

Florida's Interstates & Critical Highways



Round 6 Alternative Fuel Corridor Nomination | MAY 2022

Nomination of Florida's Interstate & Critical Highways for Federal Highway Administration (FHWA)
Bipartisan Infrastructure Law Designation of Electric Vehicle Fuel Corridors



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I. Introduction

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The Florida Department of Transportation (FDOT) has been proactively planning for and implementing electric vehicle infrastructure for some time now as evidenced by the FDOT Florida Transportation Plan (FTP) and FDOT 2021 Electric Vehicle Infrastructure Master Plan (EVMP). The FTP is the single overarching plan guiding Florida’s transportation future. Updated every five years, the FTP is a collaborative effort of

state, regional, and local transportation partners in the public and private sectors. Goals established in the current plan include:

- Safety and security for residents, visitors, and businesses
- Agile, resilient, and quality transportation infrastructure
- Connected, efficient, and reliable mobility for people and freight
- Transportation choices that improve accessibility and equity
- Transportation solutions that strengthen Florida’s economy
- Transportation systems that enhance Florida’s communities
- Transportation solutions that enhance Florida’s environment

Following the last update of the FTP (2020) was the development of the 2021 EVMP in response to Florida Statute 339.287 titled “Electric vehicle charging stations; infrastructure plan development”. FDOT coordinated and developed the EVMP for the development of EV charging station infrastructure along the State Highway System (SHS). The EVMP supports the FTP by advancing the use of EVs to improve air quality, foster economic development, lower the cost of vehicle ownership per household, and enhance transportation equityⁱ. This is important because Florida is the third most populated state in the nation with a current population of over 21.8 million residents and is rapidly growing with approximately 1,000 people moving into the state every day. Florida also has a robust tourist industry and hosted more than 122.4ⁱⁱ million visitors in 2021 which is anticipated to grow to 180 million visitors by 2029. Transformational initiatives are needed to enhance transportation infrastructure and meet the growing demand for safely moving people and goods while enhancing economic prosperity and preserving the quality of our environment and communities.

The energy demands that result from a rapidly increasing population necessitate that Florida’s energy needs are addressed as top priority by state leaders, lawmakers and the industry. Florida typically ranks third or fourth in overall energy consumptionⁱⁱⁱ, behind Texas and California, with the transportation and residential sectors driving energy consumption. As a result, Florida’s roadways are some of the most traveled in the nation with tourism serving as one of the largest contributors to the state’s economy. Historically, the transportation fuel necessary to support the population and tourism has been imported through marine terminals, primarily in Jacksonville, Port Canaveral, Port Everglades and Tampa.

With evolving demographics and the projected growth, Florida has taken a proactive approach to addressing the reliance on fossil fuels. Florida consumers, private businesses and state and local governments realize the benefits of alternative fuels. Electric Vehicle (EV) use is expanding as

