



Kentucky EV Infrastructure Deployment Update

11/2/22



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Kentucky's EV
Plan

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RFI and RFP
Process

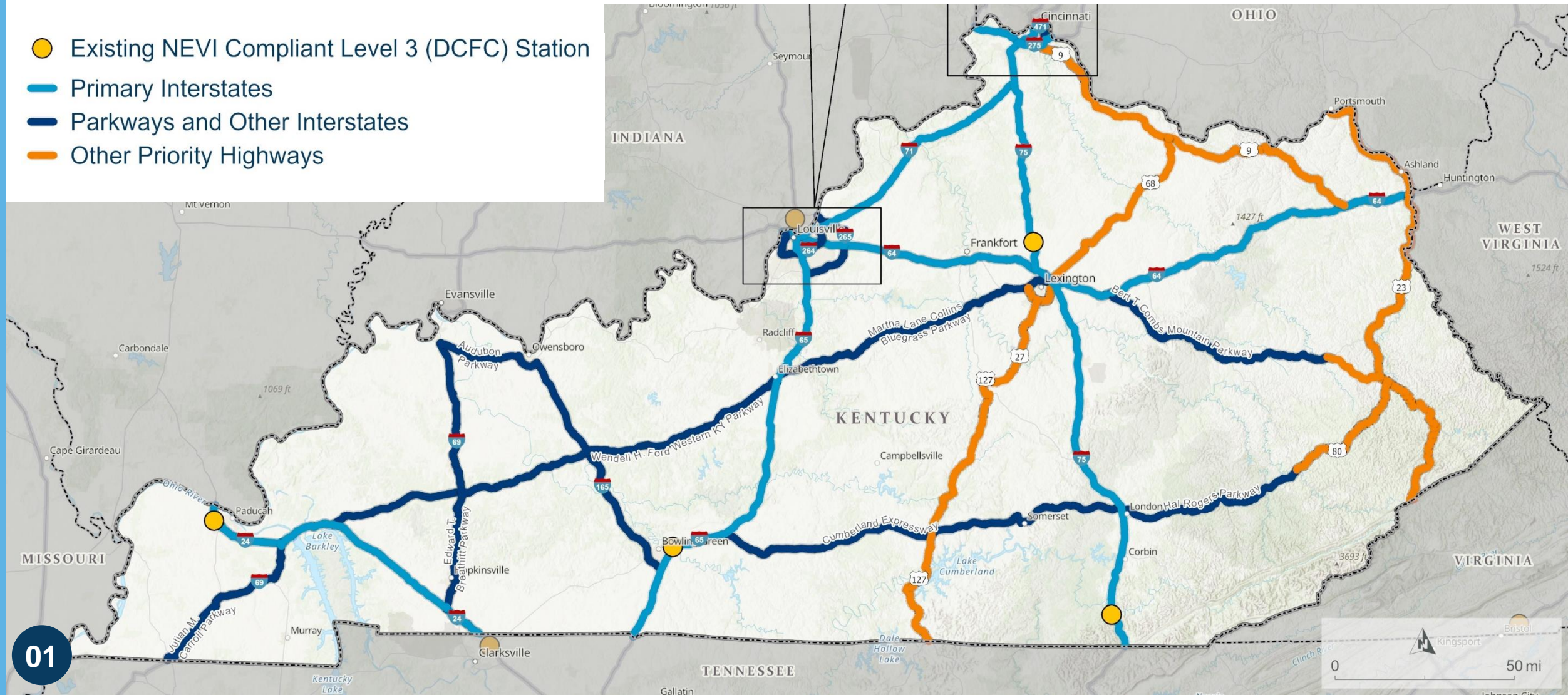
Kentucky's EV Plan Vision

A reliable, accessible, convenient, and affordable EV charging network that supports transportation choices, energy diversification, economic development, and environmental sustainability for all Kentuckians



Kentucky's High Priority EV Corridors

- Existing NEVI Compliant Level 3 (DCFC) Station
- Primary Interstates
- Parkways and Other Interstates
- Other Priority Highways

