

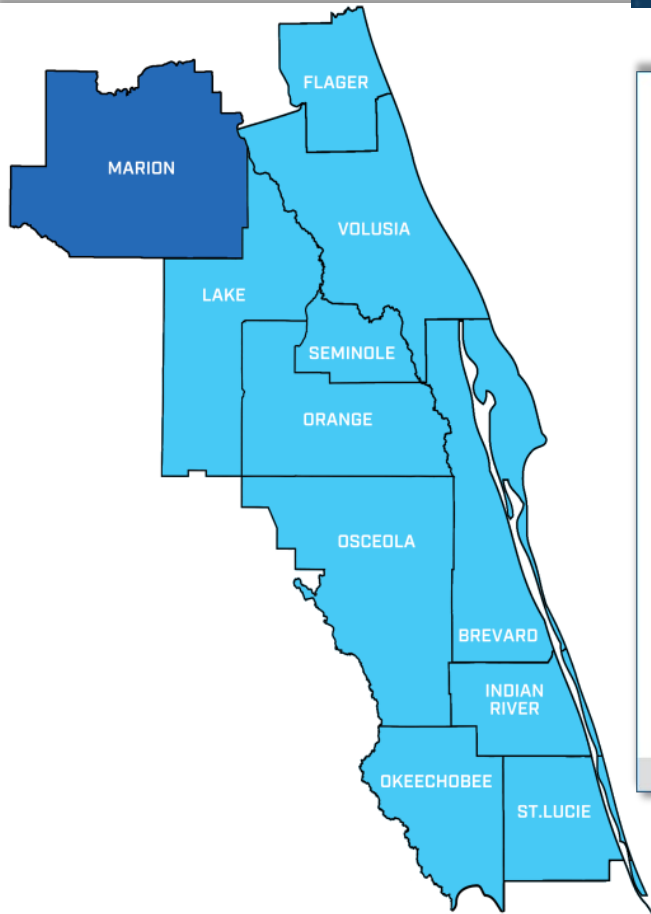


2021 FLORIDA AUTOMATED VEHICLES SUMMIT

Orlando Is EV Ready ACES Breakout Session

Chris Castro, Sustainability Director, City of Orlando
John Slot, Chief Innovation Officer, LYNX Transit
David Dunn, Facilities Manager, City of Orlando
Ian Lahiff, Energy Projects Manager, City of Orlando
Pete Westlake, New Products and Solutions, Orlando Utilities
Commission





6A: ALTERNATIVE FUEL VEHICLES (AFVS) AND INFRASTRUCTURE FOR RESILIENCY AND EMERGENCY PREPAREDNESS			
Florida Department of Agriculture and Consumer Services, Office of Energy	Tallahassee, FL	Statewide Alternative Fuel Resiliency Plan	\$700,000

