

Kentucky EV Charging Program Update

December 12, 2023

BETTERKY
PLAN

TEAM
KENTUCKY®
TRANSPORTATION
CABINET

TEAM
KENTUCKY®
ENERGY AND
ENVIRONMENT CABINET



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Introduction



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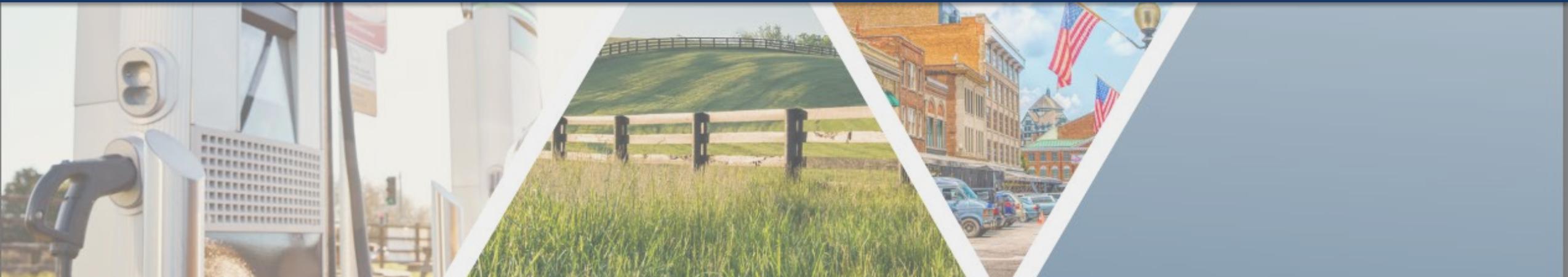
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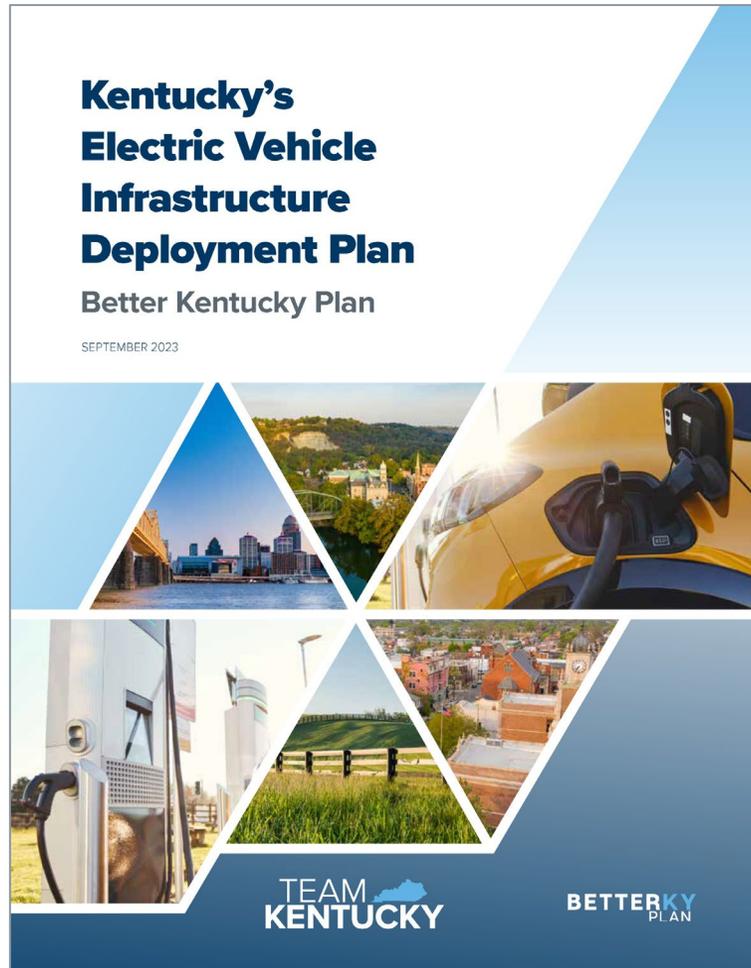
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EV Infrastructure Plan Updates



KY EV Infrastructure Deployment Plan Update



- + Updated Guidance provided **June 2, 2023**
- + Update Deadline was **Aug. 1, 2023**
- + Updated entire plan with focus on:
 - + Contracting and Implementation
 - + Stakeholder Engagement
 - + Equity

