

Kentucky EV Charging Program Update

**Budget Review
Subcommittee on
Transportation
June 7, 2023, 10:30 AM**

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PLAN

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Agenda

01

Federal
Funding for EV
Infrastructure

02

Kentucky's
EV Charging
Program

03

Kentucky's
EV Charging
Program
Implementation

04

Questions and
Discussion



Federal Funding for EV Infrastructure



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

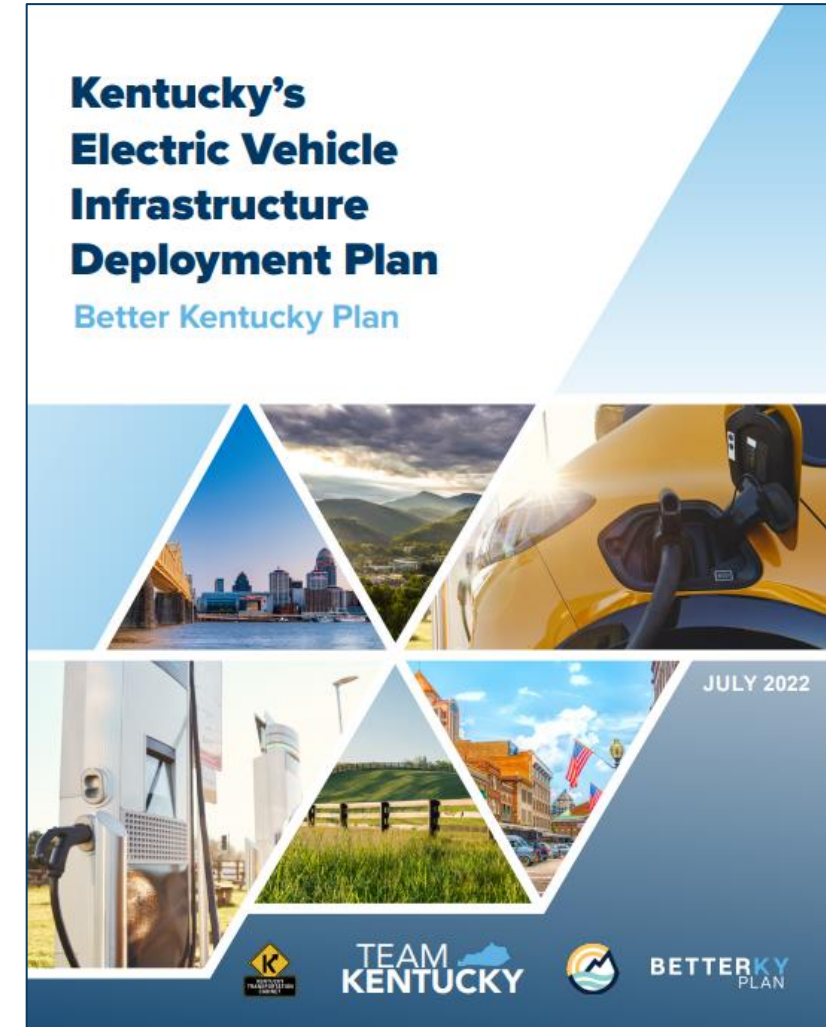
Competitive Grants
\$2.5B Available Nationally (over 5 years)
Guidance Issued on March 14, 2023



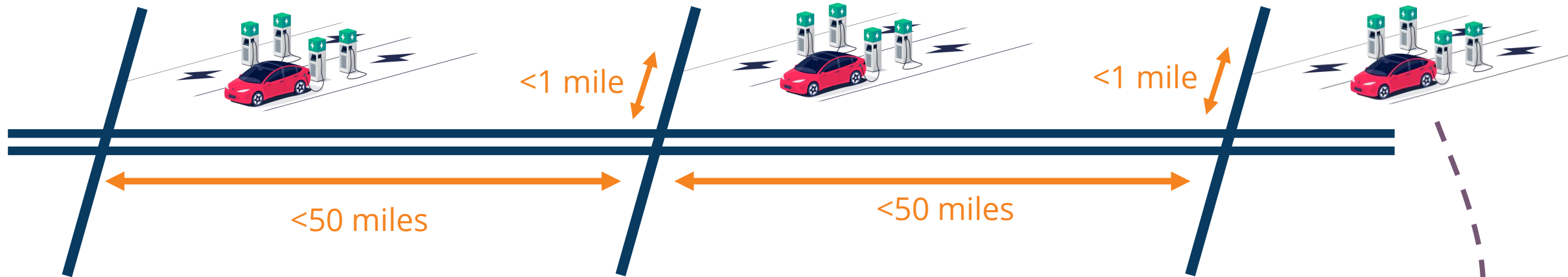
EV Charging Program

EV Charging Program Plan

- + 2022 Plan secured first \$25 million in NEVI formula program funds (FY 22 & 23)
- + Plan will be updated this summer once USDOT issues further guidance
- + Updates are expected to enhance
 - + Contracting
 - + Continued Stakeholder Engagement
 - + Equity
 - + Cybersecurity
- + Update will secure ~\$15 million for FY 24



