



# National Electric Vehicle Infrastructure (NEVI) Overview and Update

Ryan Huff, PE



ENVIRONMENT & AGRICULTURE

## Biden administration touts \$1.2 billion sent to Nebraska via infrastructure law

Ricketts spokeswoman said that more than half is existing spending

BY: PAUL HAMMEL - NOVEMBER 16, 2022 5:45 AM



## Nebraska gets \$30 million to enhance electric vehicle charging network

As part of President Biden's Infrastructure Law, Nebraska will get \$10.9 million over the first two years to expand charging stations and focus on the I-80 corridor.

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Updated: 6:41 PM CDT Sep 15, 2022

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 **Bill Schammert**  
Anchor



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## Biden-Harris Administration Announces Approval of First 35 State Plans to Build Out EV Charging Infrastructure Across 53,000 Miles of Highways

Wednesday, September 14, 2022

*President Biden's Bipartisan Infrastructure Law Provides \$5B in NEVI Formula Funding to Help States Install Chargers Along Interstate Highways Additional EV Charging Funding to Come*

WASHINGTON – The Biden-Harris Administration today announced more than two-thirds of Electric Vehicle (EV) Infrastructure Deployment Plans from States, the District of Columbia and Puerto Rico have been approved ahead of schedule under the National Electric Vehicle Infrastructure (NEVI) Formula Program, established and funded by President Biden's Bipartisan Infrastructure Law. With this early approval, these states can now unlock more than \$1 billion in NEVI formula funding from FY22 and FY23 to help build EV chargers across approximately 53,000 miles of highway across the country. The NEVI formula funding under the Bipartisan Infrastructure Law, which makes \$5 billion

# NEVI Basics



## Program Purpose:

- *“The BIL establishes a National Electric Vehicle Infrastructure Formula Program (“NEVI Formula”) to provide funding to States to **strategically deploy electric vehicle (EV) charging infrastructure** and to establish an interconnected network to facilitate data collection, access, and reliability.”*

## NDOT:

- Formula Funds
- \$6 Million/Year
- 5 Years
- 80/20 Program

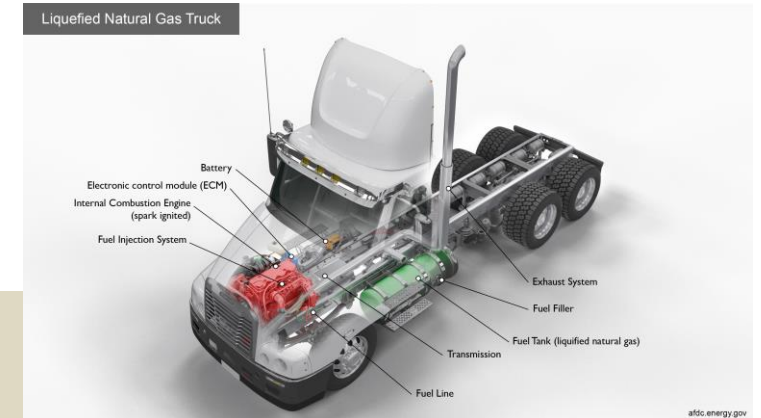
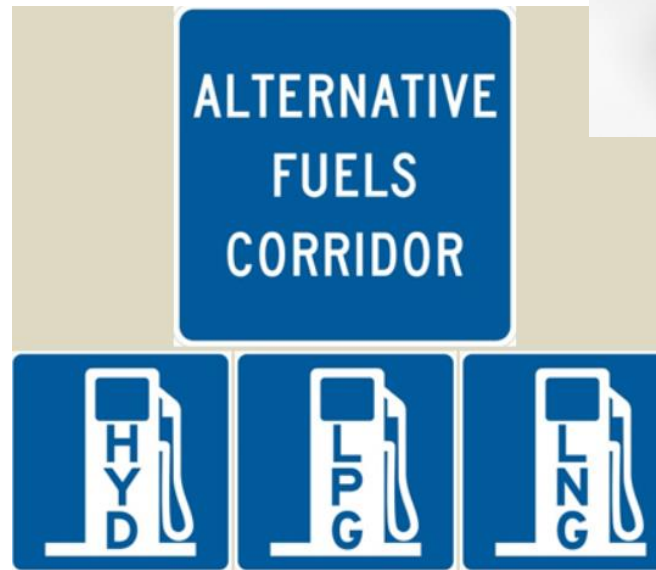
# NEVI Program Requirements



