



Electric Vehicle (EV) Infrastructure Deployment

Utility Workshop

2-24-2023

Agenda



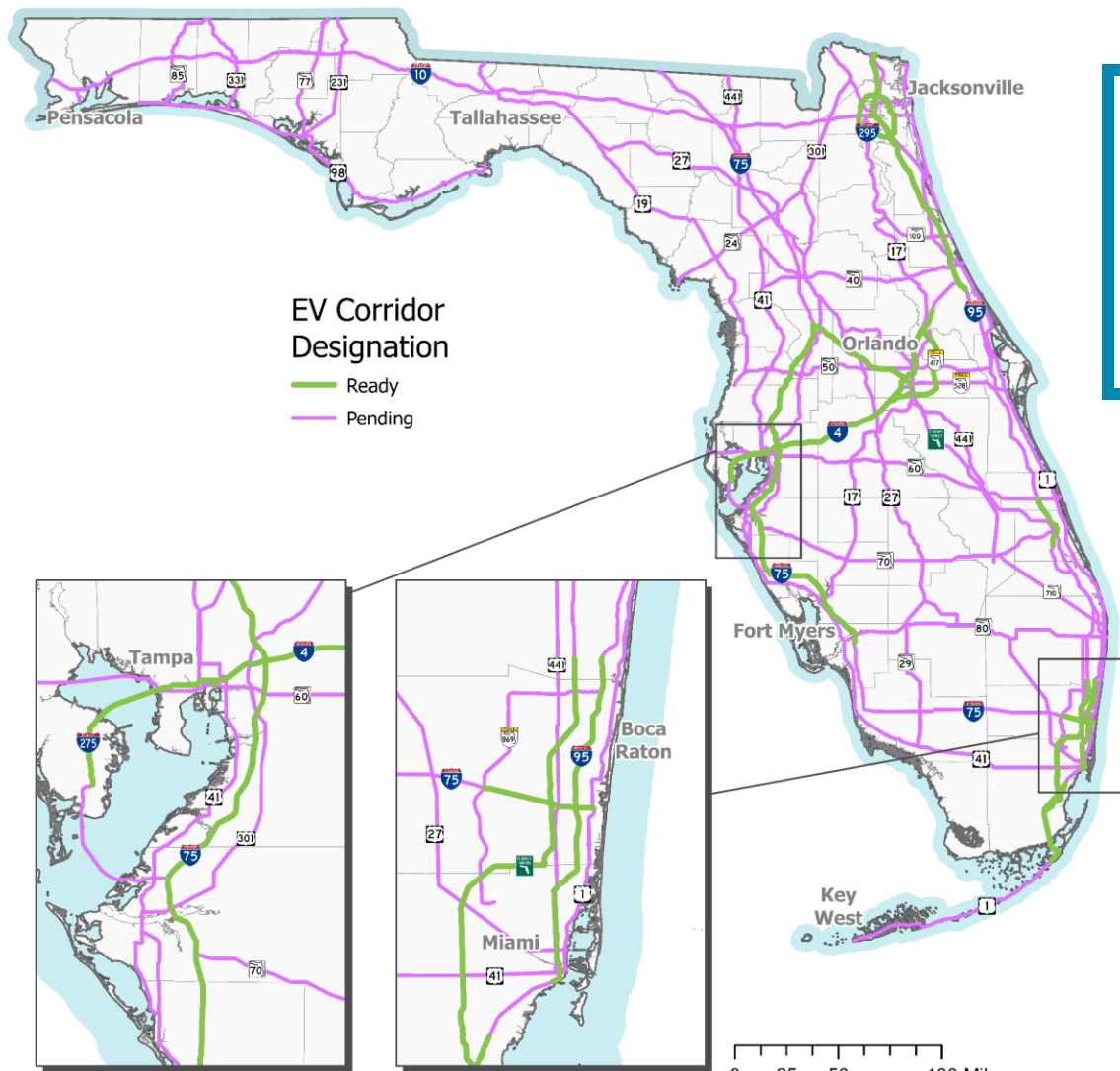
- 01 Overview of the NEVI Program
- 02 Location of Phase 1 Sites
- 03 Role of Utilities in NEVI Application Process
- 04 NEVI Timeline
- 05 Utility Feedback on NEVI Request Form
- 06 Utility Contact Information
- 07 General Feedback Session

National Electric Vehicle Infrastructure Formula Program

NEVI

- **\$5B** formula
- **\$2.5B** discretionary
- **AFCs** national charging network