Stations on Federally Designated AFCs (Interstates and Parkways)



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



Potential NEVI Funded DCFC Station Locations

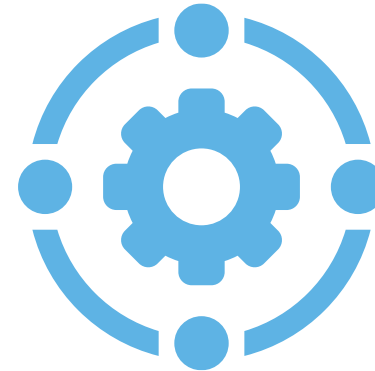
- + KYTC will not own, operate, or maintain stations
- + Industry partners will be responsible for



**Construction/
Installation**



Ownership



Operations



Maintenance

DCFC = direct current fast charging

EV Charging Program Expenditures

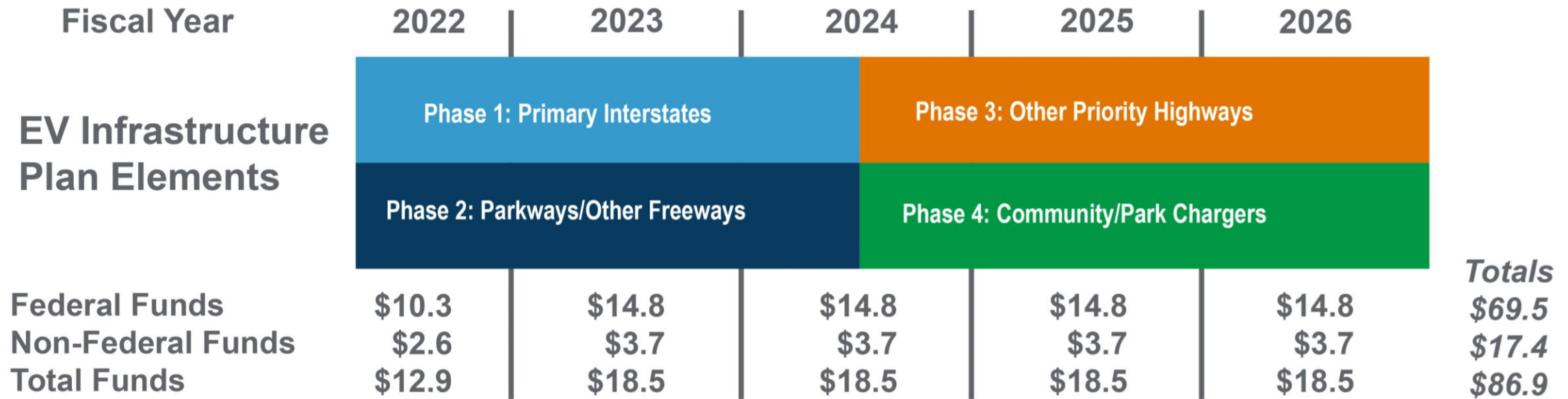
Potential Example Site

Example total cost of \$1.8M for a potential site (construction and 5 years of operations & maintenance), based on this estimate:

- + **\$1.44M** (80%) **in the first 15 months** after Notice to Proceed (NTP) to construct the station
 - + \$1.15M (Max. Federal Share, 80%)
 - + \$290,000 (Min. Site Developer Match, 20%)
- + Then **\$360,000** (20%) **over five years** to operate and maintain the station
 - + \$288,000 (Max. Federal Share, 80%)
 - + \$72,000 (Min. Site Developer Match, 20%)

Note: Substantial inflation remains an issue, coupled with ongoing uncertainty about capital and operating costs for NEVI compliant stations

Expected Federal Funds



All Numbers in Millions



*Projected Build-Out of
AFCs by 2025*



EV Charging Program Implementation

Request for Information (RFI)

- + Issued August 24, 2022
- + Sent to potential EV industry partners
- + Solicited input on potential procurement and contracting methods and issues
- + Deadline was September 30, 2022



RFI Engagement

+ Key themes

- + Utility coordination
- + Flexibility in procurement / contracting / implementation
- + Use NEVI funds to subsidize operations & maintenance