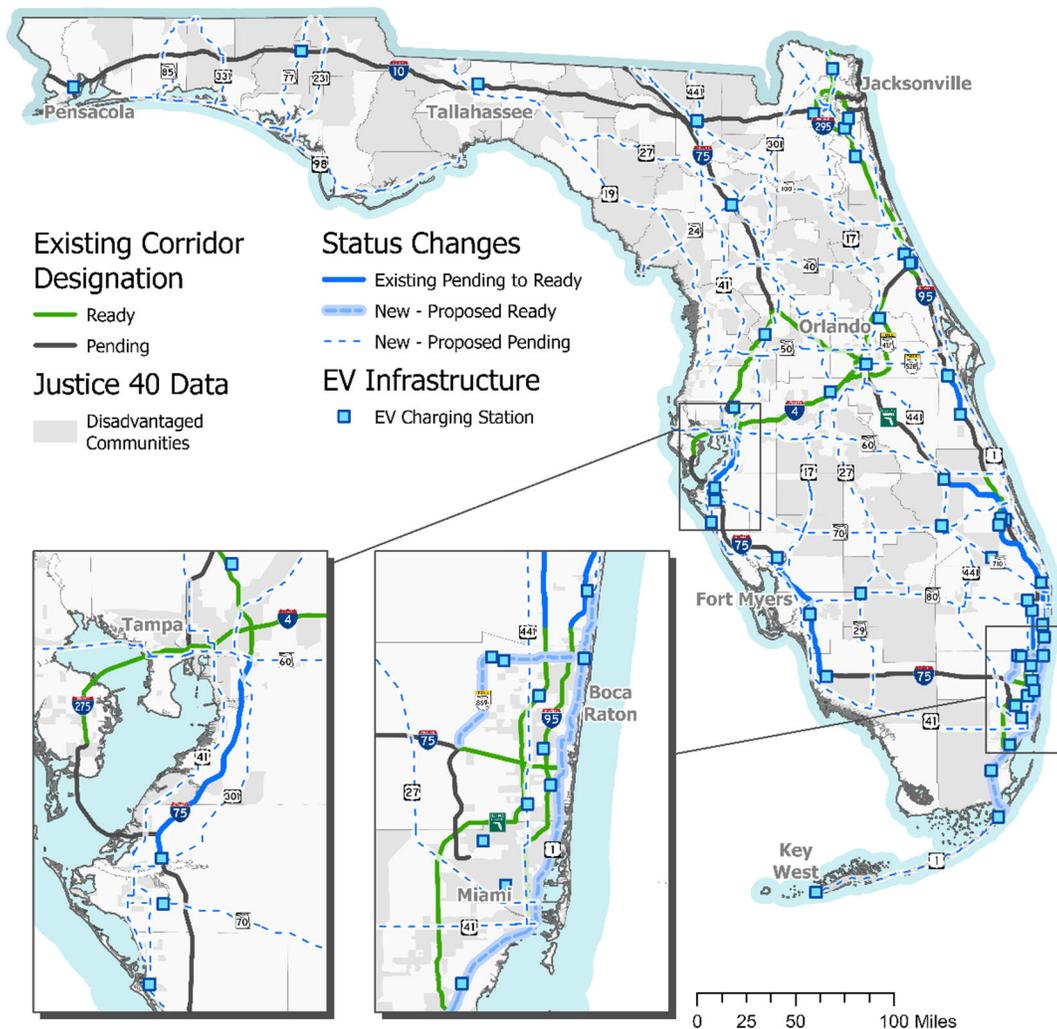


technology increases and consumer awareness grows. Florida currently has the second highest number of electric vehicle sales in the nation, indicating the need to be proactive in planning for and implementing alternative fuel sources. This Alternative Fuel Corridor (AFC) nomination was developed with Florida’s needs in mind and in accordance with the Federal Highway Administration (FHWA) AFC Round 6 Nomination Guidance. The narrative provided serves as a continuation of existing State efforts supporting the expansion and adoption of electric vehicles and the associated supply equipment.

II. Jurisdiction of Proposed Corridors

Previous rounds of AFC focused on designating the state’s Interstate and Turnpike systems. The National Highway System (NHS) corridors being proposed for status changes or nominated as new segments for Round 6 are owned, operated, and maintained by FDOT.

III. Proposed New Corridors and Status Changes



(1) 'New - Potential Pending' segments support hurricane evacuation routes, economic development, tourism, rural needs, and/or freight.

(2) EV Charging Sites shown are compliant with station requirements in the Round 6 AFC Nomination guidance

Source: <https://afdc.energy.gov/stations> as of 4/1/2022

Figure 1: Proposed 2022 Round 6 AFC Corridors and Status Changes



Florida has been making significant investment for EV infrastructure since the last AFC nomination narrative submitted (2020). As a result, Figure 1 summarizes the proposed corridors for new designation (dashed blue highlight for “corridor-ready” and dashed blue line for “corridor-pending”). Status changes from “corridor-pending” to “corridor-ready” are also included as a solid blue line. Status changes are based on new stations being added along the NHS that satisfy Round 6 site criteria. No stations used for previous AFC nominations have been lost so there are no status changes from “corridor-ready” to “corridor-pending”. Florida’s investment for Direct Current Fast Charging (DCFC) throughout the state, including investment at the Volkswagen (VW) settlement sites, is highlighted later in the narrative.

Methodology

Identification of status changes to designated EV AFCs and proposed new segments is consistent with the criteria presented in the Round 6 Request for Nominations guidance by FHWA. Proposed segments will include status changes for existing AFC corridors currently designated as “corridor-pending” that meet the Round 6 criteria for “corridor-ready” as well as new corridors that meet Round 6 criteria as a result of EV infrastructure investments along interstate highways and the NHS since the Round 5 nomination cycle. The following process was used to determine proposed designations in this nomination narrative.

- AFC requires applicants to use the data from the US Department of Energy Alternative Fuels Data Center’s Station Locator tool. The associated Geographic Information Systems (GIS) shapefiles were imported into a GIS database with layers selected to utilize Round 6 criteria for the analysis.
- Starting with the existing AFC designated EV network, ArcGIS Network Analyst was utilized to see if any existing “corridor-pending” segments could be promoted to “corridor-ready” based on new sites and the distance between stations added since Round 5.
- Routes were visually inspected using Google Maps to identify any discrepancies.
- Once status changes were identified for the existing AFC EV network, the data was reviewed for potential new corridors that meet the Round 6 criteria with proposed “corridor-pending” segments initially having at least one EV site meeting Round 6 criteria.
- Additional “corridor-pending” segments were identified based on need for hurricane evacuation, support to an economically disadvantaged area, accessibility to military bases or other federal lands, and/or to establish corridors for a freight charging network.

Status Changes

Table 1 identifies status changes for the EV segments along I-75 (2), I-95 (2), and Florida’s Turnpike (2).