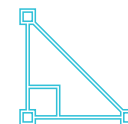
EV Corridor
Designation

- Ready
- Pending

NEVI Requirements



Site location



Spacing






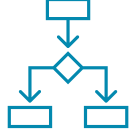


Charger requirements



FDOT requirements

Source: FHWA Designation of AFC Corridors as of 7/5/22

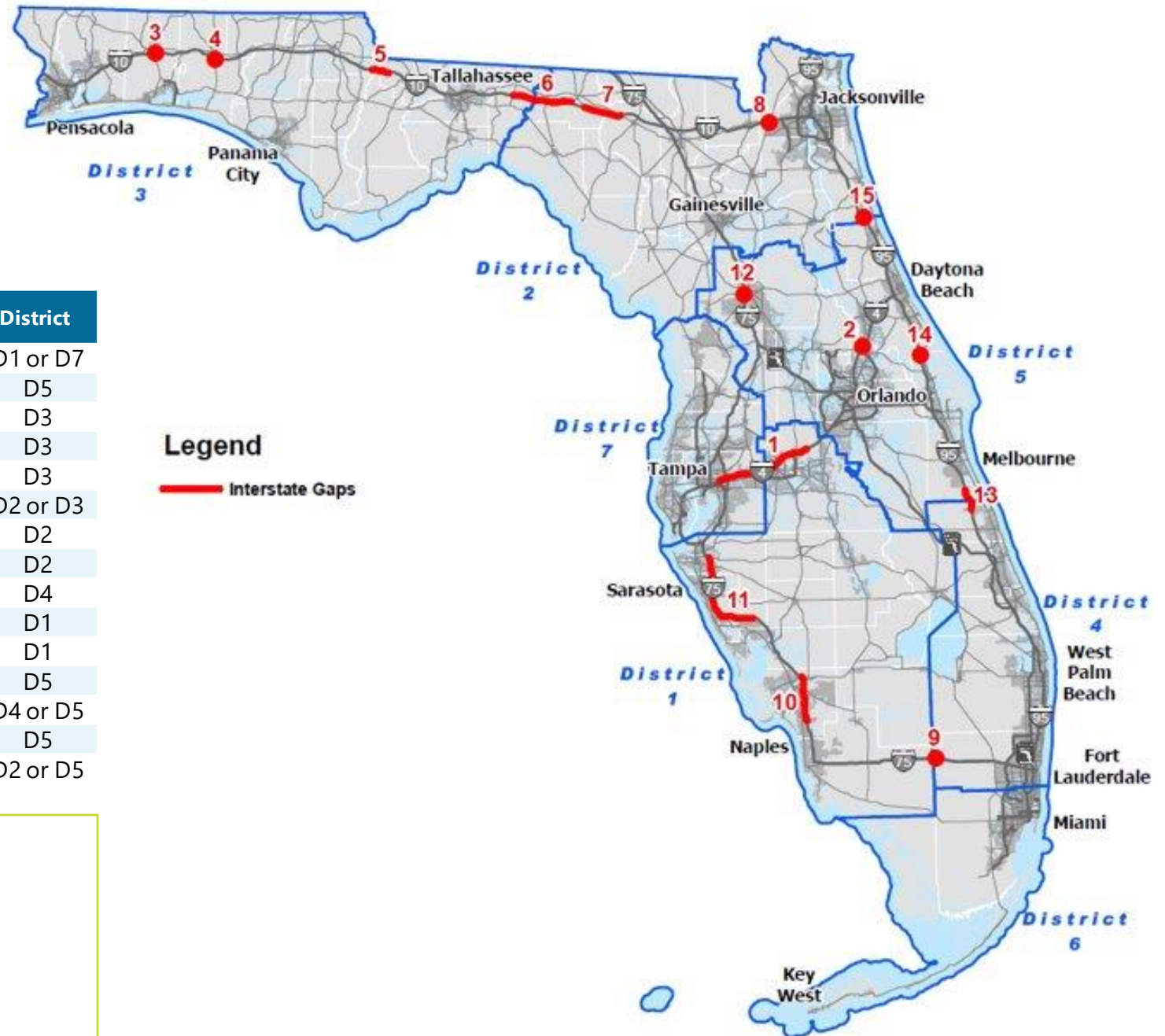
FDOT's Grant Approach

-  FDOT will not own or operate the EV chargers
-  Multiple sites selected through the Requests for Applications (RFAs)
-  Meets industry's request for clear, competitive, replicable process
-  Competitive selection of proposers
-  Prioritize sites that are ready - preliminary agreement from host
-  80% Funding from NEVI
20% Funding from Applicant

