



State of the Electrified Union!

2019



2020

- ✓ 501c3 designation
- ✓ Restructured member dues
- ✓ Awarded \$50,000 grant from Energy Foundation
- ✓ Redesigned website
 - ✓ Established social media presence
- ✓ Feb - 3rd Annual Legislative Day in Tallahassee
 - ✓ Rep Fisher and Rep Fine participated
 - ✓ FL Dept of Environmental protection presented VW Plan
- ✓ Drafted DEFL position to EV Fees
- ✓ Provided Letter of Commitment FDACS Fuel Resiliency Plan
- ✓ Participated in FL Utility Round table (two sessions)
- ✓ May - Sponsored Electrathon Energy Whiz even
- ✓ May – Participated in FDACS Utility Round Table
- ✓ July – Participated in AEE Florida EV Round Table
- ✓ November – Sponsorship of Autonomous Vehicle Summit
 - ✓ Includes Presentation from DEFL



Hire Executive Director
Execute Strategic Plan



Some EV Headlines

THE FUTURE OF EXHILARATION.

Welcome to the Stable: All-Electric Mustang Mach-E

First Edition AWD shown
- [see more info](#)

Est Range, EPA
300 mi Range Ⓢ

0-70 mph
Mid 3-sec Ⓢ

Est Range, EPA
47mi in 10min Ⓢ

RESERVE
NOW



Ford announces launch of largest electric vehicle charging network in the US

The FordPass network will include more than 12,000 charging stations with a total of 35,000 plugs in the United States and some parts of Canada



greenlots
A Member of the Shell Group



Game on?

Volkswagen breaks ground on plant expansion for US-made electric cars



BYRON HURD

NOVEMBER 14, 2019

17 COMMENTS



View Gallery

Volkswagen has broken ground on an \$800 million expansion of its Tennessee production facility that will eventually house assembly lines for electric vehicles.

Amazon orders 100,000 electric delivery vans from Rivian through 2030

22 September 2019

Amazon has **ordered** 100,000 electric delivery vehicles from Rivian—the largest single order yet of electric delivery vehicles—with vans slated to start delivering packages to customers in 2021.



Electric Transit Buses

Global electric bus adoption is set to triple by 2025 Source Greentech Media



- **Tallahassee/Star Metro:** 4 in service, 15 more hitting streets any day now -> 33% of the way to City's commitment to a 100% electric fleet by 2035.
- **Broward County:** Nov. 2018: 1 cent sales tax approved for transit; Dec. 2018: Commitment to a 100% electric fleet by 2035 - 5 *BYD buses now on order*
- Pinellas Suncoast Transit Auth (PSTA) two BYD buses in operation, plans to order over 20 additional E Transit buses
- **Hillsborough County:** Voters' allocation of 45% of 1 cent sales transportation sales tax to HART upheld by BOCC ordinance.
 - *HART now awaits FL Supreme Court decision on whether sales tax funds can be allocated. Would increase agency budget by 2.5 times current level*
 - *Proterra under contract to build HART's 1st 10 electric buses*
- **Orlando** - 1st Electric Bus, 7 more late 2020 - *LYNX only FL transit agency to win 2019 Low No grant, \$1.961 million*



FL Department Environmental Protection finally releases \$166 mil VW Mitigation Plan

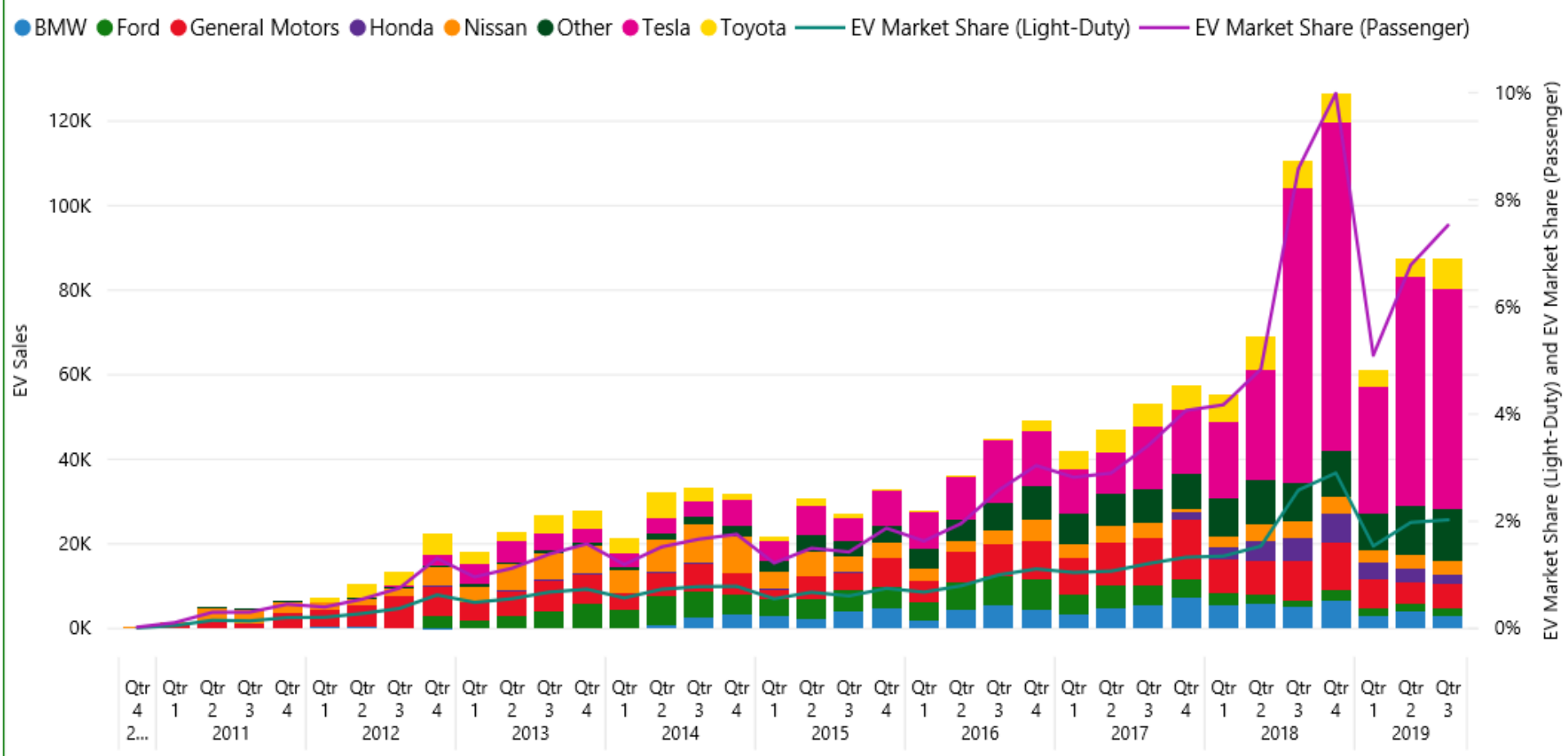
- 70% or \$116.4 mil to school, transit and shuttle bus replacements
- 15% or \$29.4 mil to EVCI or Electric Vehicle Charging Infrastructure
- 15% or \$29.4 mil to DERA