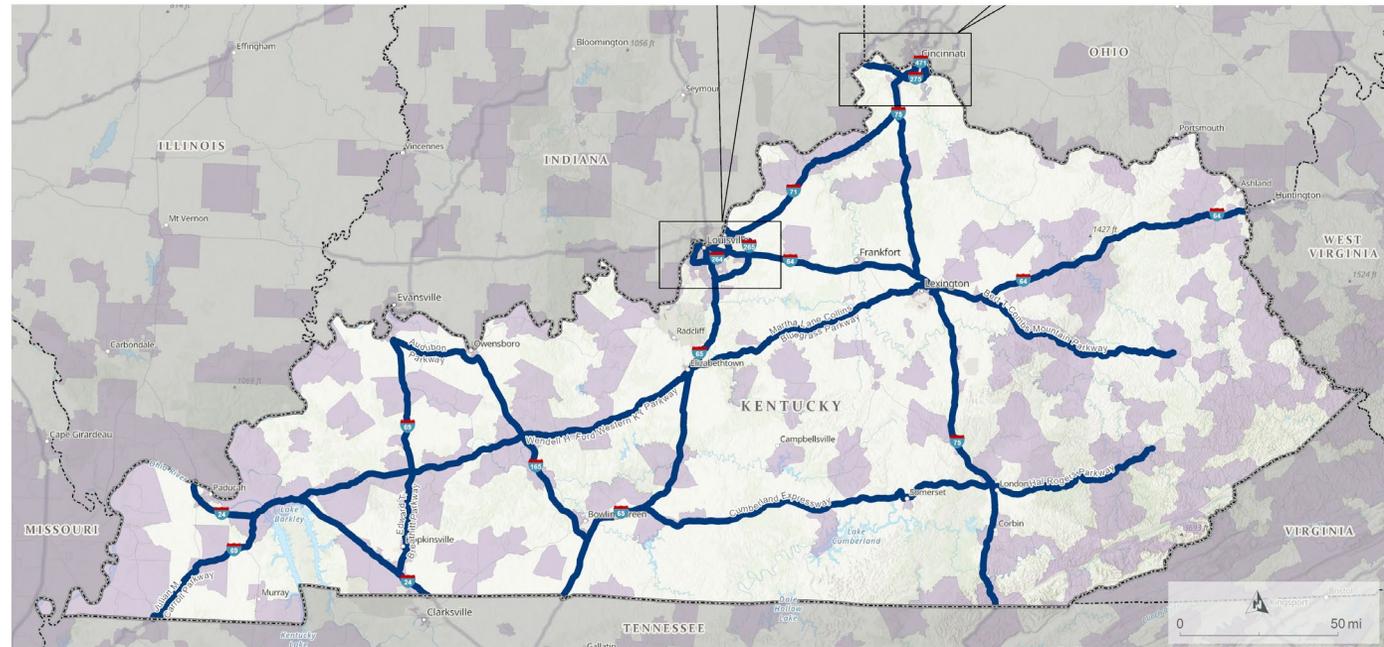
Contracting and Implementation

- + Priority goals for contracting:
 - + Attract multiple experienced proposers
 - + Maximize the leverage of Federal funds
 - + Engage local, small and disadvantaged businesses
- + Corridor groups
- + Proposal evaluation approach
- + Plan for compliance with Federal requirements
- + Implementation section updated to match



Equity

- + Justice40 and Disadvantaged Community (DAC) identification
- + Expanded approach to community engagement
- + Process for identifying and measuring benefits
- + Emphasis on incorporating DAC feedback on this process



Stakeholder Engagement

Broad range of engagement initiatives continuing into 2024 including:

- + Additional In-person Meetings
- + Focused engagement with disadvantaged communities
- + Continued utility engagement
- + Community Engagement Outcomes Report

