funding projected in FY25
- Use case is **emergency preparedness and response** focused, so that this day-to-day asset can also be used for emergency power by first responders and others in the event of a grid or other attack.
- For this reason, EV ARC™ systems are on the Authorized Equipment List: AEL Designation: 10BC-00-SOLR Chargers

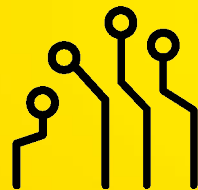


DHS Strategic National Risk Key Findings

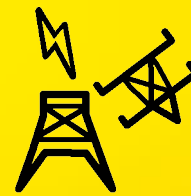
Many could impact the grid:



Natural Hazards



Technological and
Accidental Hazards



Conventional
Terrorist Attacks



Cyber Attacks

DHS Preparedness Grant Timeline

- Winter Congress Passes Appropriations Bill that funds DHS and the DHS Preparedness Grants
- 60 Days Later... DHS Announces UASI regional and SHSGP allocations and opens competitive grants – transit, tribal, nonprofit and Port Security Grant Program
- 60 Days After That... Ports submit competitive grants for review
- And in Just 60 Days More...Funds are approved and available for drawdown



Community Project Funding

- Community Project Funding or “earmarks” are the method by which Senators and Members of Congress direct funding to projects in their districts or states through the annual federal appropriations process.
- When Congress appropriates money through these bills, they provide guidelines for where and on what the money should be spent and then the federal agencies have discretion to award funds. When funds are earmarked, however, Congress specifically directs a portion of the money to be spent in a certain place on a certain project.
- Members of Congress typically accept earmark requests in the winter of each year for submission to the appropriations subcommittees
- Not all members request earmarks, and we can research your delegation to see if your electeds might support a request
- Transparent process with early indications of viability



Community Project Funding Earmark Timeline

Winter	Submission of Earmark Request
Early Spring	Members of Congress prioritize and send projects to appropriations subcommittee (request lists are published, so we know where we stand)
May/June	Appropriations Subcommittees write and consider their bills, including funding for local projects (bills are published, so we know where we stand)
October 1	Fiscal year 2026 begins
Fall/Winter	Passage into law, and 6-8 weeks later awardees can begin to drawdown funds

Tax Incentives (even if you don't pay taxes)

- The Inflation Reduction Act included a provision that allows entities that do not pay federal taxes (public agencies like cities and counties, as well as nonprofits) to benefit from certain federal tax credits **through a reimbursement process**.
- This incentive provides a credit for **up to 30%** of the cost of qualified alternative fuel vehicle refueling property placed in service.
- The credit can be claimed through “elective pay” (often called direct pay), meaning that elective pay-eligible entities such as governments and tax-exempt organizations making investments in EV infrastructure can benefit.
- Eligibility is open to projects in certain census tracts based on income levels and population density

We are here to help

- Identify high viability grant opportunities for you
- Navigate the earmark process with your Congressional Delegation
- Reprogram prior year funding that has not been expended
- Provide draft narratives and budget justifications for your applications
- Identify key emergency preparedness decisionmakers in your region
- Engage your Congressional delegations for political support
- Help you to expedite drawdown of awarded funds





Q&A

Get Started

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