+ **Most recommended a competitive site-based procurement**

- + Especially important for rural areas

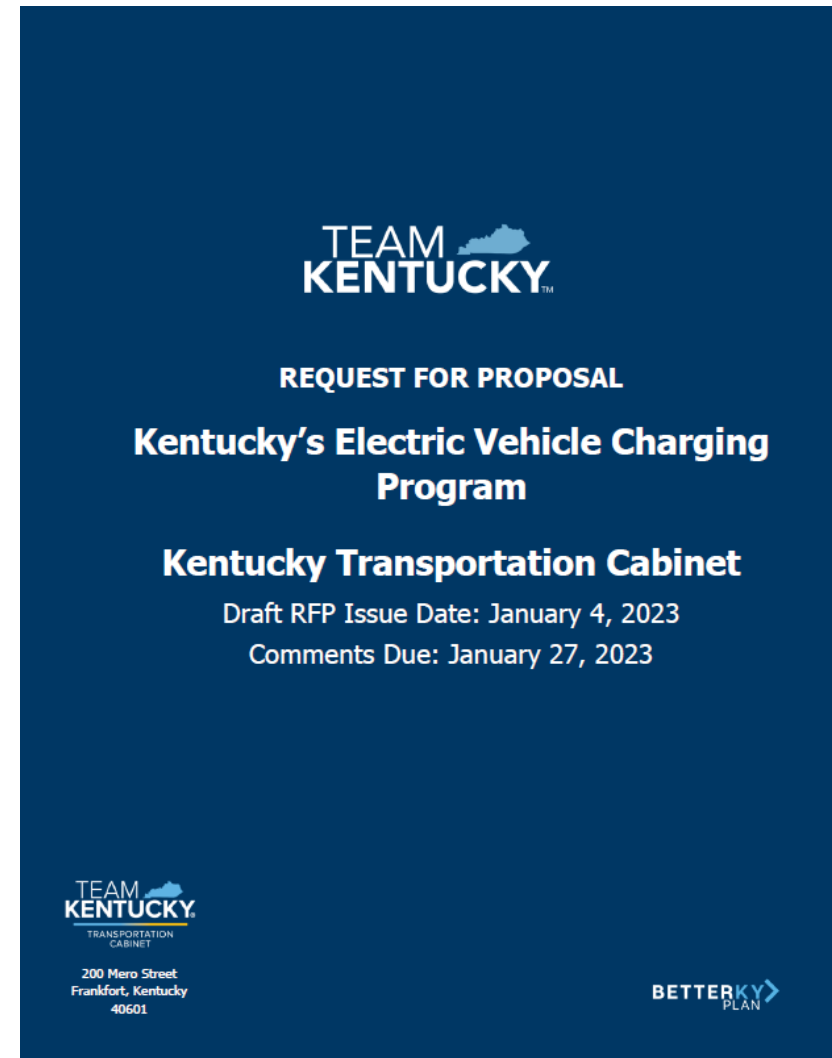
+ **Potential risks and challenges**

- + Supply chain and lead times
- + Rural operational costs and utilization levels
- + Permit review timelines
- + Utility and site-host coordination

+ **Industry leaders generally are willing to provide the 20% match**

Draft Request for Proposals (RFP)

- + Draft RFP issued January 4, 2023, comments due January 27, 2023
- + More than **150 comments** were received to help refine the Final RFP
- + Requests proposals to **construct, own, operate** and **maintain** new NEVI-compliant DC fast charging stations across Kentucky



First of Its Kind “Speedbumps”

- + **Final RFP release date** is anticipated for **June 2023**
- + Extension accommodated FHWA's review process
- + Kentucky is expected to be about 10th in issuing our RFP