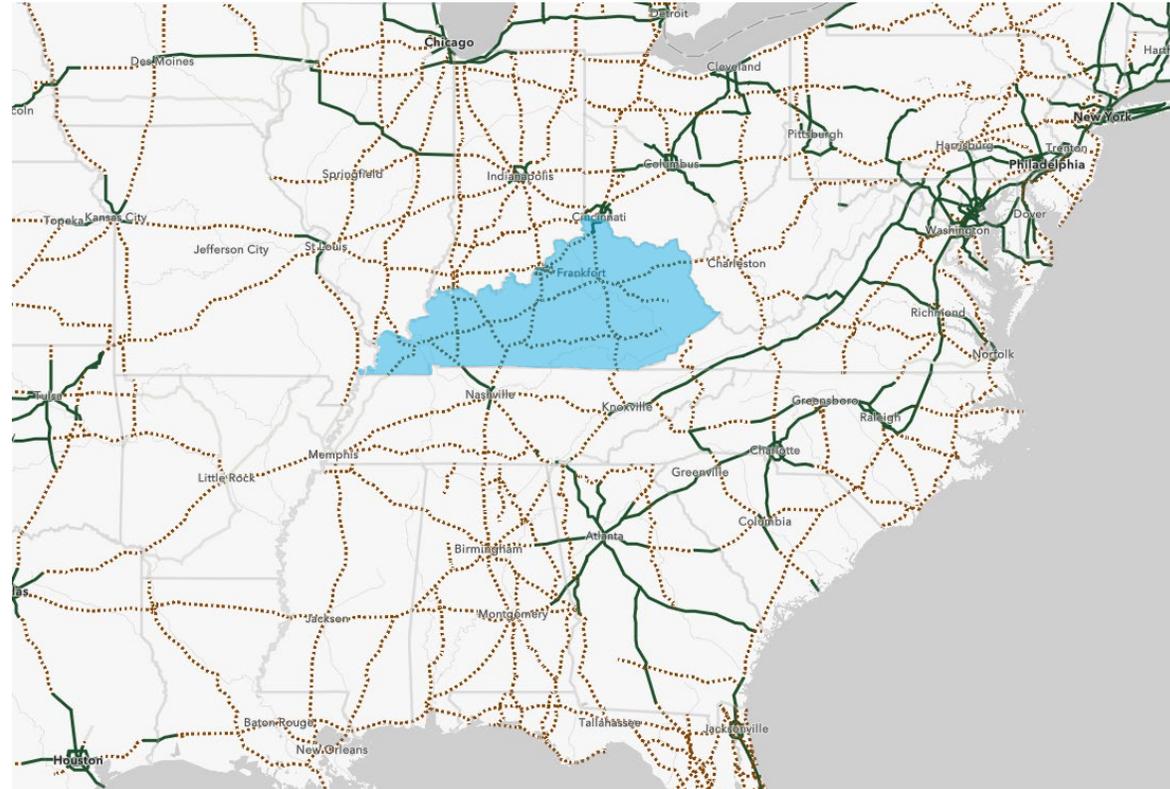




Alternative Fuel Corridors Round 7

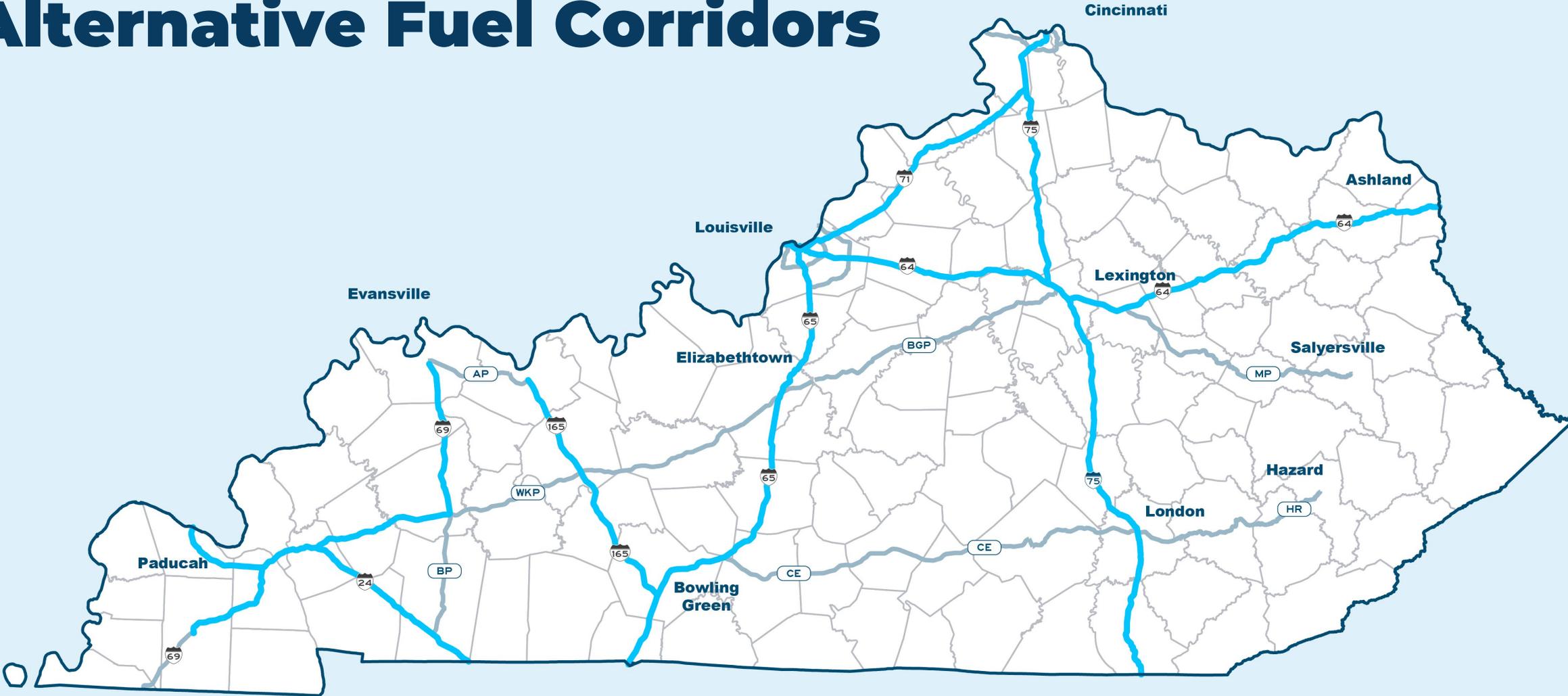
EV Alternative Fuel Corridors

- + Request for Nominations:
May 18 – June 13, 2023
- + Kentucky did not add EV
AFCs



Note: Waiting on FHWA to determine EV Freight corridors (National Highway Freight Network)

Kentucky's Hydrogen Alternative Fuel Corridors





EV Infrastructure Funding

Federal Funds for EV Infrastructure

2021 Infrastructure Investment and Jobs Act (IIJA)

also known as **Bipartisan Infrastructure Law (BIL)**

National Electric Vehicle Infrastructure (NEVI) Program

NEVI Formula Funds

Kentucky's Share - \$69.5M
\$5.0 Billion Nationally (over 5 years)