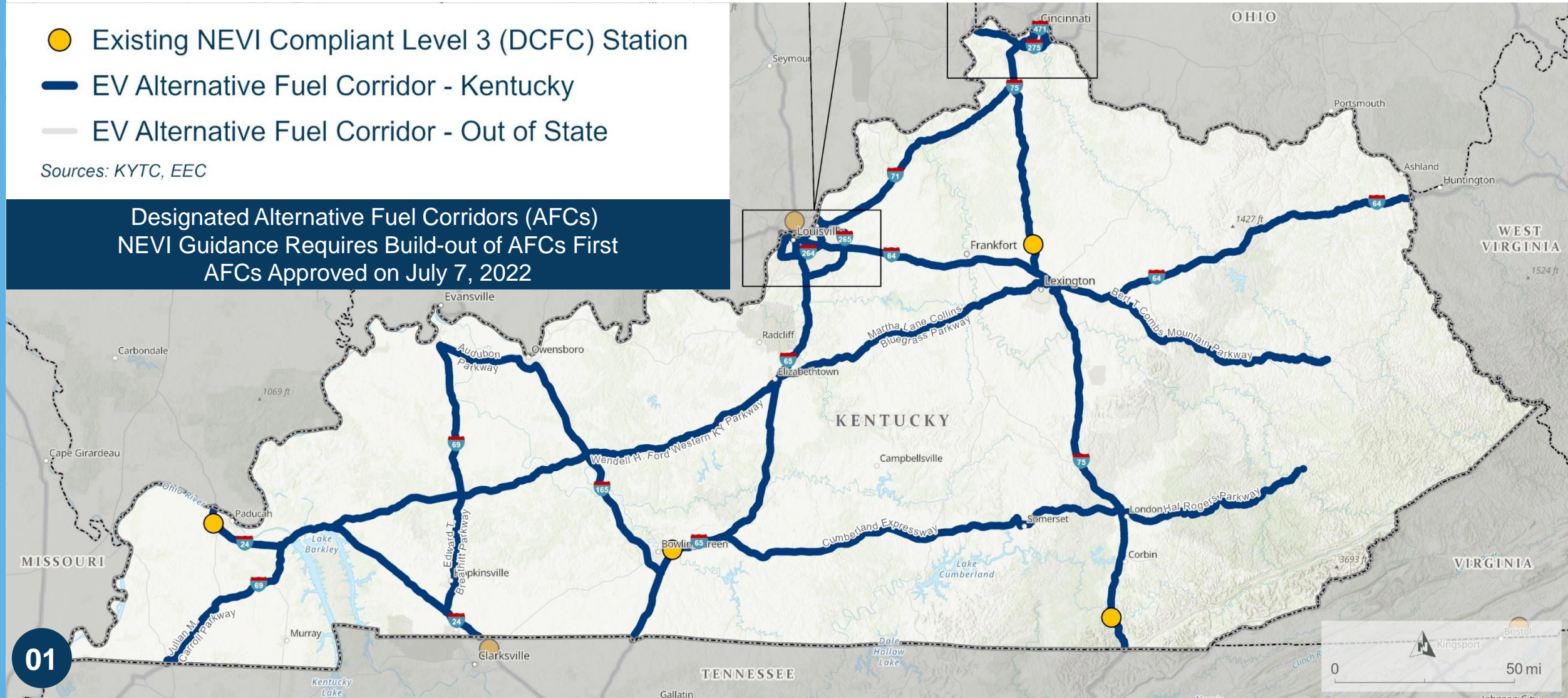


1st Step – Build-Out the Federally Designated Alt. Fuel

- Existing NEVI Compliant Level 3 (DCFC) Station
- EV Alternative Fuel Corridor - Kentucky
- EV Alternative Fuel Corridor - Out of State

Sources: KYTC, EEC

Designated Alternative Fuel Corridors (AFCs)
NEVI Guidance Requires Build-out of AFCs First
AFCs Approved on July 7, 2022