Table 1: Interstate Status Changes to Existing EV Alternative Fuel Corridors

Change Type	Route	Segment
Existing Pending to Ready	I-75	Naples to Port Charlotte
Existing Pending to Ready	I-75	Ellenton to Brandon
Existing Pending to Ready	I-95	Boca Raton to Port St. Lucie
Existing Pending to Ready	I-95	Melbourne to Cocoa
Existing Pending to Ready	SR 91 Turnpike	Boca Raton to West Palm Beach
Existing Pending to Ready	SR 91 Turnpike	Port St. Lucie to Fort Drum

Note: Status changes identified by new or upgraded stations/sites along the NHS that meet AFC Round 6 criteria.



Sites corresponding to the status changes summarized above are listed in Tables 2 through 4. Sites are listed south to north or east to west and meet Round 6 AFC nomination criteria for EV. Miles to next station are calculated by measuring the travel distance between sites (not between mile markers).

Table 2: Interstate 75 EV Charging Sites for Existing AFC Status Changes to “Corridor-Ready”

Station Name Address	City	Number of EV Connectors	Name of EV Network	Mile Marker	Miles to Next Station
Naples to Port Charlotte					
Walmart 5055 Naples 9885 Collier Blvd	Naples	4	Electrify America	101	37
Florida Power & Light - EVolution - Colonial Square Plaza 9357 6 Mile Cypress Pkwy	Fort Myers	6	FPLEV	136	36
Walmart 3349 - Port Charlotte, FL 375 Kings Hwy	Port Charlotte	6	Electrify America	170	---
Ellenton to Tampa					
Ellenton Premium Outlets (Ellenton, FL) 5461 Factory Shops Blvd	Ellenton	4	Electrify America	224	48
Walk at Highwoods Preserve 18001 Highwoods Preserve Parkway	Tampa	8	Electrify America	270	---

Note: Segments are listed south to north and east to west. The distance calculation is based on this orientation.

Table 3: Interstate 95 EV Charging Sites for Existing AFC Status Changes to “Corridor-Ready”

Station Name Address	City	Number of EV Connectors	Name of EV Network	Mile Marker	Miles to Next Station
Boca Raton to Port St. Lucie					
Target T0642 1200 Linton Blvd	Delray Beach	4	Electrify America	51	30
Florida Power & Light - Evolution - Midtown PGA 4801 PGA Blvd	Palm Beach Gardens	4	FPLEV	79	39
Florida Power & Light - EVolution - St. Lucie Job Express Terminal Park and Ride 2198 Gatlin Blvd	Port St. Lucie	6	FPLEV	118	5
Walmart 3527 1675 NW St Lucie West Blvd	Port St. Lucie	6	Electrify America	121	---
Melbourne to Cocoa					
Florida Power & Light - EVolution - Dunkin 4525 W New Haven Ave	Melbourne	4	FPLEV	180	22
Sam’s Club 4991 450 Townsend Rd	Cocoa	4	Electrify America	201	---

Note: Segments are listed south to north and east to west. The distance calculation is based on this orientation.



Table 4: SR 91 Florida's Turnpike EV Charging Sites for Existing AFC Status Changes to "Corridor Ready"

Station Name Address	City	Number of EV Connectors	Name of EV Network	Mile Marker	Miles to Next Stations
Boca Raton to West Palm Beach					
Florida Power & Light - EVolution - Pompano Turnpike Plaza 65 Florida's Turnpike	Pompano	4	FPLEV	66	29
Florida Power & Light - EVolution - West Palm Beach Turnpike Service Plaza 94 Florida's Turnpike	Lake Worth	4	FPLEV	94	---
Port St. Lucie to Fort Drum					
Florida Power & Light - EVolution - Fort Pierce Turnpike Service Plaza 144 Florida's Turnpike	Port St. Lucie	6	FPLEV	145	40
Florida Power & Light - EVolution - Fort Drum Turnpike Plaza 184 Florida's Turnpike	Okeechobee	6	FPLEV	185	---

Note: Segments are listed south to north and east to west. The distance calculation is based on this orientation.

Proposed New EV Alternative Fuel Corridors

As summarized in Tables 5 through 10, proposed new designations are being nominated for the entire length of the corridor within the state boundary. All segments are being nominated to support EV infrastructure investment along state highways that support hurricane evacuation, connection of Justice 40 areas, economic development, and freight movement across the state. Each site is listed south to north or east to west and meets Round 6 AFC nomination criteria for EV (except for Table 10 as noted below). Distances between sites are calculated by measuring the travel distance between sites (not between mile markers).

Table 5: EV - US Highway 1 Charging Stations from Florida Keys to Georgia State Line

Station Name Address	City	Number of EV Connectors	Name of EV Network	Miles to Next Stations	Status
US Highway 1 from Florida Keys to Georgia State Line					
BoA 3200 Flagler Ave	Key West	4	Electrify America	99	Pending
Tradewinds SC 101499 Overseas Hwy	Key Largo	4	Electrify America	27	Ready
Walmart 2727 33501 S Dixie Hwy	Florida City	4	Electrify America	17	Ready
The Falls 8888 SW 136th St	Miami	4	Electrify America	47	Ready
Target T1337 1200 S Federal Hwy	Deerfield	4	Electrify America	17	Ready
Target T0642 1200 Linton Blvd	Delray Beach	4	Electrify America	289	Pending
The Avenues Simon JAX 10300 Southside Blvd	Jacksonville	4	Electrify America	---	---

Note: Segments are listed south to north and east to west. The distance calculation is based on this orientation.