Phase 1

Gap Segment	Corridor	Start – Mile Post	End – Mile Post	Sites Required	District
1	Interstate 4 (SR 400)	5	48	1	D1 or D7
2	Interstate 4 (SR 400)	104	104	1	D5
3	Interstate 10 (SR 8)	56	56	1	D3
4	Interstate 10 (SR 8)	85	85	1	D3
5	Interstate 10 (SR 8)	158	166	1	D3
6	Interstate 10 (SR 8)	225	251	1	D2 or D3
7	Interstate 10 (SR 8)	258	275	1	D2
8	Interstate 10 (SR 8)	343	343	1	D2
9	Interstate 75 (SR 93)	49	49	1	D4
10	Interstate 75 (SR 93)	123	143	1	D1
11	Interstate 75 (SR 93)	179	220	1	D1
12	Interstate 75 (SR 93)	352	352	1	D5
13	Interstate 95 (SR 9)	156	166	1	D4 or D5
14	Interstate 95 (SR 9)	231	231	1	D5
15	Interstate 95 (SR 9)	298	298	1	D2 or D5

- D1: 3 sites (1 gap is shared with D7)
- D2: 4 sites (2 gaps are shared with D3 and D5)
- D3: 4 sites (1 gap is shared with D2)
- D4: 2 sites (1 gap is shared with D5)
- D5: 5 sites (2 gaps are shared with D2 and D4)
- D6: none
- D7: 1 site (shared with D1)



Site Utilities

 **Please confirm which gap segments fall within your service area.**

Gap Segment	Corridor	Start – Mile Post	End – Mile Post	Utility
1	Interstate 4 (SR 400)	5	48	Tampa Electric Co City of Bartow City of Lakeland
2	Interstate 4 (SR 400)	104	104	Florida Power & Light Co City of New Smyrna Beach
3	Interstate 10 (SR 8)	56	56	Gulf Power Co
4	Interstate 10 (SR 8)	85	85	Choctawhatchee Elect Coop, Inc Gulf Power Co
5	Interstate 10 (SR 8)	158	166	Florida Public Utilities Co Gulf Power Co West Florida El Coop Assn, Inc Havana Power & Light Co Talquin Electric Coop, Inc
6	Interstate 10 (SR 8)	225	251	Duke Energy Florida, LLC Tri-County Electric Coop, Inc
7	Interstate 10 (SR 8)	258	275	Tri-County Electric Coop, Inc
8	Interstate 10 (SR 8)	343	343	Beaches Energy Service JEA
9	Interstate 75 (SR 93)	49	49	Florida Power & Light Co
10	Interstate 75 (SR 93)	123	143	Florida Power & Light Co Lee County Electric Coop, Inc
11	Interstate 75 (SR 93)	179	220	Florida Power & Light Co Peace River Electric Coop, Inc
12	Interstate 75 (SR 93)	352	352	City of Ocala
13	Interstate 95 (SR 9)	156	166	Florida Power & Light Co City of Vero Beach
14	Interstate 95 (SR 9)	231	231	Florida Power & Light Co
15	Interstate 95 (SR 9)	298	298	Florida Power & Light Co Beaches Energy Services

Role of Utilities in Process



Applicants need to understand **power availability, timing for installation, and installation costs** to prepare applications