NEVI Discretionary Grant Funds

Competitive Grants
\$2.5B Available Nationally (over 5 years)
First Round Closed June 13, 2023

KY EV Infrastructure Deployment Plan



Sept. 29, 2023
Approved by FHWA



~1,500 Miles
Designated EV
Charging Corridors



~15 Million
FY 2024 Funding



~40 Million
Total Funding

Federal Funds and Schedule



*All numbers in millions

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Totals
Federal Funds	\$10.3	\$14.8	\$14.8	\$14.8	\$14.8	-	\$69.5
Non-Federal Funds	\$2.6	\$3.7	\$3.7	\$3.7	\$3.7	-	\$17.4
Total Funds	\$12.9	\$18.5	\$18.5	\$18.5	\$18.5	-	\$86.9

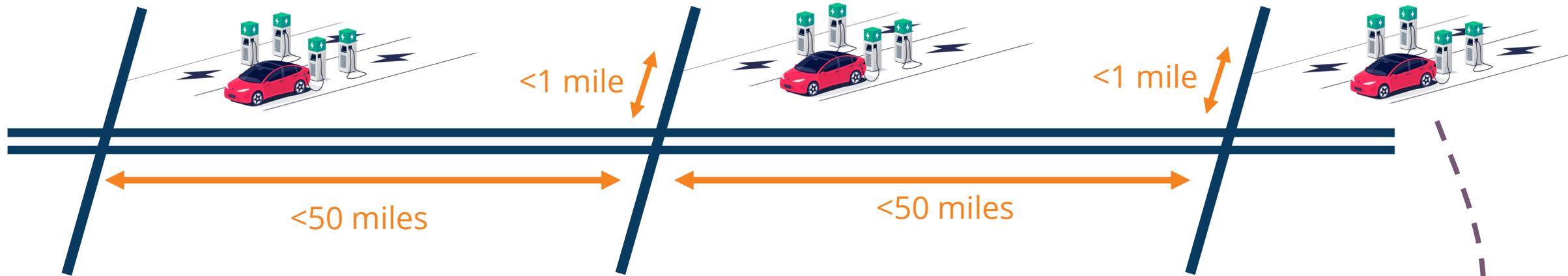
EV Infrastructure Plan Elements

Build-Out Interstates and Parkways (Phase 1 - Ongoing)

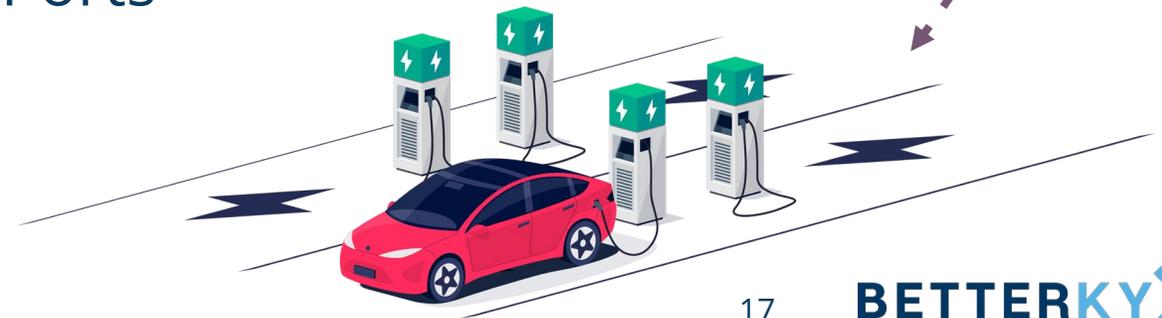
Other Priority Corridors (Phase 2)

Community Charging (Phase 3)

Stations on Federally Designated EV Alternative Fuel Corridors



- + <50 Mile Spacing; <1 Mile From Corridor
- + At Least (4) 150 kW DC Fast Charging Ports (600kW Total)
- + Open to General Public 24/7



KY EV Charging Program

- 1. Funds must first be spent to build-out AFCs**
- 2. After build-out, FHWA will allow more flexibility**
 - + More guidance expected in the future
 - + Other high priority corridors or community charging



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Charging and Fueling Infrastructure (CFI) Discretionary Program

- + Two categories:
 - + **Corridor Programs**
 - + **Community Programs**
- + **\$2.5 billion** over five years
 - + **\$700 million** for FY 2022-23
- + First Round: Mar. 14, 2023 – June 13, 2023
 - + Awards expected soon
- + Next round expected Spring 2024





Update on RFP Process

NEVI Funded DCFC Stations

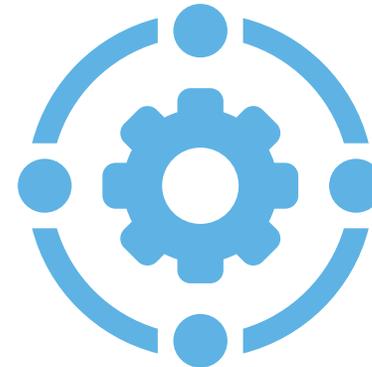
- + KYTC will not own, operate, or maintain stations
- + Industry partners will be responsible for