Table 6: EV - US 441 Charging Stations from South Florida to Georgia State Line

Station Name Address	City	Number of EV Connectors	Name of EV Network	Miles to Next Station	Status
US 441 from South Florida to Georgia State Line					
Walmart 3163 301 S State Rd 7	Hollywood	4	Electrify America	123	Pending
Florida Power & Light - EVolution Okeechobee Center Park RT-70 1718 NW 9 Ave	Okeechobee	4	FPLEV	103	Pending
The Florida Mall 8001 S. Orange Blossom Trail	Orlando	6	Electrify America	169	Pending
S&S Food Store 3519 US Highway 441	Lake City	4	Electrify America	---	---

Note: Segments are listed south to north and east to west. The distance calculation is based on this orientation.

Table 7: EV - Expressway Charging Stations

Station Name Address	City	Number of EV Connectors	Name of EV Network	Mile Marker	Miles to Next Station	Status
Beachline Expressway (SR 528) Orlando						
The Florida Mall 8001 S. Orange Blossom Trail	Orlando	6	Electrify America	4	---	Pending
Sawgrass Expressway (SR 869) Miami to Boca Raton						
Walmart 2963 (Coral Springs, FL) 6001 Coral Ridge Dr	Coral Springs	4	Electrify America	14	3	Ready
Target T2265 (Coral Springs, FL) 9600 Westview Dr	Coral Springs	4	Electrify America	15	---	---

Note: Segments are listed south to north and east to west. The distance calculation is based on this orientation.

Table 8: EV - SR 70 Charging Stations from I-75 to I-95

Station Name Address	City	Number of EV Connectors	Name of EV Network	Miles to Next Station	Status
SR 70 I-75 – I-95					
Wawa #5203 4506 53rd Ave E	Bradenton	6	EVgo Network	108	Pending
Florida Power & Light - EVolution - Okeechobee Center Park RT-70 1718 NW 9 Ave	Okeechobee	4	FPLEV	---	---

Note: Segments are listed south to north and east to west. The distance calculation is based on this orientation.



Table 9: EV - Other State Road or US Highway Charging Stations with Round 6 Stations

SR/US Route Station Name / Address	City	Number of EV Connectors	Name of EV Network
US 17 The Florida Mall 8001 S. Orange Blossom Trail	Orlando	6	Electrify America
US 27 Love's 627 / 45000 US-27	Davenport	4	Electrify America
SR 29 Florida Power & Light - EVolution - Suncoast Credit Union 231 E Hickpochee Ave	LaBelle	4	FPLEV
US 301 Ellenton Premium Outlets 5461 Factory Shops Blvd	Ellenton	4	Electrify America
US 41 Florida Power & Light - EVolution The Landings Plaza 4910 S Tamiami Trail	Sarasota	6	FPLEV
SR 710 Florida Power & Light - EVolution - Village Square Dunkin 15935 SW Warfield Blvd	Indiantown	4	FPLEV
SR 77 Walmart 2114 Chipley / 1619 Main St	Chipley	4	Electrify America
SR 80 Florida Power & Light - EVolution - Suncoast Credit Union 231 E Hickpochee Ave	LaBelle	4	FPLEV
SR 24 Target T0687 / 3970 SW Archer Road	Gainesville	4	Electrify America
SR 40 Walmart 613 / 1521 W Granada Blvd	Ormond Beach	6	Electrify America

Note: All segments are nominated as “corridor-pending” and have more than 50 miles between sites. Sites meet Round 6 criteria.



Table 10: Other State Road or US Highway Charging Stations with DCFC Sites

SR/US Route Station Name* / Address	City	Number of EV Connectors	Name of EV Network
US 98 H-D OF PCB DCFAST HOG 14700 Panama City Beach Pkwy	Panama City	1	ChargePoint Network
US 98 Apalachicola DCFC / 116 Commerce Street	Apalachicola	1	Greenlots
US 19 Crystal River VC DCFC / 915 N Suncoast Blvd	Crystal River	2	Greenlots
US 19 Perry DCFC / 110 N Washington St	Perry	2	Greenlots
US 19 Hudson Foods – DCFC / 206 N Main Street	Chiefland	2	Greenlots
SR 100 Beck Nissan / 252 N Highway 17	Palatka	1	Non-Networked
SR 50 STORMYHILL HD DCFAST HOG / 2480 US-27	Clermont	1	ChargePoint Network
SR 50 Reed Nissan / 16005 FL 50	Clermont	1	Non-Networked
SR 50 Reed Motors / 3776 W Colonial Dr	Orlando	1	Non-Networked
SR 50 Sutherlin Nissan / 8125 E Colonial Dr	Orlando	1	Non-Networked
SR 60 Dunkin Donuts / 1622 W Kennedy Blvd	Tampa	1	EVgo Network
SR 60 BRANDON DCFAST HOG / 9841 E Adamo Dr	Tampa	1	ChargePoint Network
SR 60 Dunkin Donuts / 1346 W Brandon Dr	Brandon	1	EVgo Network
SR 60 Dunkin Donuts / 1202 N Broadway Ave	Bartow	1	EVgo Network
SR 60 Dunkin Donuts / 9009 20 th St	Vero Beach	1	EVgo Network
SR 85: Candidate for future investment			
US 231: Candidate for future investment			
US 331: Candidate for future investment			

* Stations reported for sites offering DCFC.