- Build on “Alternative Fuel Corridors” (AFCs) first

“A national network of alternative fueling and charging infrastructure along national highway system corridors”

- electric vehicle (EV) charging
- liquified petroleum gas (LPG),
- compressed natural gas (CNG)
- liquid natural gas (LNG)
- hydrogen

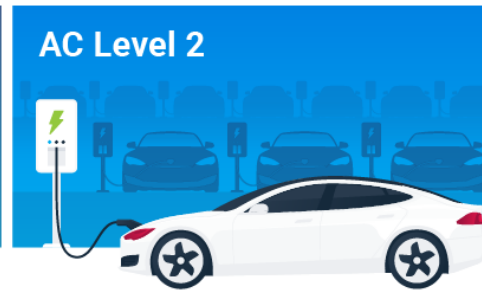


# NEVI Program Requirements

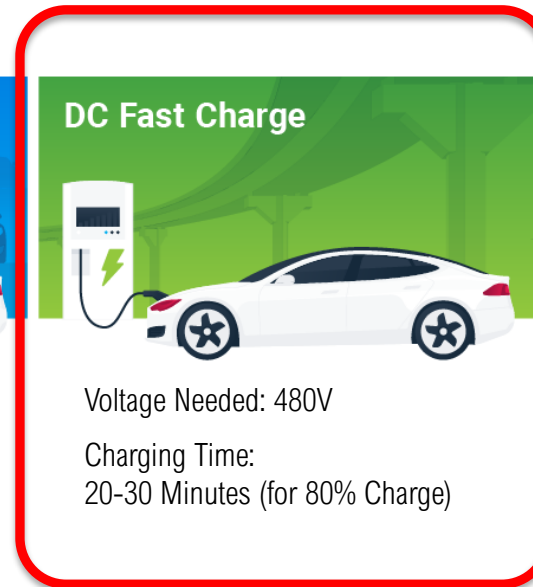
- Build on “Alternative Fuel Corridors” (AFCs) first
- **DC Fast Chargers**



Voltage Needed: 120V  
Charging Time:  
20-24 Hours (for 80% Charge)



Voltage Needed: 240V  
Charging Time:  
2-5 Hour (for 80% Charge)



Voltage Needed: 480V  
Charging Time:  
20-30 Minutes (for 80% Charge)

## Other Requirements

- Four 150 kW DC Fast Chargers
- Simultaneous Charging (600 kW)
- Additional considerations – to be named later

# NEVI Program Requirements

- Build on “Alternative Fuel Corridors” (AFCs) first
- DC Fast Chargers
- **Every 50 miles, within 1 mile**



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# NEVI Program Requirements

- Build on “Alternative Fuel Corridors” (AFCs) first
- DC Fast Chargers
- Every 50 miles, within 1 mile
- Must be publicly accessible
- **Equity**

Executive Order 14008 made a goal that 40 percent of the overall benefits of certain Federal investments flow to disadvantaged communities that are marginalized, underserved, and overburdened by pollution