Federal Funds for EV Infrastructure



2021 Infrastructure Investment and Jobs Act (IIJA)

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

Federal Funds for EV Infrastructure

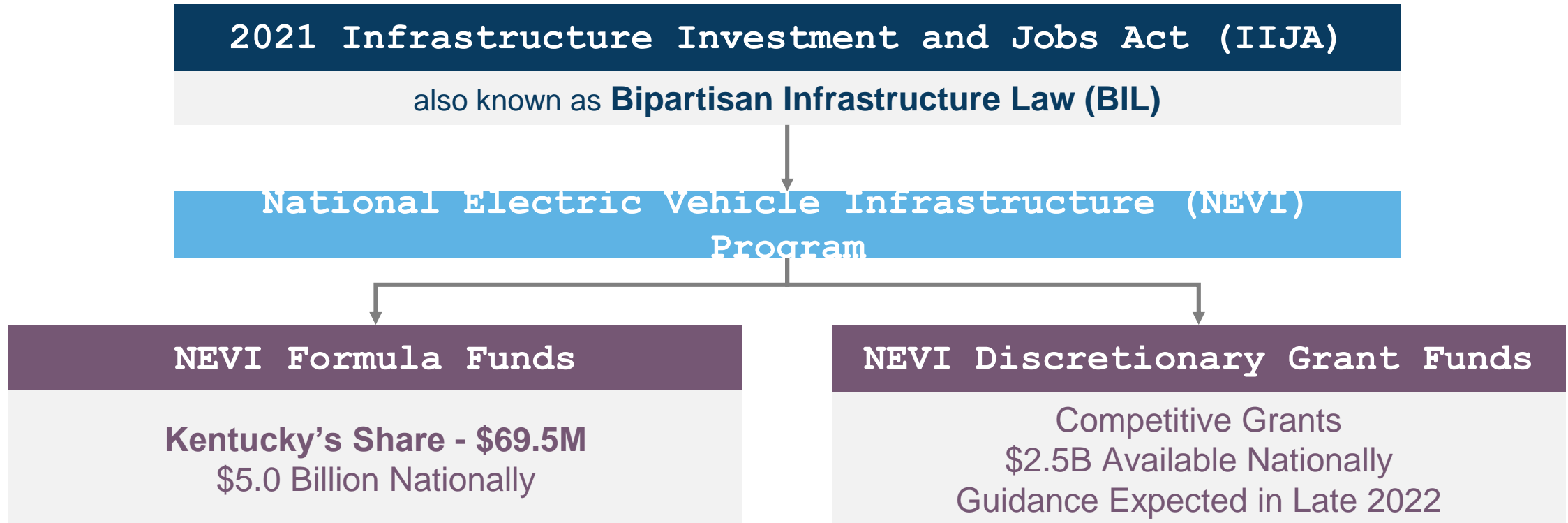
2021 Infrastructure Investment and Jobs Act (IIJA)

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



National Electric Vehicle Infrastructure (NEVI)
Program

Federal Funds for EV Infrastructure



EV Infrastructure Plan Approved

- Received Federal Approval on September 14th
- In first group of states to be approved
- Secured First \$25 Million in NEVI Federal Formula Funding (FY 22 & 23)



OFFICE OF GOVERNOR ANDY BESHEAR

FOR IMMEDIATE RELEASE

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Gov. Beshear: Kentucky to Receive Nearly \$70 Million to Develop Statewide Electric Vehicle Charging Network

Federal government approves Kentucky's plan, further cementing the state's status as a leader in EV revolution

FRANKFORT, Ky. (Sept. 15, 2022) – Today, Gov. Andy Beshear announced that Kentucky, having already attracted more than \$9 billion of investments from electric vehicle battery makers and automotive suppliers, has received federal approval to develop a nearly \$70 million electric vehicle charging network.

Expected Federal Funds

Fiscal Year	2022	2023	2024	2025	2026	
EV Infrastructure Plan Elements	Phase 1: Primary Interstates (~\$17M)		Phase 3: Other Priority Highways (\$TBD)			
	Phase 2: Parkways/Other Freeways (~\$23M)		Phase 4: Community/Park Chargers (\$TBD)			
	P1 & P2 Combined (~\$40M)					
Federal Funds	\$10.3	\$14.8	\$14.8	\$14.8	\$14.8	Totals \$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