Note: All segments are nominated as “corridor-pending” and have no existing sites that meet Round 6 criteria.



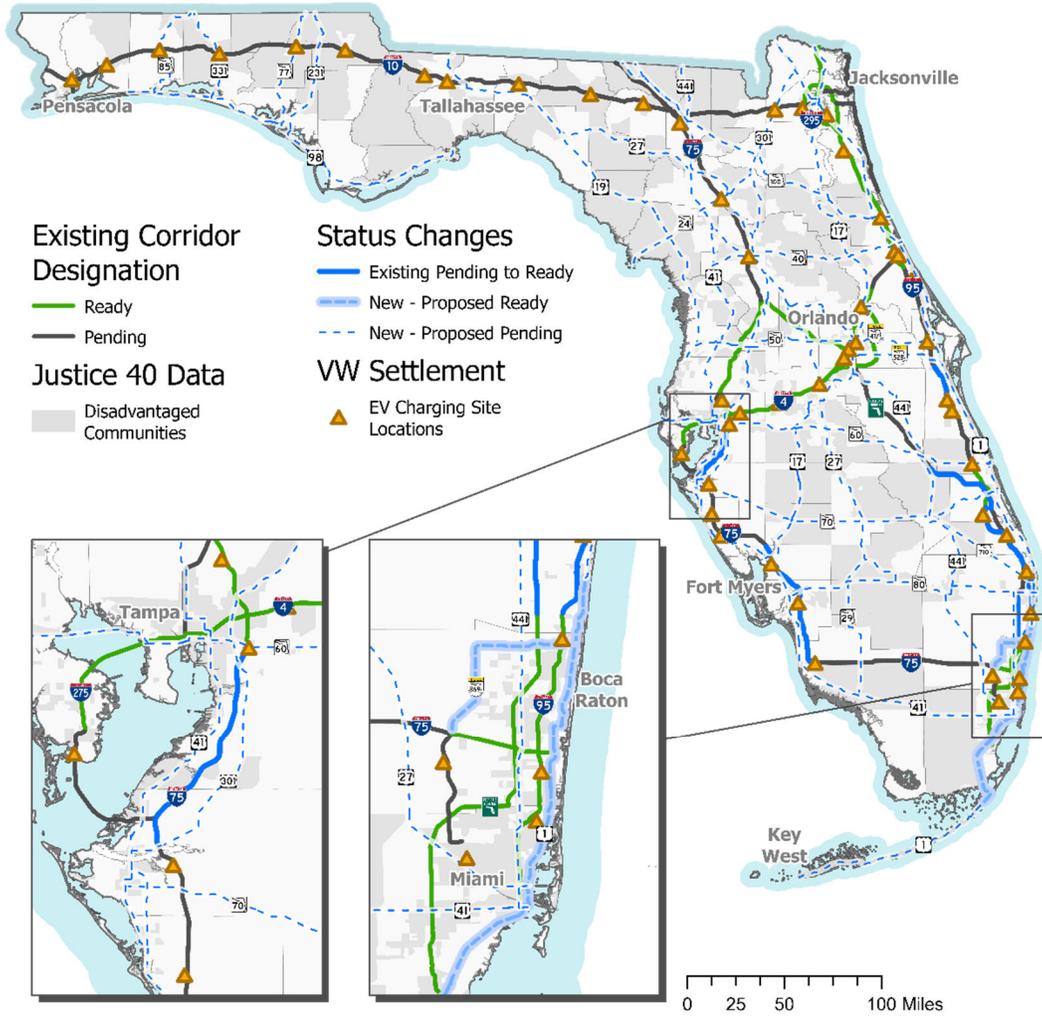
Strategy to Upgrade “Corridor Pending” Segments



Implementation Timeline: 5 Years

Over the next five years, several strategies will be implemented to use National Electric Vehicle Infrastructure (NEVI) funds to build out EV infrastructure along the designated AFC network as Florida continues working towards building a robust system that is “corridor-ready”. While NEVI guidance directs states to prioritize investment along the interstates, intersections with state roads would also make good candidates. Candidate sites will be determined through on-going industry and stakeholder outreach to identify gaps where there is a benefit to the site owner, alignment with state priorities, and no other plans or resources to address the need. Florida will prioritize focus along the interstate system for opportunities to bring more segments to “corridor-ready” status. Additional strategies to support the implementation of NEVI investment throughout the state are summarized below and will be presented in more detail within the NEVI Deployment Plan due by August 1, 2022.