## JUSTICE40

A WHOLE-OF-GOVERNMENT INITIATIVE



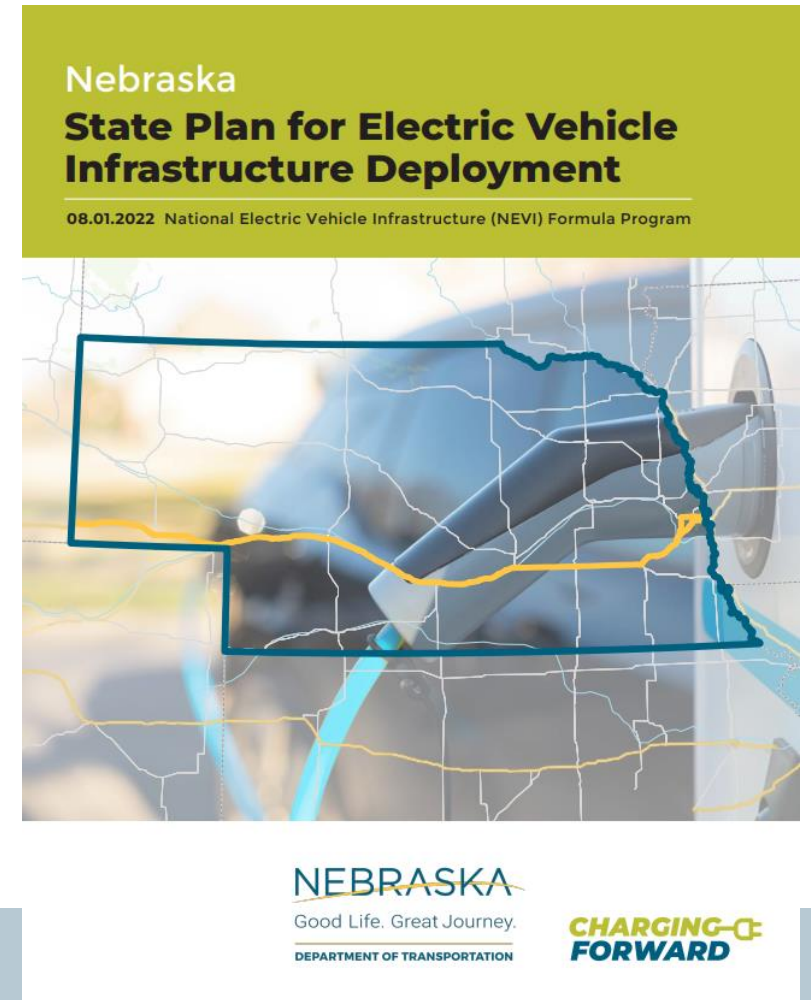
ENVIRONMENTAL JUSTICE



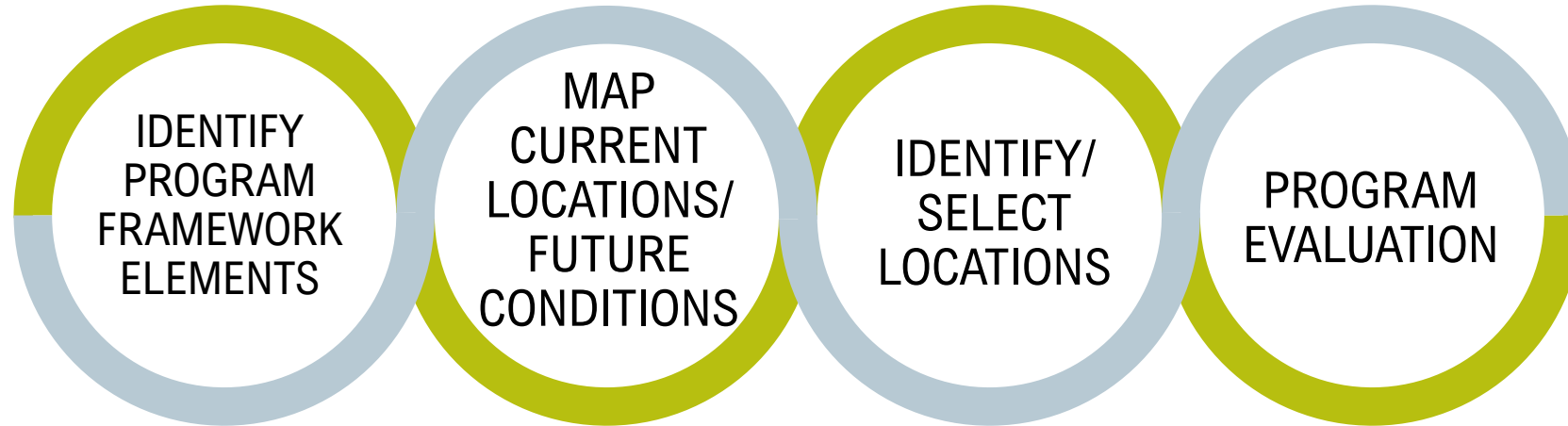
# NEVI Program Requirements



- Build on “Alternative Fuel Corridors” (AFCs) first
- DC Fast Chargers
- Every 50 miles, within 1 mile
- Must be publicly accessible
- Equity
- **Must have a Plan - updated yearly**



