

**gnd** CLEAN TRANSPORTATION  
& ENERGY CONSULTANTS

———— a  TRC company ————

Let's work together to **drive a more sustainable future.**

Federal Funding Discussion – Maximizing Federal  
Funds for Your Fleet



## 30 Years of Success

GNA has collaborated with clients to achieve great success, including:



### ADVANCED VEHICLES

Managed the design and development of more clean fleet deployment projects than any other firm in North America



### INFRASTRUCTURE

Helped facilitate the development of some of the world's largest renewable energy projects, and clean fuel and EV fleet charging corridors



### FUNDING & INCENTIVES

Secured \$1 billion in grant funding for clients with >90% success rate



### OUTREACH & EDUCATION

Produced hundreds of educational events and targeted campaigns that influence tangible change



# \$1 BILLION

IN SECURED GRANTS &  
FUNDING FOR CLIENTS



# Background and Context

## National Policies



Bipartisan Infrastructure Law



Inflation Reduction Act



CHIPS and Science Act

## Investment (\$)

- \$135 billion to support zero-emission transportation
- \$7.5 billion for national EV charging network
- \$2.91 billion advanced clean vehicle manufacturing

# Federal Funding

## Tax Credits

- IRS – Clean Vehicle Tax Credits

## Grant Programs

- Department of Energy (DOE)
- Department of Transportation (DOT)
- Environmental Protection Agency (EPA)
- Federal Emergency Management Agency (FEMA)
- US Department of Agriculture (USDA)



# Clean Vehicle Tax Credits

## General Requirements

- Cannot be applied to vehicles intended for resale
- Must be used primarily in the US
- Must be made by a qualified manufacturer (exceptions for FCVs)
- Must undergo final assembly in the US
- Seller must report name and taxpayer information to the IRS at the time of sale
- Vehicle must meet critical mineral and battery component requirements (for units placed into service on or after April 18, 2023)
- Submit Form 8936\* with your tax return (IRS is currently finalizing claim form for 45W)



## Clean Vehicle Tax Credit (IRC 30D)

- Up to \$7,500 for new vehicle purchases
  - In service Jan 1 – April 17, 2023
    - \$2,500 base voucher amount
    - Plus \$417 for a vehicle with at least 7 kilowatt hours of battery capacity
    - Plus \$417 for each kilowatt hour of battery capacity beyond 5 kilowatt hours
    - Minimum credit is generally \$3,751
  - In service on or after April 18, 2023
    - \$3,750 for meeting either the mineral or battery component criteria
    - \$7,500 for meeting both
- GVWR < 14,000 lbs.
- Battery capacity of at least 7kWh

## Commercial Clean Vehicle Tax Credit (IRC 45W)

- Up to \$40,000 for new vehicle purchases
  - 15% of your basis in the vehicle (30% for non-gas/non-diesel vehicles)
  - Incremental cost of the vehicle
- GVWR > 14,000 lbs.
- Battery capacity of at least 15kWh
- Tax exempt organizations may be eligible for direct/elective pay

## Elective Pay / Direct Pay

- Allows applicable entities to claim clean energy tax credits even if they don't owe federal income tax
- Applicable entities include
  - tax-exempt organizations § 501(a)
  - States, and political subdivisions such as local governments
  - Indian tribal governments
  - Alaska Native Corporations
  - the Tennessee Valley Authority
  - rural electric co-operatives
  - U.S. territories
- Must own the underlying eligible credit property (the vehicle)