- Target existing EV charging stations on “corridor-pending” segments for upgrades that will make them AFC Round 6 compliant. Examples of this might include:
 - Upgrading existing DCFC sites to meet Round 6 criteria. This includes VW Settlement sites offering DCFC as shown below in Figure 2. Similarly, Figure 3 identifies all EV sites with DCFC that are within one mile from the proposed EV AFC network presented earlier in this nomination.
 - Installation of EV charging at new sites to reduce the number of miles between sites to 50 miles or less.
- Work with local, utility, private partners to encourage EV infrastructure investment along “corridor-pending” segments that complement Florida’s overall objectives.
- Ask for exceptions to Round 6 criteria for buildout once exceptions can be identified through the implementation process. Examples of potential exceptions include:
 - Requesting only two charging ports instead of four ports at some rural stations due to low utilization.
 - Having a 60-mile gap between charging stations instead of 50 miles because the site location provides better amenities and has less impact on the grid.

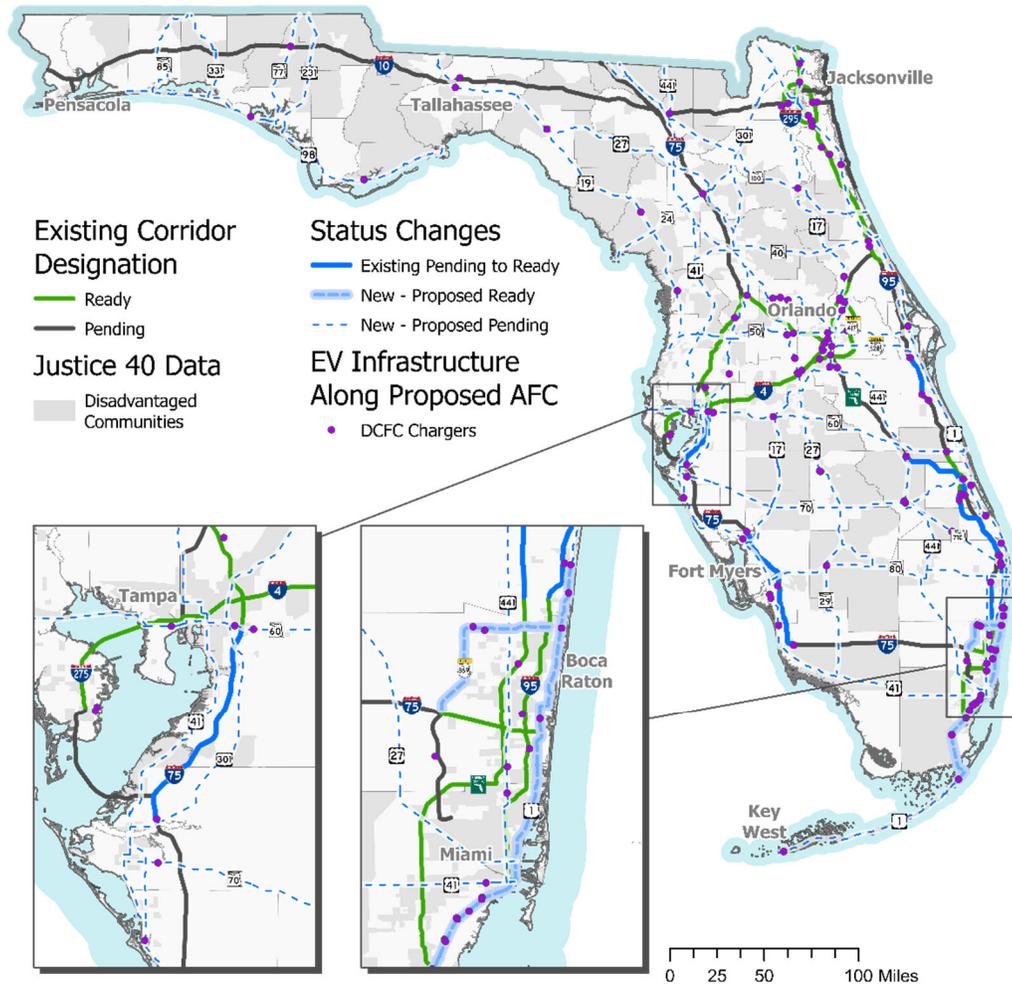


(1) 'New - Potential Pending' segments support hurricane evacuation routes, economic development, tourism, rural needs, and/or freight.

Source: <https://afdc.energy.gov/stations> as of 4/1/2022

Note: Not all sites meet AFC Round 6 station criteria (i.e., station may not meet power requirements; site may have fewer than four chargers).

Figure 2: VW Settlement Sites Along the Proposed EV AFC



(1) 'New - Potential Pending' segments support hurricane evacuation routes, economic development, tourism, rural needs, and/or freight.