CREATING AN ALTERNATIVE FUEL VEHICLE TRAINING NETWORK FOR FLORIDA



Doug Kettles

doug@cflccc.org

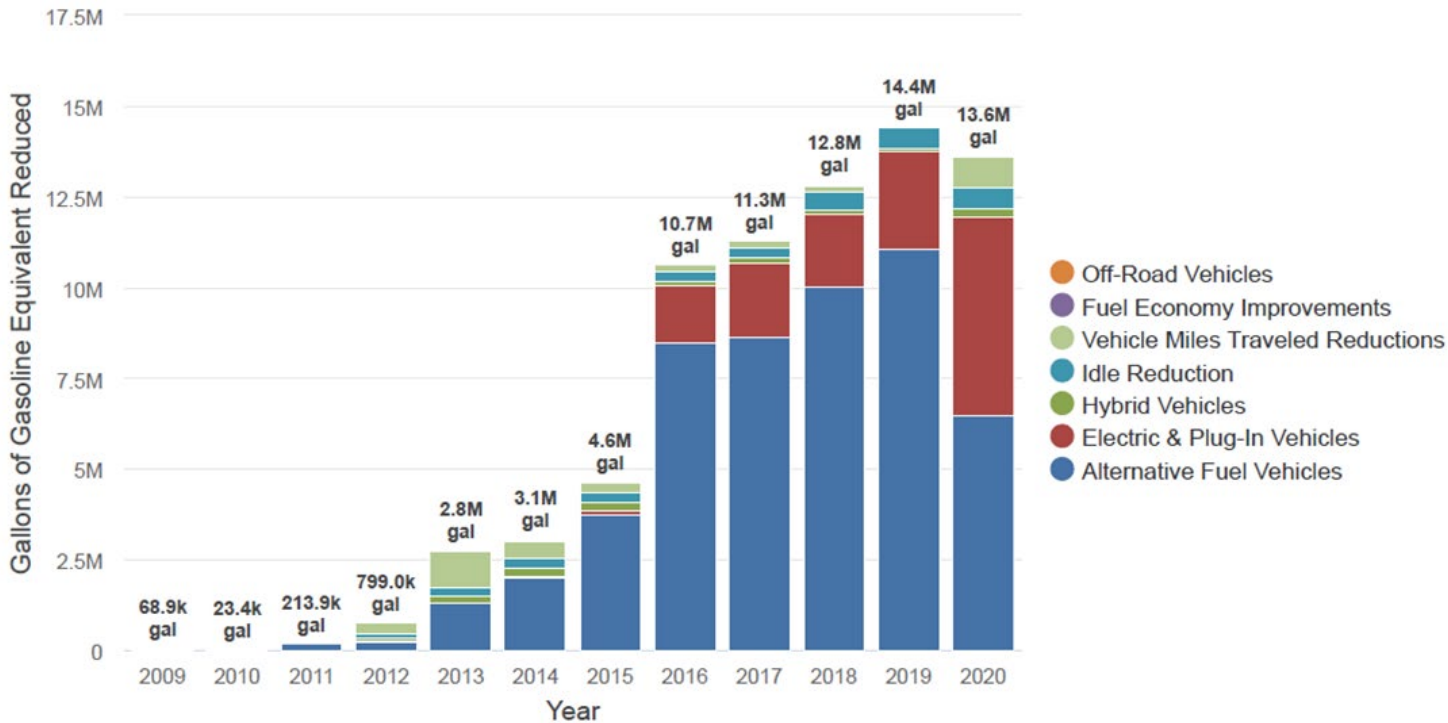
Central Florida Clean Cities Coalition

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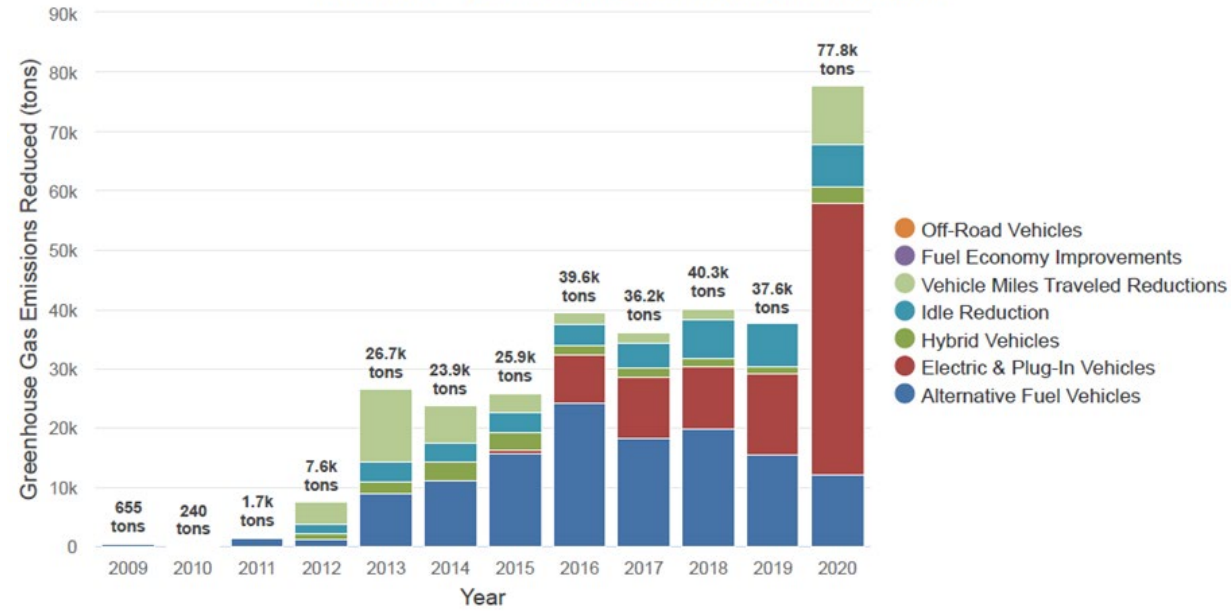