All Numbers in Millions

Projected Build-Out of AFCs in ~2024

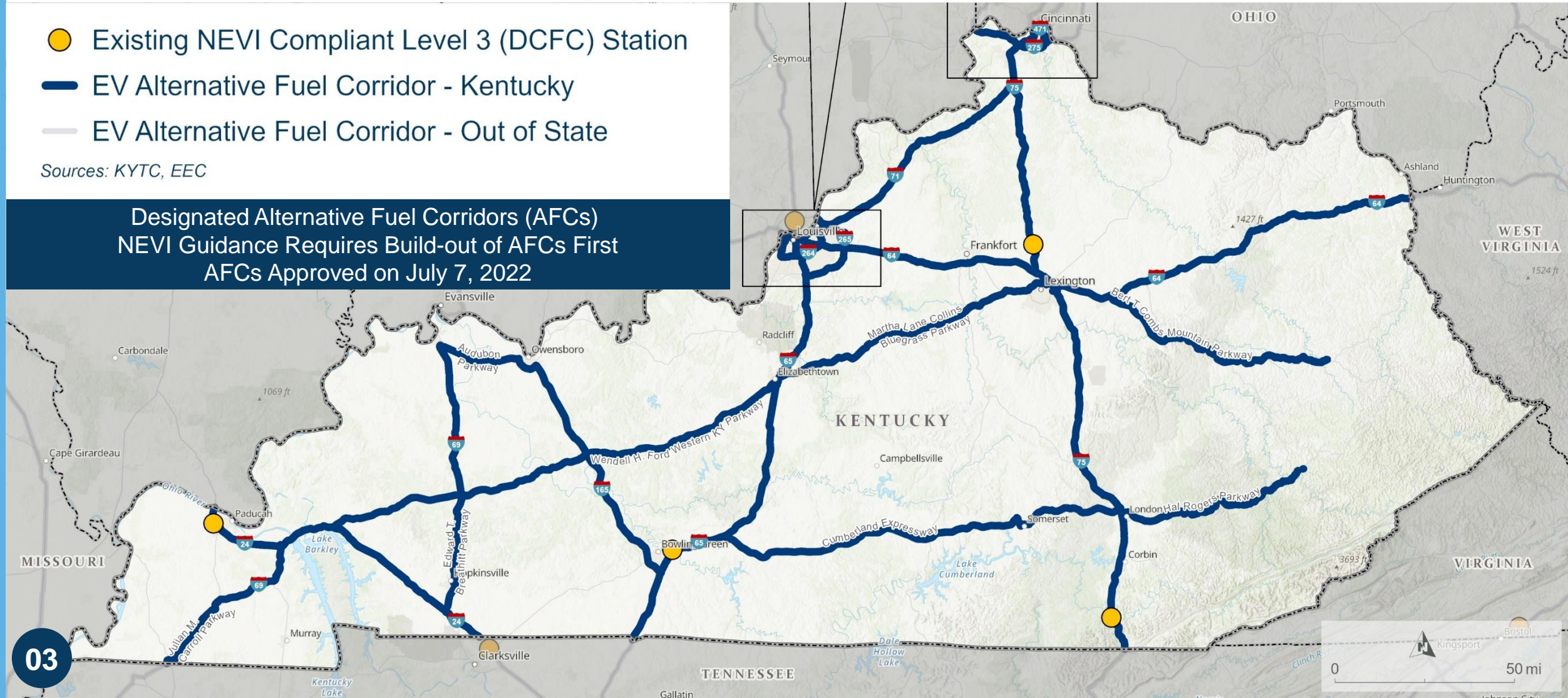
Initial Stations Must be on AFCs

Until AFC Build-Out

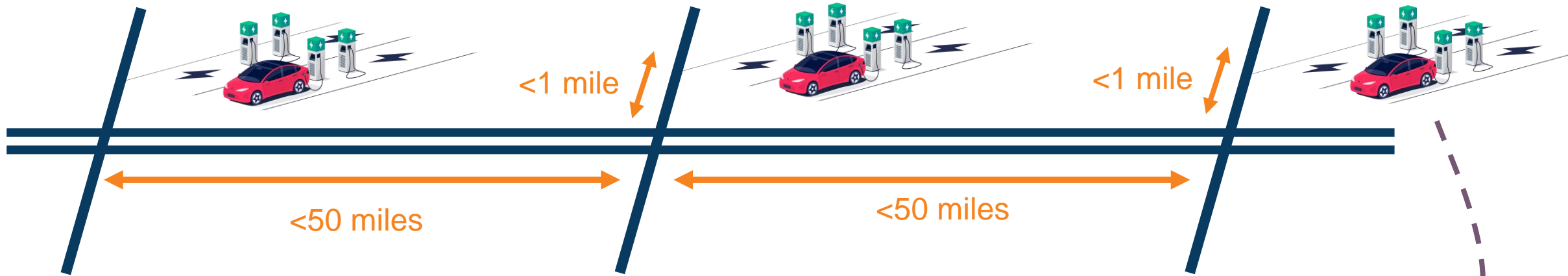
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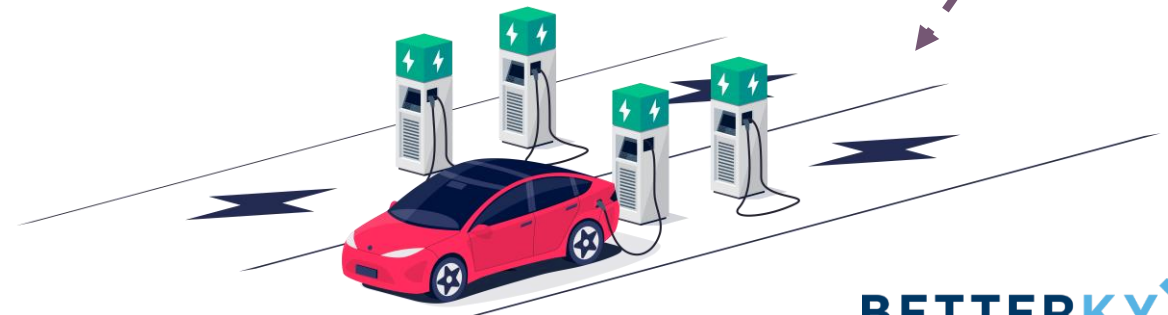
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DCFC Stations on AFCs



- + <50 Mile Spacing; <1 Mile From Corridor
- + At Least (4) 150 kW DC Fast Charging Ports (600kW Total)
- + Open to General Public (Not Proprietary)