**Construction/
Installation**



Ownership



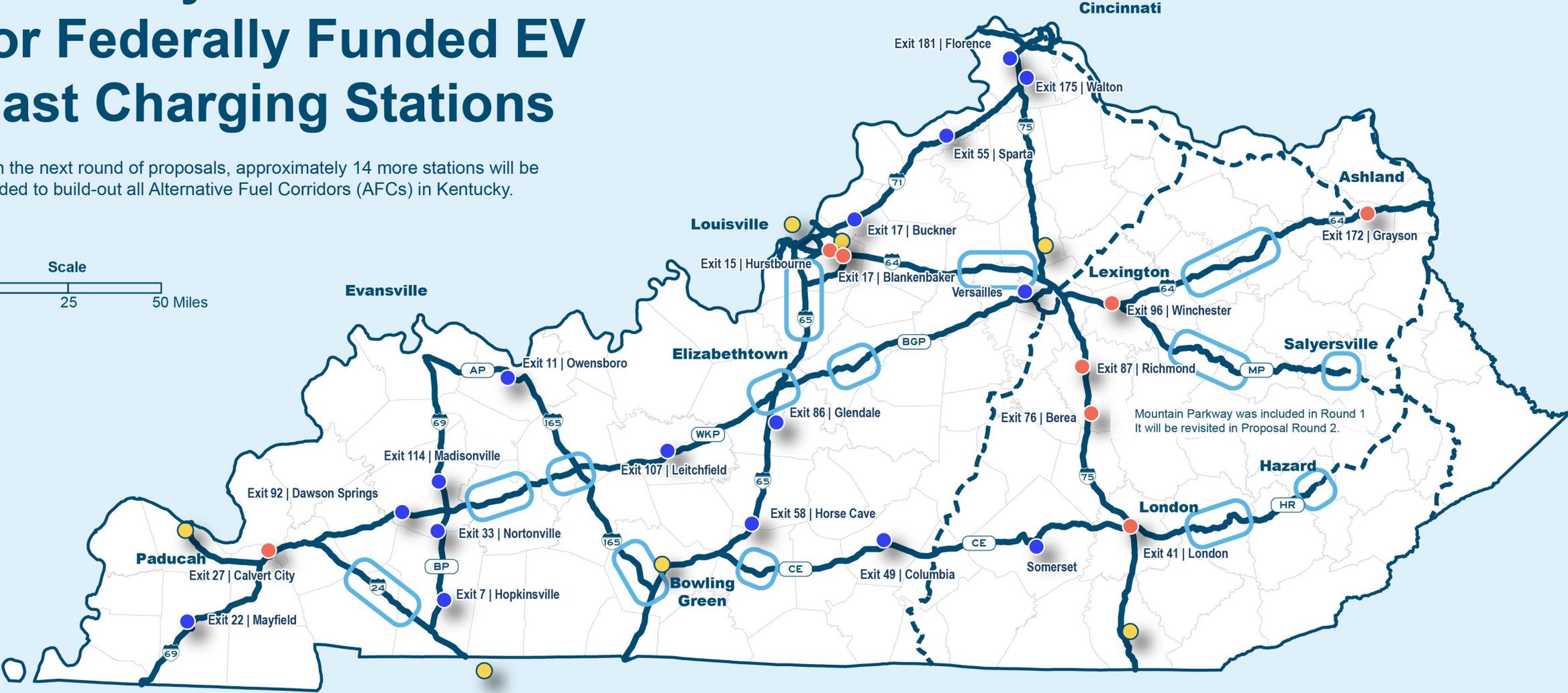
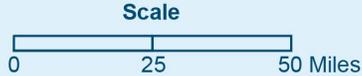
Operations



Maintenance

Kentucky's Awarded Sites for Federally Funded EV Fast Charging Stations

With the next round of proposals, approximately 14 more stations will be needed to build-out all Alternative Fuel Corridors (AFCs) in Kentucky.



Mountain Parkway was included in Round 1. It will be revisited in Proposal Round 2.

- Awarded Site (October 2023)
- Awarded Site (September 2023)
- Existing AFC Creditable Site
- Build-Out Gaps
- Designated Alternative Fuel Corridors for EV
- Other High Priority EV Corridor (post AFC build-out)

Request for Proposals



Submissions
Received:
150



\$15.4
Million in Federal Funds



24
Charging
Stations



7
Developers

Round One: **16 Stations**
Round Two: **8 Stations**

NEPA Categorical Exclusion

National Environmental Policy Act of 1969 (NEPA) provides for **Categorical exclusions (CEs)**: categories of actions that do not have a significant effect on the environment.