## Making an Elective Payment

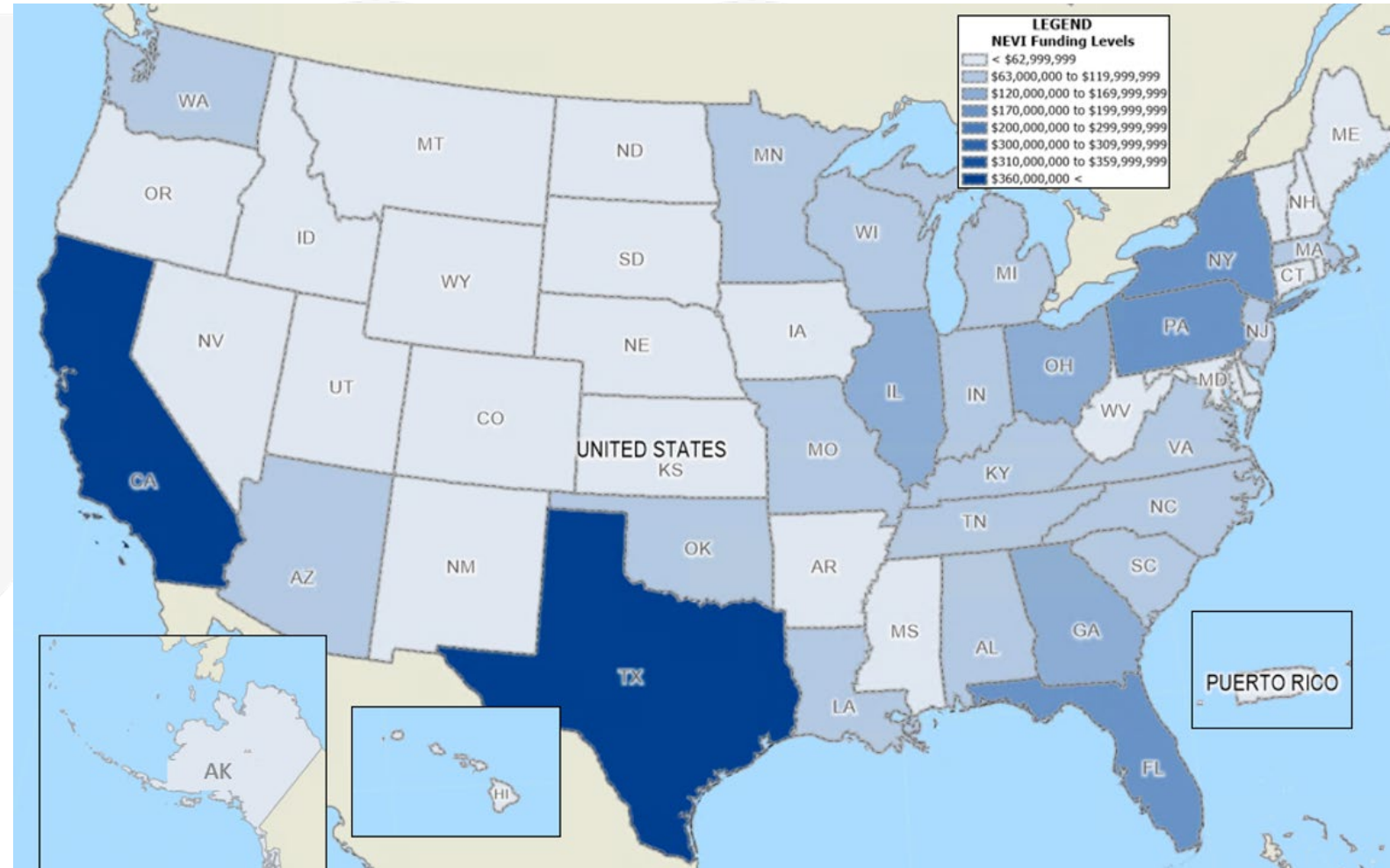
- Identify applicable credit
- Determine the appropriate tax year
- Complete pre-filing registration with the IRS to expedite return processing
- File annual tax return with proper attachments
  - Form 3800 – General Business Credit



# Infrastructure Grant Programs

# Alternative Fueling Infrastructure Grants

- National Electric Vehicle Infrastructure (NEVI) Formula Program
  - 50+ competitive grants
  - \$5 billion over 5 years
- Charging and Fueling Infrastructure (CFI) Discretionary Grant Program
  - \$2.5 billion over 5 years



# Eligible NEVI Projects

Along alternative fuel corridors

≤ 50 miles between charging stations

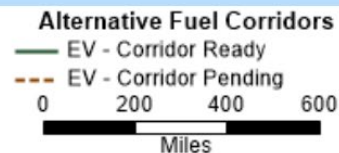
≤ 1 mile from corridor/off-ramp

40% of projects must benefit Justice40 communities

Minimum site power ≥ 600 kW

Minimum four ≥ 150 kW per port

Highway Information - Electric Vehicle (EV-Round 1,2,3,4 and 5)



# Eligible NEVI Costs

Public access charging

DC Fast Chargers

Renewable energy generation and storage

Design and preconstruction activities

Community outreach

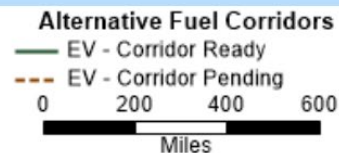
Traffic control and signage

Data collection

Mapping and analysis activities

States are encouraged to consider Buy America requirements\*

Highway Information - Electric Vehicle (EV-Round 1,2,3,4 and 5)





State	Status	Due Date
Alaska	Round 1 Closed – May 15	
Colorado	Round 1 Closed – May 5	
Delaware	Round 1 Open	Due September 14
Hawaii		
Kansas	Round 1 Closed – July 21	
Kentucky	Round 1 Open	Due August 24
Maine	Round 1 Closed – June 22	
Oklahoma	Round 1 Open	Due September 15
Ohio	Round 1 Closed – January 18	
Pennsylvania	Round 1 Closed – May 5	
Rhode Island	Round 1 Closed - May 22	
Tennessee	Round 1 Open	Due November 1
Virginia	Round 1 Open	Due September 15