Potential NEVI Funded DCFC Locations

- **Suitable Locations – Where can stations go?**

Power Availability / Reliability; Distance to NEVI Stations; Long-Distance Trips

- **Priority Locations – Where are they most needed?**

Distance to Other Stations; Rural Designation; Justice40 Designation

KYTC will Not Own, Operate, or Maintain Stations

Private Firms will be Involved in:

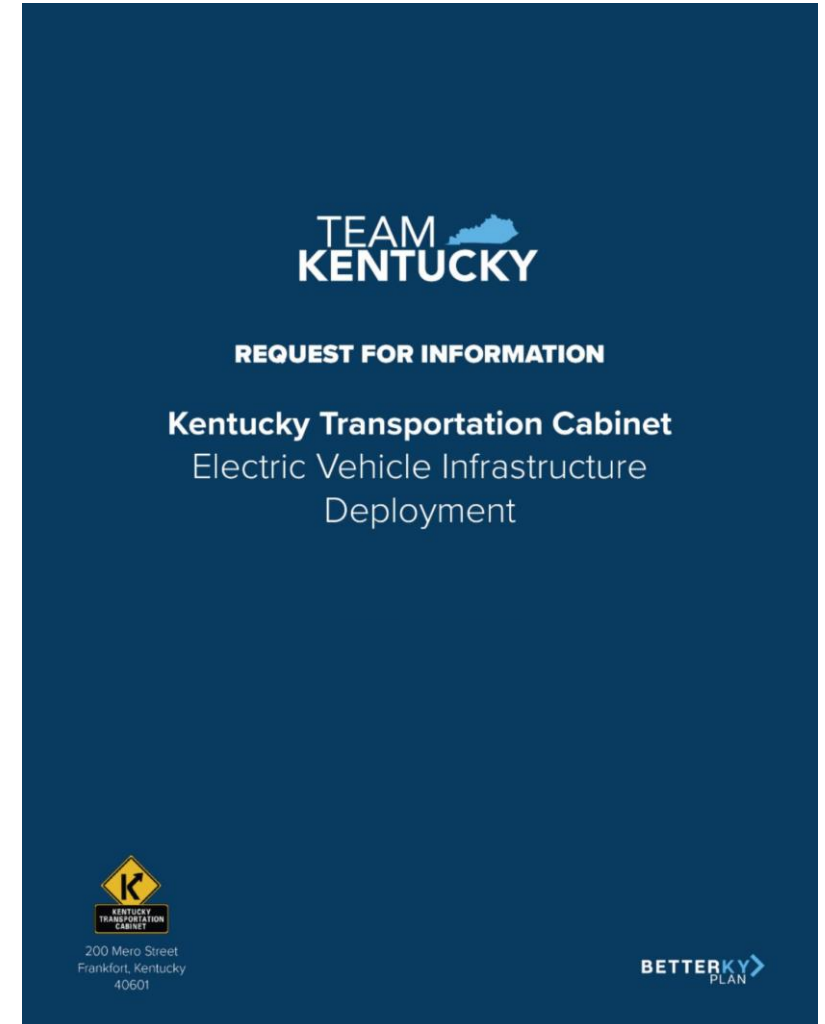
- Procurement
- Contracting
- Implementation
- Site Selection