- + Allows for a faster environmental review process
- + NEPA process is complete for KY station locations



KY Participation in EV-ChART Pilot

EV Charging Analytics and Reporting Tool (EV-ChART)

- + Centralized hub for collecting data required in 23 CFR 680.112



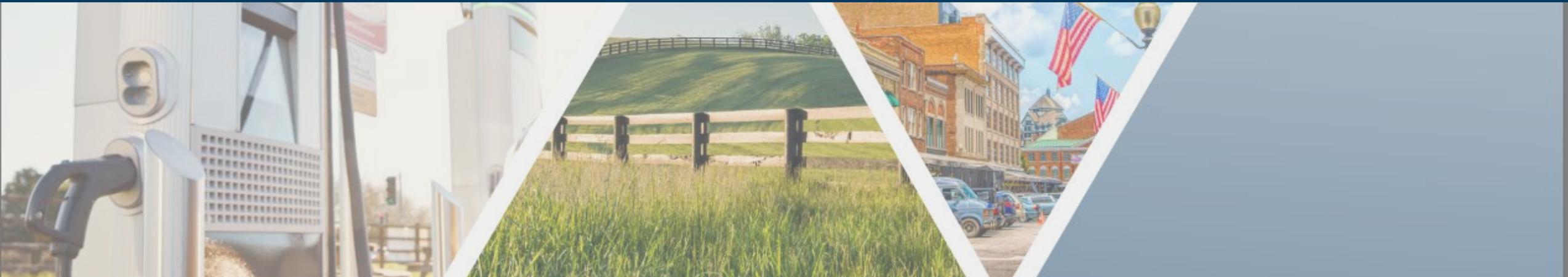
<https://driveelectric.gov/evchart>

Project Objectives

- + Streamline and standardize data submissions
- + Integrate reporting and analytic capabilities
- + Empower data sharing across stakeholders
- + Connect with other databases and tools

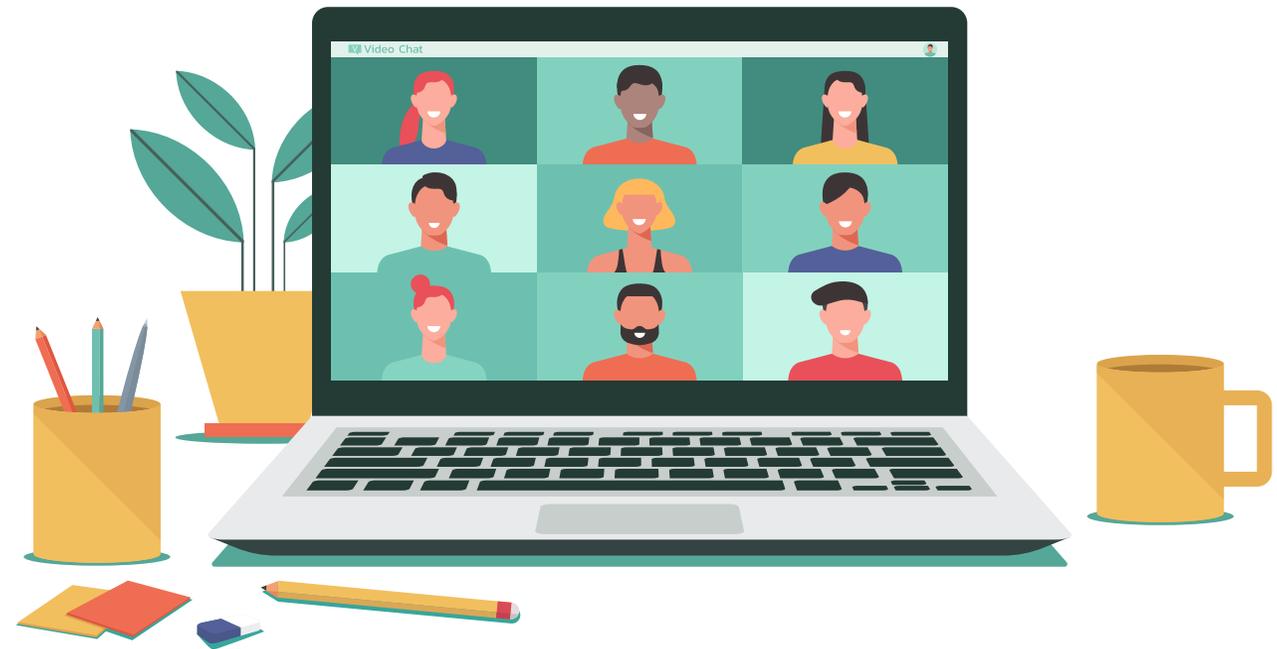


Community Engagement



EV Charging Program Engagement

- + In-person meetings around the state in 2024
- + Additional virtual meetings over the next year
- + Engagement Goals
 - + Input on EV program implementation
 - + Educate the public about the EV program



Outreach and Engagement Tools

- + Large and small stakeholder meetings
- + Coordination with MPOs and ADDs
- + Steering Committee
- + Speaking engagements
- + RFP networking
- + Website
- + Videos
- + Surveys



Potential Engagement Topics



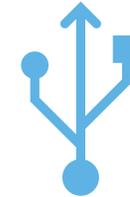
**National Drive
Electric Week**



**Training to use
public EV
Charging Stations**



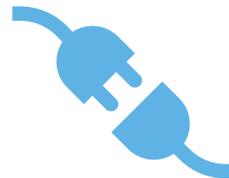
**First responders
training for EV
emergencies**