Historical Gallons of Gasoline Equivalent Reduced



Historical Greenhouse Gas Emissions Reduced



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City of Orlando

EV Readiness Ordinance

Ordinance No. 2021-47

EV Readiness code overview:

- An Electric Vehicle (EV) Readiness code requires a portion of parking spaces in certain developments to meet current EV charging needs and prepare for future demand.
- Electric vehicles are an important emerging technology for Orlando residents for a number of reasons, as recognized by the Legislature of the State of Florida: “conserves and protects the state’s environmental resources, provides significant economic savings to drivers, and serves an important public interest.”¹⁰
- Through the passage of this EV Readiness code, the future developments of commercial and multifamily housing in Orlando will be:
 - more equipped to support the rapid increase in electric vehicle adoption; and
 - mitigate the disproportionately high retrofit expenses to install EV charging infrastructure in the future.
 - Equitable access to EV charging infrastructure citywide



The Infrastructure Investment & Jobs Act

**BUILD WORLD-CLASS TRANSPORTATION INFRASTRUCTURE: FIX
HIGHWAYS, REBUILD BRIDGES, AND UPGRADE PORTS, AIRPORTS AND
TRANSIT SYSTEMS**



SECTION 11401— COMPETITIVE GRANTS FOR CHARGING/FUELING INFRASTRUCTURE
(145,222 miles of NHS currently designated as alternative fuel corridors by FHWA)

**ALTERNATIVE
FUELS
CORRIDOR**

Establishes Competitive Grant Program under [23 U.S.C. 151](#)

- **\$2.5 Billion** over 5 years, **80% federal share**
- **Publicly accessible Electric** charging, and **Hydrogen, Propane, and Natural Gas** fueling infrastructure **along FHWA designated corridors** and **certain other locations.**
- “Community Grant” **set-aside of 50% (\$1.25 billion) for projects along any public road with priority to LMI, rural, dense, high MUD areas.**
- Propane projects limited to Medium and Heavy Duty only.

Eligible Applicants:

- State, MPO, Local Government, territory of the U.S.
- Special Purpose District or Public Authority w/transportation function, port authority
- Indian tribe (as defined in section 4 of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 5304));
- Instrumentality of, or entity owned by, 1 or more listed above, or a group of such entities
- For “Community Grant” set-aside, eligible entities also include “state or local authority with ownership of publicly accessible transportation facilities”





National Electric Vehicle Formula Program (NEVFP)

ALTERNATIVE
FUELS
CORRIDOR

Establishes Formula Grant Program

\$5 billion over 5 years; **apportioned** to states; **80% federal share**; **non-transferable**

- Deployment of **EV charging infrastructure**
- **Accessible to general public or commercial vehicles** from more than one company.
- States required to submit a plan describing how funds will be deployed and take action to carry it out or Secretary may take over and redistribute funds on competitive basis to local jurisdictions in state or to other states.



Alternative and
Renewable Fuels
and Infrastructure

SET ASIDES:

- **\$300,000,000 (MAXIMUM)** for **new federal Joint Office of Energy and Transportation**
- **10%** for States or localities that “require additional assistance”
- **\$35,000,000 each (MINIMUM)** (\$7 million/year for 5 years) for the National Park Service; the Forest Service; the United States Fish and Wildlife Service; the Corps of Engineers; the Bureau of Land Management; the Bureau of Reclamation; and independent Federal agencies with natural resource and land management responsibilities.



Thank You!

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