Charging Station Costs

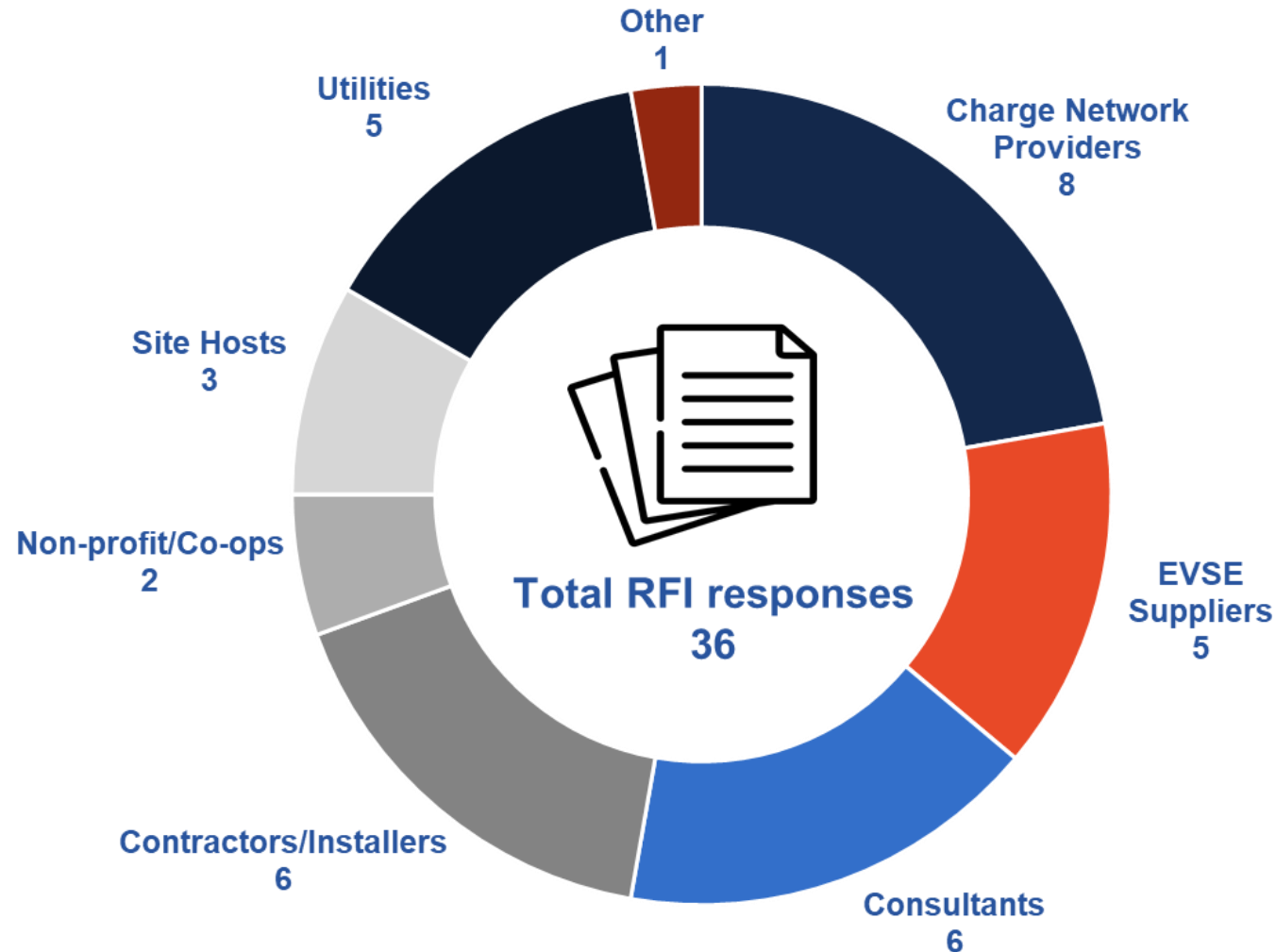
- Capital Cost – Approx. \$800,000 to \$1.2 Million per Station
- Final Cost will Depend on
 - Power Availability
 - Site Design/Layout
 - Any Additional Station Features
- Total Capital Cost to Build-Out AFCs is Estimated at ~\$40M
- Operating and Maintenance Costs
 - Uncertain at Present
- Considerable Market Volatility Affecting Capital and O&M Costs