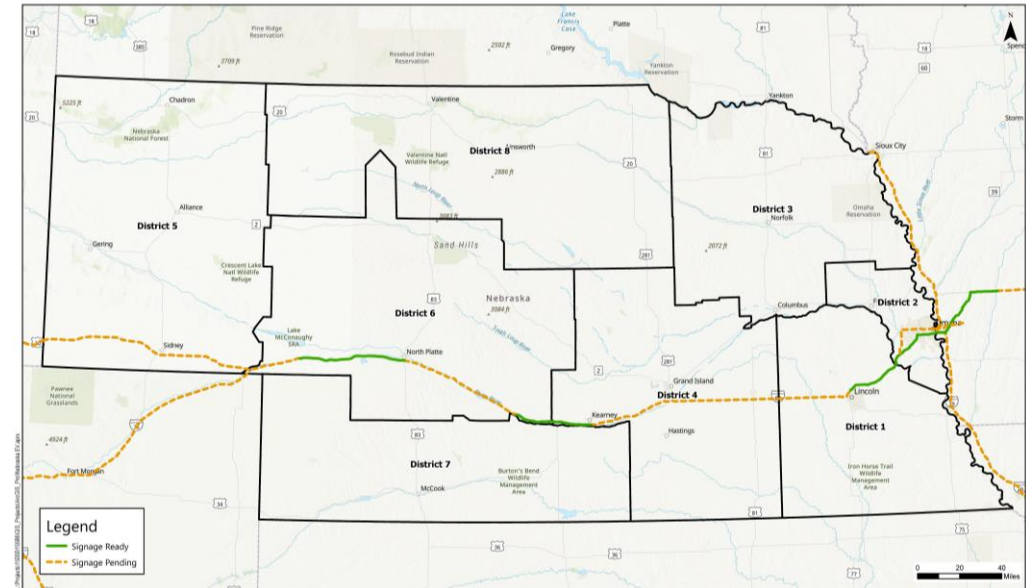
# 2022 NEVI Plan Overview



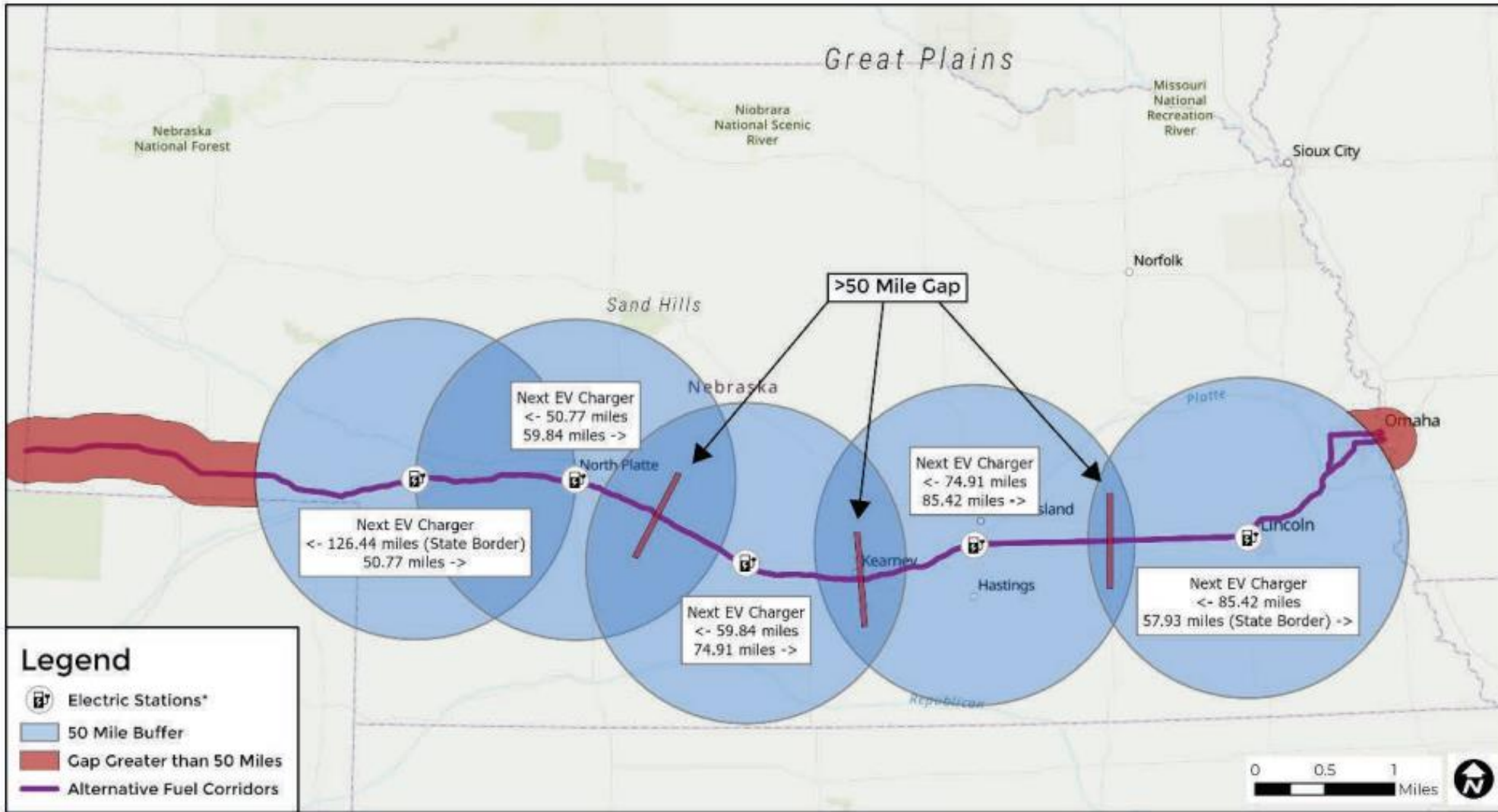
# Current Conditions – EVs by District



NDOT District	Total Vehicles	Gas Powered	Diesel Powered	Gas/Hybrid	Plug In Hybrid	Full Electric	Other (Flex Fuels and Natural Gas Fuel Vehicles)
1	365,979	307,962	14,191	6,583	392	632	36,220
2	611,004	533,008	12,111	10,839	851	1,652	52,543
3	173,005	138,532	9,941	1,555	71	56	22,849
4	205,813	166,515	11,089	2,084	92	138	25,895
5	79,841	64,275	6,161	787	31	31	8,556
6	80,663	64,322	5,817	763	30	24	9,707
7	58,434	44,949	5,132	511	13	16	7,812
8	29,458	22,176	3,316	158	3	10	3,795
	<b>1,604,196</b>	<b>1,341,738</b>	<b>67,758</b>	<b>23,281</b>	<b>1,483</b>	<b>2,559</b>	<b>167,378</b>