RFP Requirements

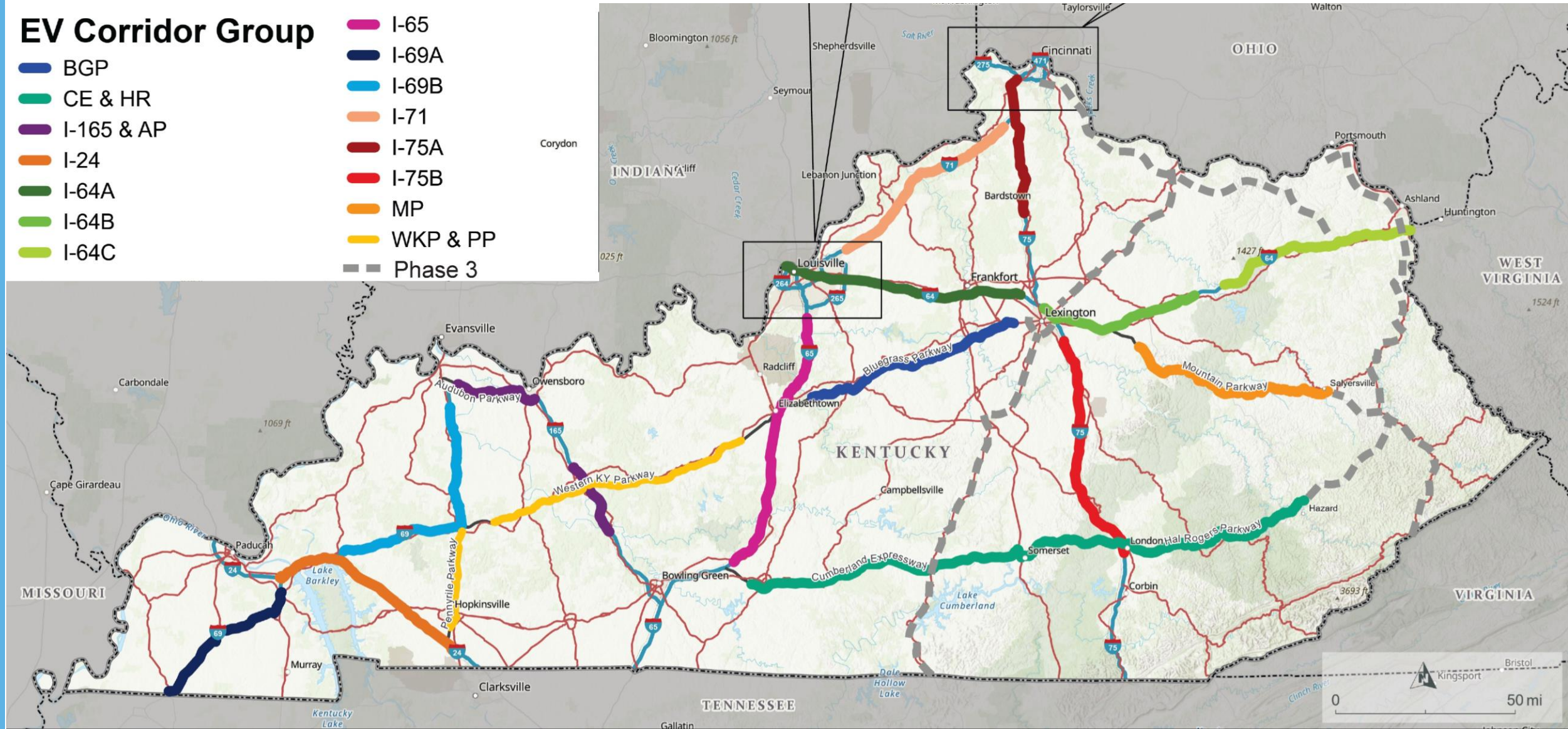
- + Contract vehicle will be through KYTC purchasing, compliant with Federal design-build procurement regulations
- + Bonding, insurance, and Federal requirements
- + KYTC will provide extensive oversight and has an inspection contract
- + Maximum return on investment over the 5-year program period



RFP EV Charging Corridor Group Map

EV Corridor Group

- BGP
- CE & HR
- I-165 & AP
- I-24
- I-64A
- I-64B
- I-64C
- I-65
- I-69A
- I-69B
- I-71
- I-75A
- I-75B
- MP
- WKP & PP
- Phase 3