Request for Information

- **Issued August 24**
- **Sent to potential EV industry partners**
- **Solicits input on potential procurement and contracting methods and issues**
- **Deadline was September 30**

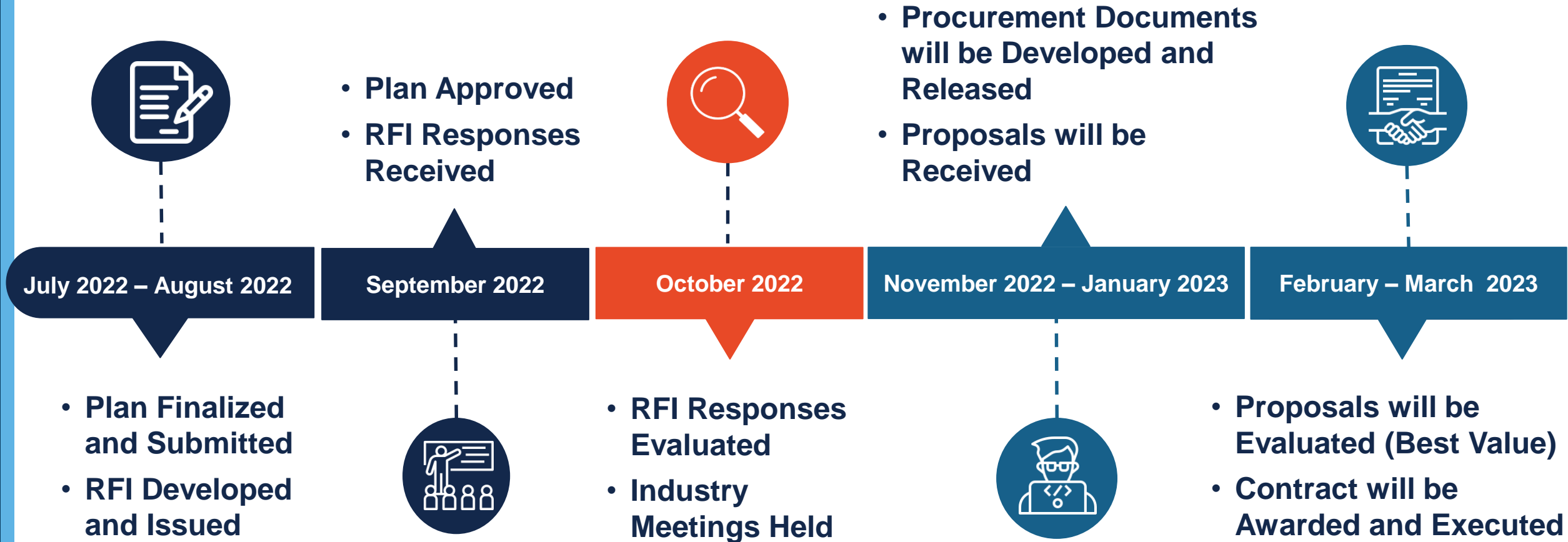


36 RFI Responses Across 8 Market Categories



Follow-up meetings with select firms are designed to allow respondents to provide more detailed responses

Process and Schedule





Questions?