Possible large workload to respond to requests



Collaborate to streamline this process

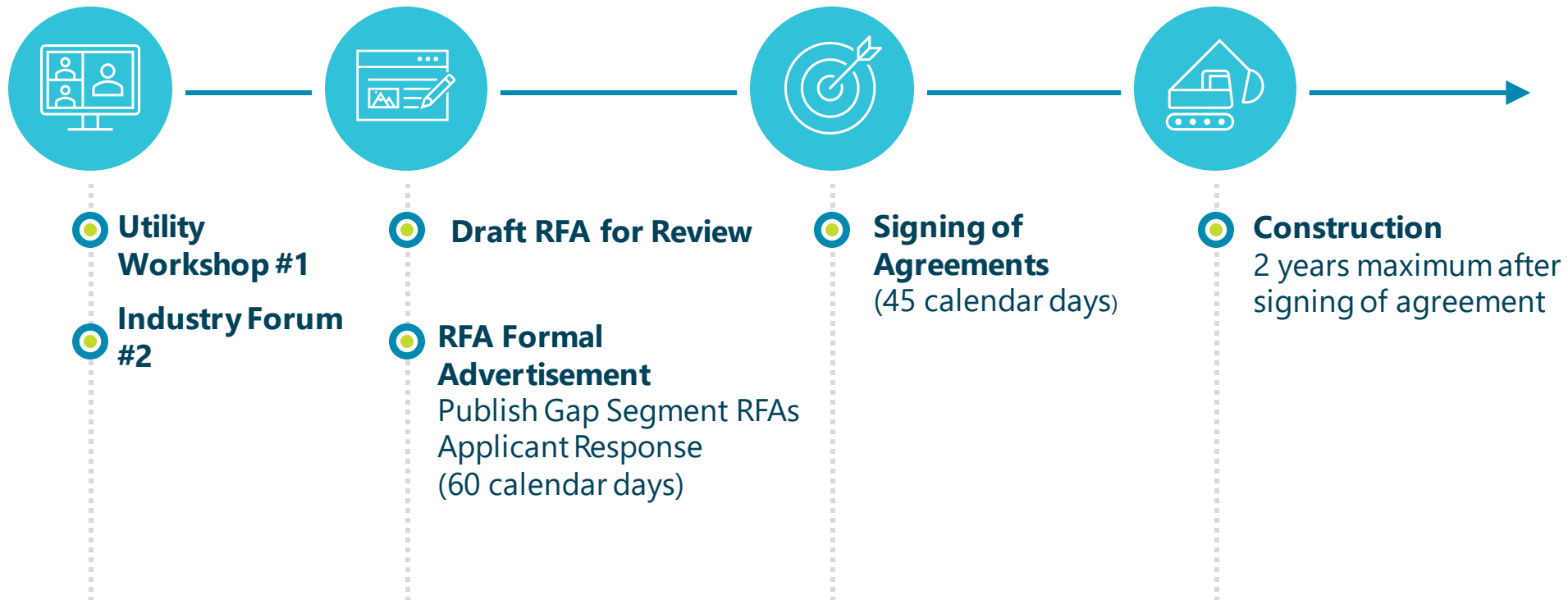


Multiple requests for each gap segment



Only one selection per gap segment

NEVI Draft Timeline



NEVI Request Form Feedback



Utility Request Form will establish communication between applicants and the utilities

Form includes basic information from applicants so utilities can determine if proposed sites/energy demands are viable

Successful applicants will have future engagement with utilities

Draft Form

Contact Information and Location

Applicant	Company Name				
	Contact Name, Address, email, phone				
Site Host	Company Name				
Site Address	Street, City, State, ZIP				
	Coordinates	Latitude		Longitude	

Draft Form

Service Level Requested (Power/Energy)

Requested Energize Date									
Connected Load (kW)		650 kW for NEVI compliant site with 92% charger efficiency Include loads for any buildings, lighting, etc. on the same meter							
Requested Service (Voltage)		480V 3PH Typical							
Requested Panel Size (Amps)		1000A Typical							
Power Factor (%)		95% Typical for DCFC							
Load Profile	Time of Day	12AM	3AM	6AM	9AM	12PM	3PM	6PM	9PM
	Peak Load (kW)								
Estimated Monthly Energy (kWh)									

Draft Form

Additional Information and Site Plan

Will the EVSE load be added to an existing meter, or will a new account be requested?	<i>If existing account, provide account number</i>
Will solar panels and/or a battery energy storage system be installed to reduce or manage peak demand?	<i>If planned, please provide details (power rating, energy rating, etc.)</i>
EVSE Site Plan	<i>Scale site drawing or aerial view of the site showing:</i> <ul style="list-style-type: none">• <i>Nearest street(s)</i>• <i>Location of existing transformer and meter</i>• <i>Proposed location of new transformer</i>• <i>Proposed location(s) of EVSE</i>

Utility Point of Contact



Single point of contact at the utilities for NEVI requests

Could be **a person** (john.smith@utility.com) or a **custom NEVI contact** (NEVI_Request@utility.com)

Could be **email and/or phone**

We'll provide this information to the **NEVI applicants**



Discussion

- What do you think about what **this approach**?
- What **else** should we consider?
- **Any other** comments, questions, or concerns?



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