Source: <https://afdc.energy.gov/stations> as of 4/1/2022

Note: Not all sites meet AFC Round 6 station criteria (i.e., station may not meet power requirements; site may have fewer than four chargers).

Figure 3: DCFC Sites Along the Proposed EV AFC

IV. Types of Alternative Fuels

All facilities being nominated as part of Round 6 are owned, maintained, and operated by FDOT. This nomination includes consideration for EV alternative fuel only and is proposed to add more than 4,000 additional miles to the AFC network. This aligns with the FHWA’s interest for use of fuels that reduce greenhouse gas emissions as well as the FTP’s goal for transportation solutions that enhance Florida’s environment and expansion of low and zero emission fuels.

V. Corridor Descriptions and Metropolitan Characteristics

The Florida Interstate and Turnpike Systems link 22 diverse metropolitan areas and a network of intermodal facilities that includes 20 airports, 15 deepwater seaports, eight freight rail terminals, and



one spaceport to the NHS. Together these facilities form Florida’s Strategic Intermodal System (SIS), which serves a critical role in supporting the economic, strategic, equity, resiliency and mobility needs of the state, country, and world.

Along the east coast of Florida, I-95 connects to the I-295 beltway in Jacksonville to I-195 and I-395 in Miami to form a primary north-south route that spans more than 400 miles. Additionally, portions of the Turnpike Mainline and Beachline East Expressway are located along the east coast of Florida. These limited access roadways link six metropolitan areas that, with a total population of 9.1 million, rank among the most populous in the state and US. Miami-Fort Lauderdale-West Palm Beach is the largest metropolitan area in Florida and the seventh largest in the US by population. Jacksonville is the state’s fourth largest metropolitan area.

The eastern portion of the SIS includes four established seaports, Port Miami, Everglades, Palm Beach, and Canaveral; one emerging seaport, Port of Fort Pierce; three commercial airports, Miami International, Fort Lauderdale/Hollywood International, and Palm Beach International; two emerging commercial airports, Melbourne International and Daytona Beach International; two general aviation airports, Fort Lauderdale Executive and Miami Executive; and the Cape Canaveral spaceport.

In southern Florida, I-595 provides a link from I-75 to I-95 in Broward County. Portions of the Turnpike Mainline, Sawgrass Expressway, and Turnpike Extension are located in southern Florida as well. The intermodal facilities in the area of its connection with I-95 include Port Everglades, the Fort Lauderdale/Hollywood International Airport, and the Fort Lauderdale Intermodal Terminal.

The SIS network across north Florida includes I-10, which spans 362 miles between Escambia County in the westernmost edge of the panhandle to Duval County in the east. This interstate connects the metropolitan areas of Pensacola-Ferry Pass-Brent, Crestview-Fort Walton-Destin, Tallahassee, and Jacksonville. The intermodal facilities along this corridor include Jacksonville International Airport, four emerging commercial service SIS airports, and multiple Jacksonville rail terminals. The six-mile I-110 in Escambia County provides a connection from I-10 to Port Pensacola.

Florida’s west coast is served by I-75 and the I-175 and I-375 spurs in St. Petersburg as well as the Veterans Expressway, Suncoast Parkway, and I-4 Selmon Connector. These facilities total more than 470 miles and connect nine metropolitan areas with 5.6 million people: Miami-Fort Lauderdale-West Palm Beach, Tampa-St. Petersburg- Clearwater, North Port-Sarasota-Bradenton, Cape Coral-Fort Myers, Naples-Immokalee-Marco Island, Ocala, Gainesville, Punta Gorda, and The Villages. The interstate also connects intermodal facilities including the Sarasota/Bradenton Airport, Port Tampa Bay, Southwest Florida International Airport and Port Manatee.

In Central Florida, I-4 is an important link of the SIS network that connects I-95 in the east to I-75 and I-275 in the west. The interstate links the Tampa-St. Petersburg-Clearwater, Orlando-Kissimmee-Sanford, Deltona-Daytona Beach-Ormond Beach, and Lakeland-Winter Haven metropolitan areas. The intermodal facilities served by I-4 include Tampa International Airport and Orlando International Airport, and an emerging commercial service airport, Orlando Sanford International Airport. The Daytona Beach International Airport, also an emerging commercial service airport, sits just northeast of I-4’s connection with I-95 in Volusia County. Additionally, several Florida Turnpike Enterprise corridors are located here including the Polk Parkway, Seminole Expressway, Beachline West Expressway, Southern Connector Extension, and the Florida’s Turnpike Mainline.



Sixty-one miles of I-275 runs between Pasco County to Manatee County in the south, traversing the Tampa-St. Petersburg-Clearwater and North Port-Sarasota-Bradenton metropolitan areas, with their combined 3.7 million population. The portion of I-275 running through Hillsborough and Pinellas serves Tampa International Airport and St. Petersburg-Clearwater International Airport, an emerging commercial service airport, as well as the Tampa CSXT Uceta Intermodal Terminal.