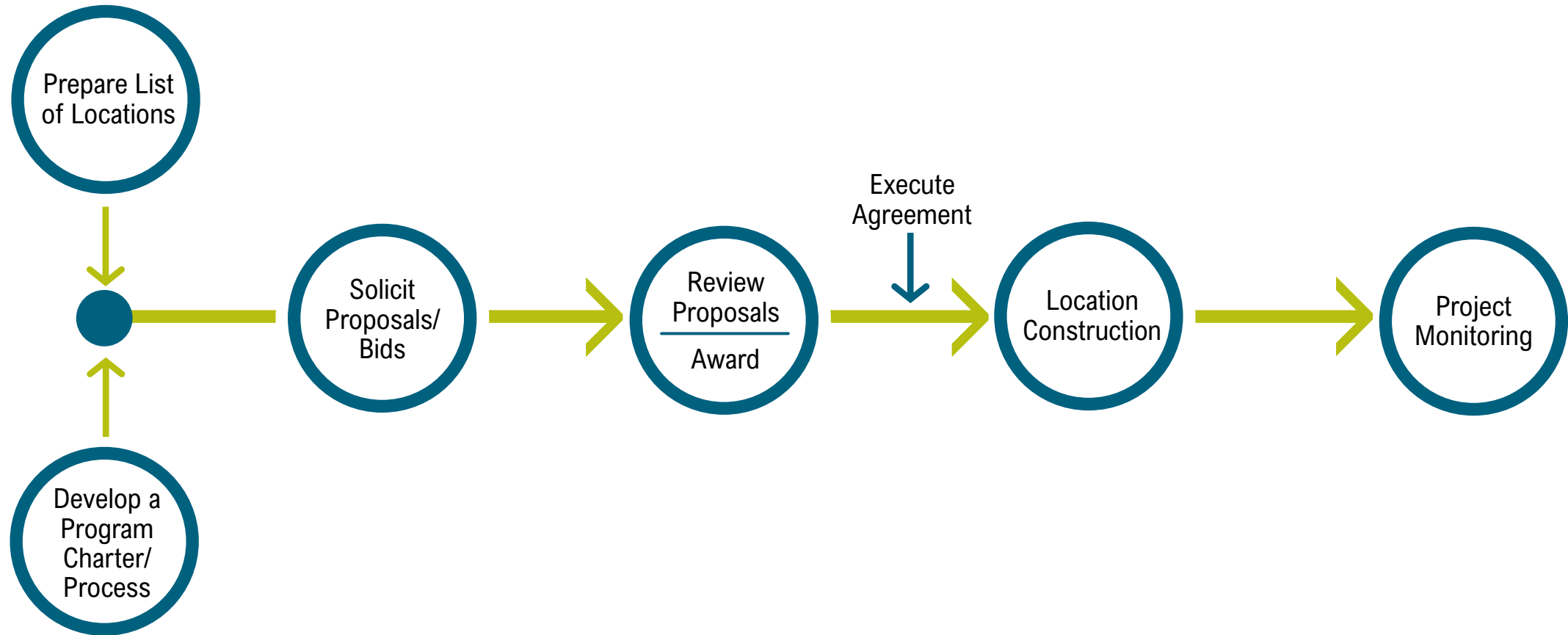
# Finding the Gaps



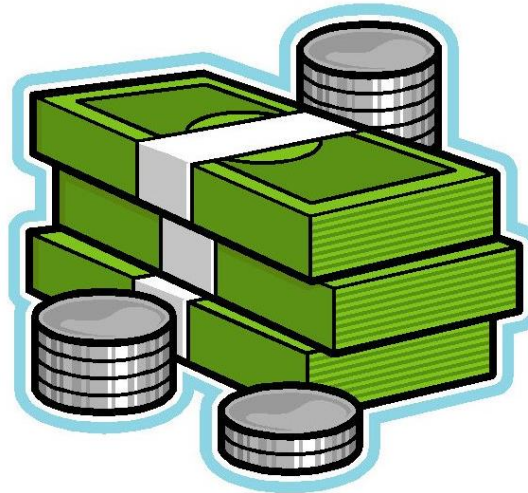
- Kimball
- Sidney
- Big Springs
- Gothenburg
- Kearney
- York
- Omaha