## Coming Soon

- Utah
- California
- Minnesota
- Georgia

# CFI Overview

- Round 1 Closed in June
  - \$700 million available in Round 1
  - Two funding lanes
    - Community Program (\$350 million)
      - Projects that reduce greenhouse gas emissions and expand or fill gaps in access to infrastructure
      - \$500,000 - \$15 million awards
    - Corridor Program (\$350 million)
      - Projects that support the buildout of charging or alternative fueling infrastructure along AFCs
      - Minimum award of \$1 million with no maximum award amount
- Round 2 expected to open as early as Q4 2023

# Eligible CFI Infrastructure

- Publicly accessible electric vehicle (EV) and other alternative fueling infrastructure
  - EV charging
  - Hydrogen fueling
  - Natural gas fueling
    - Compressed natural gas
    - Liquefied natural gas
  - Propane fueling
    - Limited to medium- and heavy-duty vehicles

Eligible Applicants	Community Program	Corridor Program
A State or political subdivision of a State	✓	✓
A metropolitan planning organization	✓	✓
A unit of local government	✓	✓
A special purpose district or public authority with a transportation function, including a port authority	✓	✓
An Indian Tribe (as defined in section 4 of the Indian Self-Determination and Education Assistance Act (25 U.S.C. § 5304))	✓	✓
A territory of the United States	✓	✓
An authority, agency, or instrumentality of, or an entity owned by, 1 or more entities as listed above	✓	✓
A group of entities as listed above	✓	✓
A State or local authority with ownership of publicly accessible transportation facilities	✓	

# CFI Engagement Opportunities

- Many eligible applicants are requesting project information from interested parties
  - Engagement opportunities range from formal RFPs to online surveys
  - Some agencies that have opened processes include:
    - California Energy Commission and Caltrans
    - Washington Department of Commerce
    - Michigan EGLE, MDOT, and the Office of Future Mobility and Electrification
    - Montana Energy Office at the Department of Environmental Quality
    - District of Columbia Department of Energy and Environment
    - North Central Texas Council of Governments
    - ...among others
- Direct engagement with eligible entities

# Fleet Opportunities with CFI

- **Community Program Focus Areas**
  - Multi-Modal Hubs and Shared-Use Fleets and Services
  - Rural Area Charging and Fueling Solutions
  - Fleet Vehicles that Serve and Operate in Communities
- **Corridor Program Focus Areas**
  - Zero Emission Corridors for Medium- and Heavy-Duty Vehicles



**More Federal Funding**



# Environmental Protection Agency

- **National Diesel Emissions Reduction Act (DERA) Grant Program**
  - Fund public entities and non-profits to reduce diesel emissions from fleets in poor air quality areas through on and off-road/off-road equipment projects.
  - 45-50% of vehicle replacement costs
  - Applications due December 1, 2023
- **Targeted Airshed Grant Program**
  - Fund air pollution control agencies to administer clean vehicle retrofit, replacement, and demonstration projects
- **Clean Ports Program**

# Department of Energy

- Advanced Vehicle Technologies (Development and Demonstration)
- Domestic Manufacturing
- Distributed Energy Systems
- Battery Storage

# Department of Agriculture

- **Rural Energy for America Program (REAP)**
  - Grants up to \$1M (25% of eligible costs) and loan guarantees for small businesses, farmers, and ranchers to purchase and installation of renewable energy generating systems
  - Annual rolling applications from March 31<sup>st</sup> – November 1<sup>st</sup>
- **Powering Affordable Clean Energy (PACE)**
  - Forgives up to 60% of loans for renewable energy projects that use wind, solar, hydropower, geothermal, or biomass, as well as for renewable energy storage projects.
  - Letters of Intent (LOIs) due September 29<sup>th</sup>; full applications due 60 days from letter acceptance
- **Empowering Rural America (ERA)**
  - Funding for rural electric cooperatives (25% of eligible costs) to 1) make energy efficiency improvements to eligible generation and transmission systems; 2) purchase, build, or deploy renewable energy system, zero-emission systems, carbon capture storage systems, or 3) purchase renewable energy.
  - Letters of Intent (LOIs) due August 31<sup>st</sup>; full applications due 60 days from letter acceptance

# Department of Homeland Security – Federal Emergency Management Agency (FEMA)

- **Building Resilient Infrastructure and Communities (BRIC)**
  - Support states, local communities, tribes and territories in implementing for pre-disaster mitigation activities that increase resilience and public safety including energy storage and renewables
  - 75% of eligible costs up to \$1M for state/tribal applicants; no award limit for national competition applicants
  - Program is currently under development; expected to open Q4 2023

# Key Takeaways

- **Program goals and targets**
  - 40% of benefits from federal investment to Disadvantaged/Justice40 Communities
  - Workforce development
  - Domestic Sourcing (Buy America)
- **Flow of Funds to State/Regional Administrators**
- **Project Concept Development**
- **Partnerships**
  - OEMs
  - Trucking-as-a-Service (TaaS) providers
  - Charging-as-a-Service (CaaS) providers
  - Station developers
  - Public Entities
  - Community Based Organizations (CBOs) and non-profits
  - Academic institutions
  - Labor Organizations
- **Timelines and Project Readiness**

# Thank You!

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