**Futureproofing
and technology
integrations**



**Community charger
location
considerations**



**Opportunities
for additional
chargers**



**Implementation
success stories**



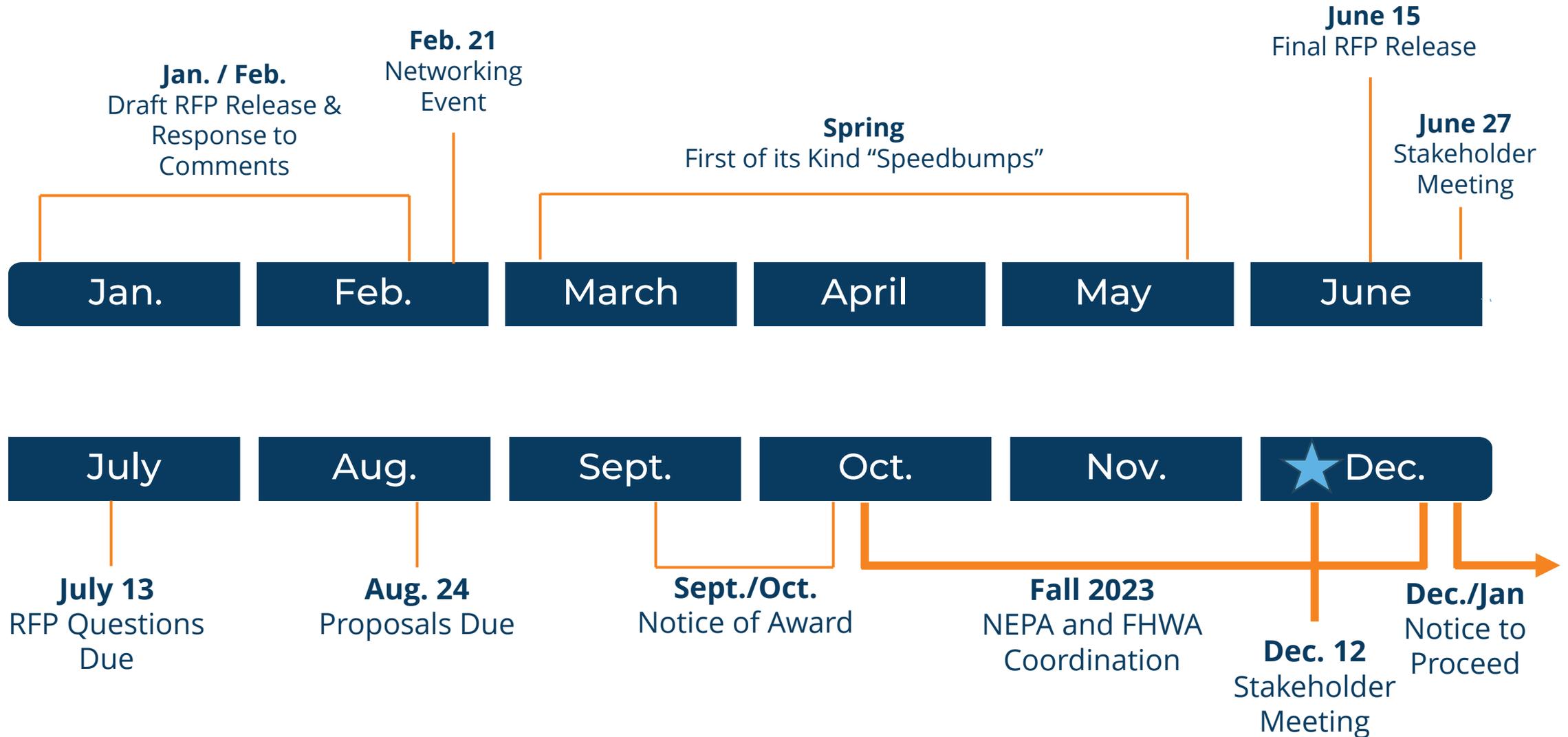
**Post-award
compliance reporting**



Next Steps



2023 NEVI Project Schedule



Kentucky EV Regulations

as of Jan. 1, 2024

EV Registration Fees

- + \$120 for EVs
- + \$60 for Electric Motorcycles and Hybrid Vehicles
- + Paid Annually
- + Collected by KYTC
- + Transferred to the Road Fund

EV Charging Station Tax

- + EV Power Excise Tax of \$0.03/kW
- + Paid by Station Owner
- + Collected by Dept. of Revenue

NOTE: Charging stations installed before 07/01/2022 and providing free charging services are not subject to the tax.