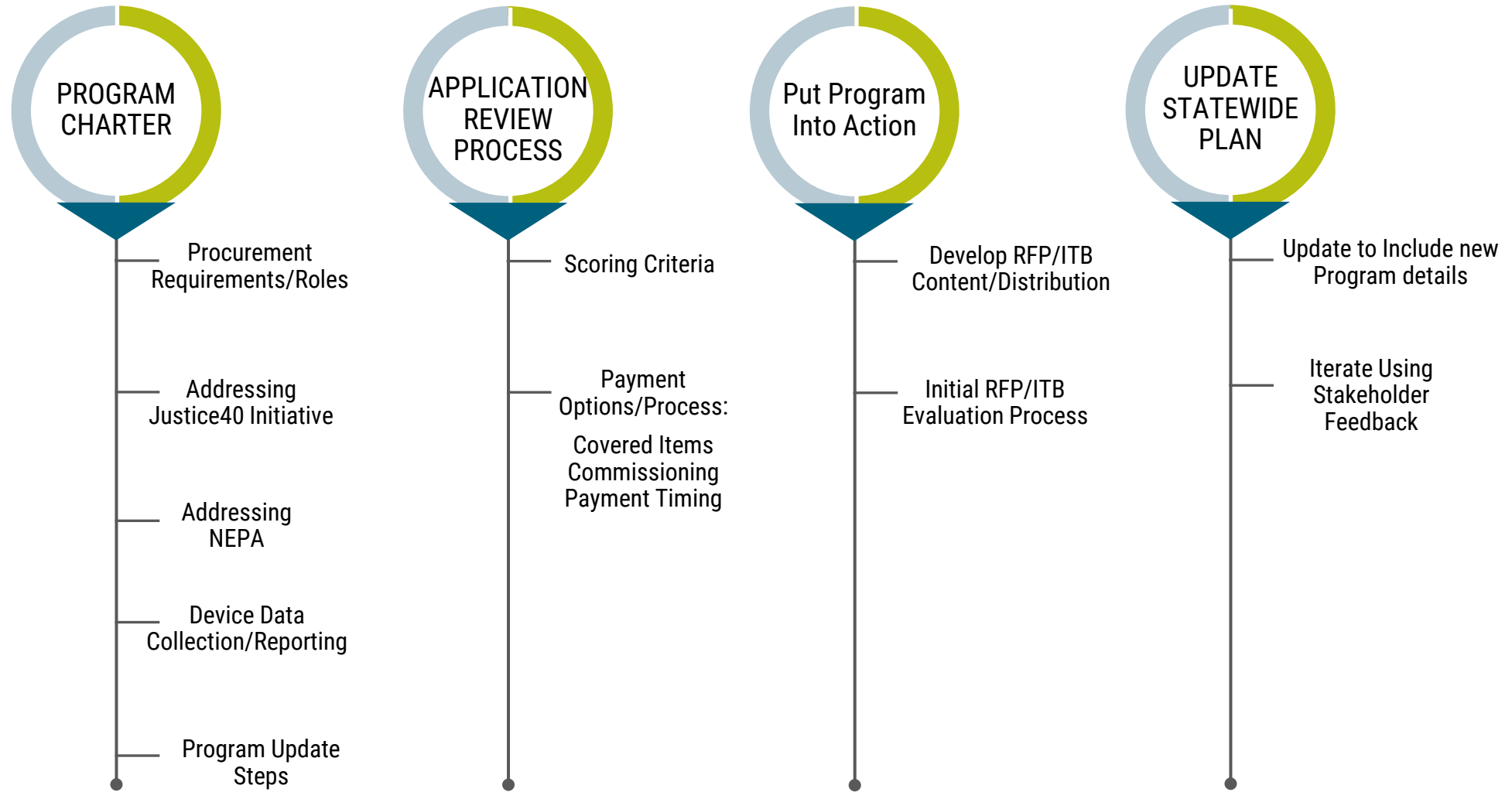
# Draft Program Framework



# Scoring Criteria



# 2023 Plan and Program Updates





# Proposed Schedule



DEC 2022 – FEB 2023

JAN 2023 – APR 2023

MAY 2023 – AUG 2023

SEPT 2023 – DEC 2023

Initiation



Application  
Process

RFP/NOFO/ITB



Update Plan



Stakeholders Group

# Questions / Discussion

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