RFP Scoring Criteria

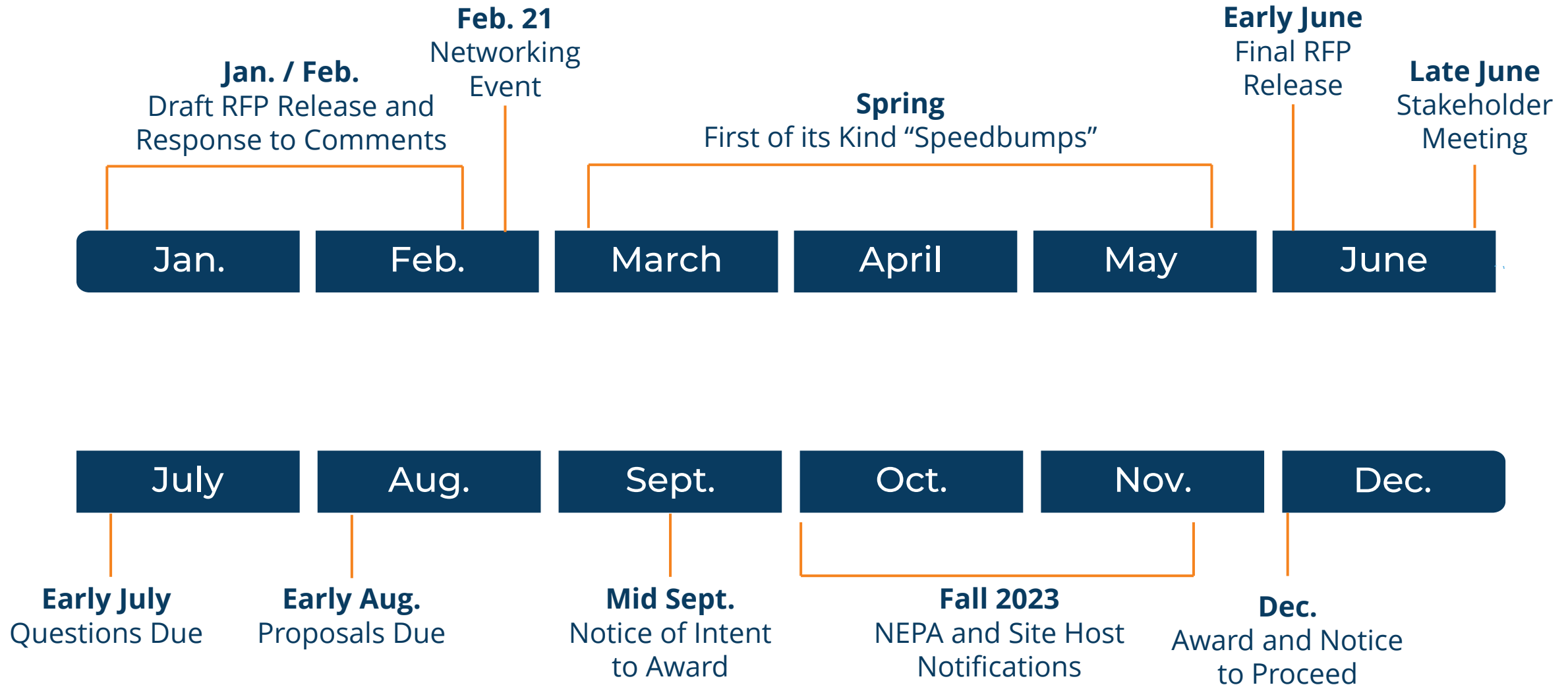
Proposal consists of
3 parts:

1. Administrative Proposal
(no points)
2. Technical Proposal
3. Cost Proposal

"Best-value" selection
that considers both
technical and price

Scoring Category	Available Points
Technical Proposal	1,400
Experience, qualifications, and technical approach	600
Proposed user experience	250
Equity and rural considerations	150
Site location	400
Technical Proposal Additional Points	200
Site considerations	60
Experience, qualifications, and technical approach	80
Proposed user experience	60
Cost Proposal	600
Total Subsidy Requested	600
Total Proposal Points	2,200

Current 2023 Schedule





Charging & Fueling Infrastructure Discretionary Grant Program

Charging and Fueling Infrastructure (CFI) Discretionary Program

- + March 14, 2023 – June 13, 2023
- + Two categories:
 - + **Corridor Programs**
 - + **Community Programs**
- + **\$2.5 billion** over five years
- + **\$700 million** for FY 2022-23



Charging and Fueling Infrastructure Discretionary Grant Program

Eligible parties

States

MPOs

U.S. Territories

Local Governments

Authorities*
(community program only)

**that own publicly accessible transportation facilities*

Corridor Program Grants

- + Up to **\$350 million** (nationally)
- + **Must be on Federally designated AFCs** (Interstates and Parkways in KY)
- + **Minimum award \$1million; no maximum**
- + Must use funds to contract with a private entity
- + Must address environmental justice
- + Needs to be accessible and usable by individuals with disabilities



Community Program Grants

- + Up to **\$350 million** (nationally)
- + **Can fund charging in any publicly accessible location in the state**
(not limited to AFCs)
- + Awards from **\$500,000 to \$15 million**
- + Must address environmental justice
- + Must be accessible and usable by individuals with disabilities



Community Program Grant Applicants

Agencies that have requested letters of support from KYTC

- + Pennyrile ADD
 - + Cities of Livingston, Central City, and Hopkinsville
- + Kentucky River ADD
 - + City of Hazard and Perry County
- + Louisville Metro
- + KIPDA
 - + City of Taylorsville and Spencer County
- + City of Versailles



Questions and Discussion

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For More Information

Email Address:

EVChargingProgram@ky.gov

Program Website:

EVCharging.KY.gov