VI. Equitable Charging and Fueling Network

As depicted on Figures 1, 2, and 3, communities identified as Justice 40 areas are peppered throughout Florida. Many of the proposed “corridor-pending” designations cross rural and/or disadvantaged areas and will help communities in areas of health, environmental/climate, resilience, and economic/social issues. There are a number of benefits expected by facilitating NEVI investment to offer alternative fuel options, including improving air quality by reducing greenhouse gas emissions. The proposed designations will also help serve to reduce range anxiety and promote electric vehicle routes during hurricane evacuations. Specific to state and federal interest for alternative fuel provisions, additional benefits for establishing a robust AFC network across Florida include:

- Alignment with resident and visitor adoption of EV to help the state address current and future market demand for charging infrastructure. Expanded access to clean fuels will also reduce negative impacts to the environment.
- Alignment with both FHWA’s interest to reduce greenhouse gas emissions as well as the FTP’s goal for transportation options that enhance Florida’s environment.
- Increased collaboration with local communities, private businesses/markets, and decision makers on energy issues and solutions. FDOT will use the NEVI Deployment Plan as a tool to communicate state priorities to these stakeholders to identify where gaps may exist, and investment should be prioritized. Additionally, installation of DCFC within and around local communities has been shown to provide economic benefits by improving air quality and reducing the occurrence of pre-mature deaths (i.e., loss of labor force)^{iv}.
- Skilled workforce development opportunities to support the installation and long-term operations of the EV network. The NEVI Deployment Plan will outline a strategy for this.
- Stable fuel pricing through the offering of alternative fuels. This will help alleviate the state’s dependence on fossil fuels.
- Lower emissions along freight corridors by installing or expanding DCFC availability and access for light and medium trucks.

VII. Alternative Fuels Corridor Signage Plan

FDOT has developed a strategy for signage of the AFC corridors that is compliant with FHWA’s 2016 guidance memo, “Signing for Designated Alternative Fuels Corridors” and in accordance with the Manual on Uniform Traffic Control Devices (MUTCD). FDOT will coordinate with other agencies as needed for planning and implementation efforts.

AFC signs will be installed on designated AFC highway segments on post-mounted roadside installations. Spacing of signs will be in conformance with Federal requirements and will be limited to those locations where adequate spacing is available between the AFC sign and other higher priority signs. Appearance and sizes of signs will conform with Federal guidance.



Freeways and Expressways

The applicable General Service sign(s) should be installed on the approach to an interchange from which the designated fuel services are available. If the services are not visible from the ramp of a single-exit interchange, the service signing shall be repeated at the intersection of the exit ramp and the crossroad. Where the alternative fuel facility is not located along the crossroad, additional General Service Directional Assemblies should be installed in advance of each subsequent turn to reach the facility. The last availability of a particular alternative fuel type in a corridor should be indicated at the interchange on a freeway or expressway in the General Service Directional Assembly on the approach to the interchange. The LAST IN CORRIDOR warning plaque should be included in the Directional Assembly for this purpose.

Conventional Roads

General Service signs may be installed in advance of facilities located directly on the designated route directing traffic into an alternative fuel facility if the on-premises business identification signs do not clearly identify the availability of the alternative fuel. General Service signs should be installed at turns off the designated route to direct traffic to an alternative fuel facility along a crossroad in the vicinity of the route.

Agency coordination is ongoing and will be summarized in the State's EV Deployment Plan.

VIII. References

ⁱ 2021 FDOT Electric Vehicle Master Plan

ⁱⁱ <https://www.visitflorida.com/about-us/>

ⁱⁱⁱ <https://www.fdacs.gov/ezs3download/download/96776/2649160/Media/Files/Energy-Files/2020-Office-of-Energy-Annual-Report.pdf>

^{iv} <https://www.governing.com/next/ev-charging-stations-can-benefit-local-economies>



IX. List of Acronyms

AFC	Alternative Fuel Corridor
BoA	Bank of America
CSXT	CSX Transportation
DC	Direct Current
DCFAST	Direct Current Fast Charging
DCFC	Direct Current Fast Charging
EV	Electric Vehicle
EVMP	Electric Vehicle Infrastructure Master Plan
FDACS	Florida Department of Agriculture and Consumer Services
FDOT	Florida Department of Transportation
FHWA	Federal Highway Administration
FPL	Florida Power and Light
FPLEV	Florida Power & Light Evolution
FTP	Florida Transportation Plan
GIS	Geographic Information System
HD	Harley-Davidson
H-D OF PCB DCFAST HOG	Harley-Davidson of Panama City Beach Harley Owners Group
JAX	Jacksonville
MUTCD	Manual on Uniform Traffic Control Devices
NEVI	National Electric Vehicle Infrastructure
NHS	National Highway System
PCB	Panama City Beach
PGA	Professional Golfers' Association
RT	Route
SC	Shopping Center (Tradewinds Shopping Center)
SHS	State Highway System
SIS	Strategic Intermodal System
SR	State Road
VC	Visitors Center
VW	Volkswagen



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