KYTC EV Update

- + Four F-150 Lightning trucks for 12 months
- + Driven ~14,000 total miles (combined)
- + Can charge in ~30 minutes
- + Max distance between charges ~200 miles
 - + Published range is 240 miles
- + \$0 in maintenance in 12 months
- + Saved \$1,800 in fuel costs
 - + Electricity cost was \$900
 - + Gasoline cost would have been \$2,700



EV Incentives

- + Tennessee Valley Authority (TVA) - EV Charging Station Rebate
- + Federal Inflation Reduction Act (IRA) provides incentives for the purchase of new or used EVs
 - + Provided at point of sale in 2024
 - + Qualification is based on income
 - + Only for EVs built in North America

For More Information

EV Program Email Address:
EVChargingProgram@ky.gov

Program Website:
EVCharging.KY.gov





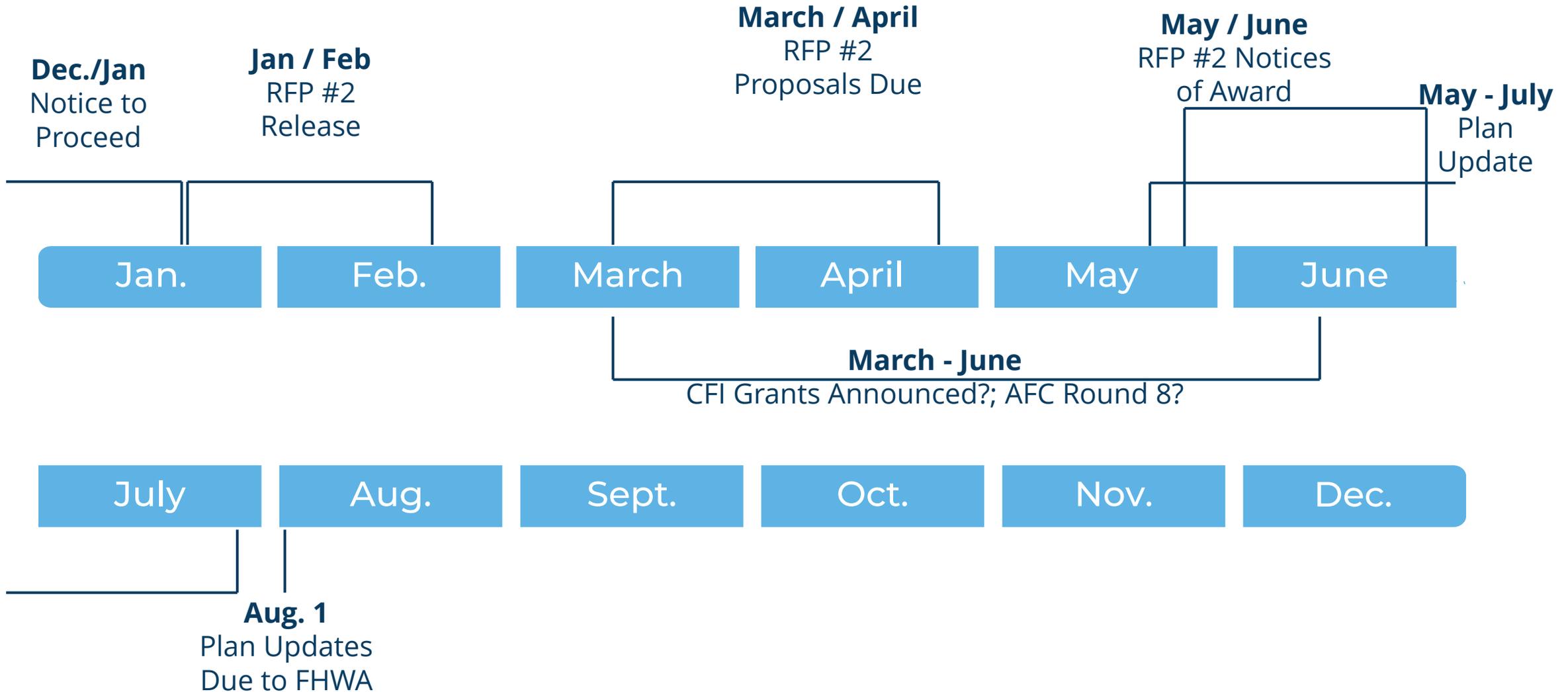
Adjourn



Previous Survey Questions:

1. Let us know where in the Commonwealth you are from and what organization you represent (Please provide your city, zip code, and organization)
2. Who do you represent, out of the following categories?
3. EV Ownership Status
4. What are the barriers of owning an EV in Kentucky?
5. The plan will focus on charging infrastructure on main highway corridors first. After that, where?
6. What are the most important characteristics for Charging sites?
7. What are strategies the state should consider for overcoming barriers to charger infrastructure in rural areas?
8. What are some strategies for overcoming barriers in charger infrastructure in underserved communities?
9. Range anxiety

2024 NEVI Project Schedule



2023 NEVI Project Schedule

	Jan	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Draft RFP Release & Response to Comments	■											
Feb. 21 Networking Event		★										
Spring Speedbumps			■									
June 15: Final RFP Release						★						
June 27: Stakeholder Meeting						★						
July 13: RFP Questions Due							★					
Aug. 24: Proposals Due								★				
Sept./Oct. Notice of Award									■			
Fall 2023: NEPA and FHWA Coordination										■		
Dec. 12: Stakeholder Meeting												★
Dec./Jan. Notice to Proceed												▶