- RFI Process ended Nov 11th
- \$11 mil available 2019 fiscal year
- Legislature appropriates annual spend
- What's next?



The Market At A Glance

EV Sales and EV Market Share Over Time



- Total U.S. EV sales for 2019 0.5% higher than sales through the third quarter of 2018
- EV sales have declined for three months in a row compared to sales from a year ago
- Weak third quarter resulted in 21% decline in U.S. EV sales compared to 3rd qtr 2018



Federal Legislation

Drive America Forward Act

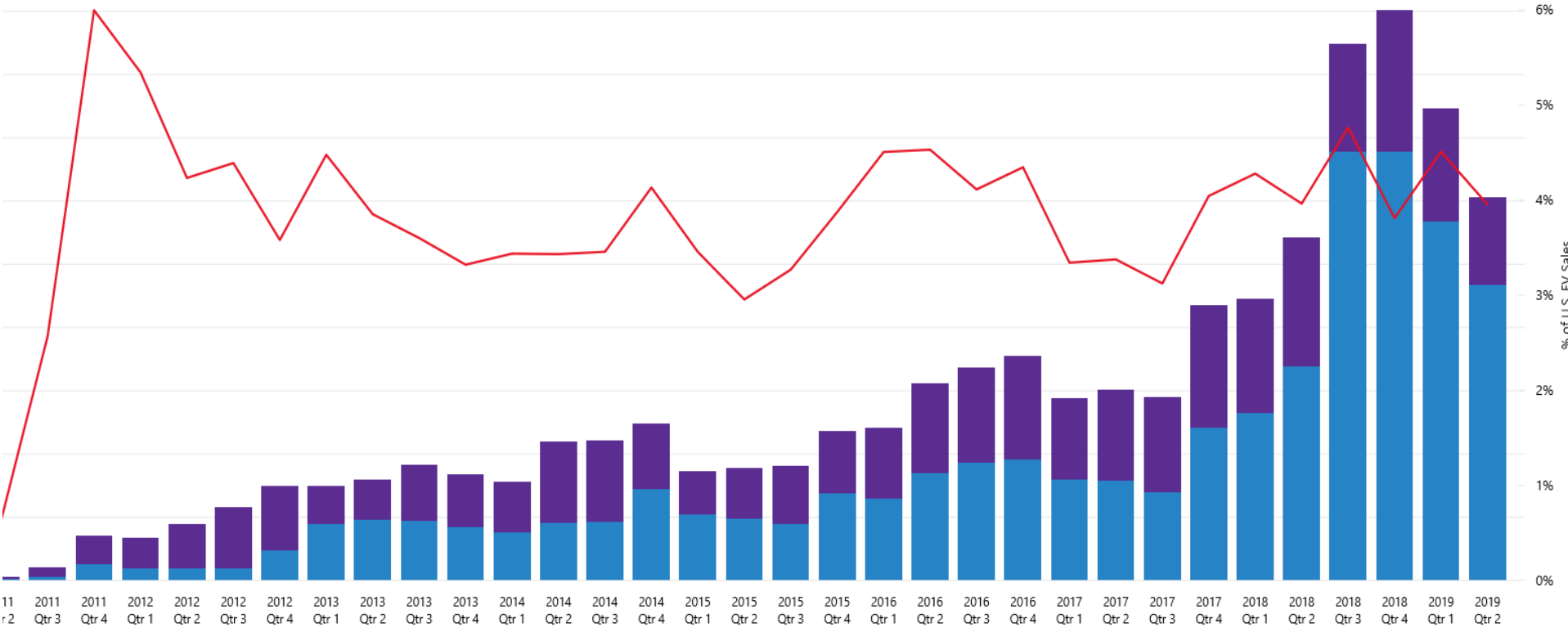
Introduced in Senate (04/09/2019) expands the tax credit for new plug-in electric **drive** motor vehicles and extends the tax credit for new fuel cell motor vehicles. ... The bill allows an additional 400,000 vehicles per manufacturer to be eligible for a credit of up to \$7,000 before the credit begins to phase out.

Florida EV Sales



ELECTRIC VEHICLE SALES

● BEV ● PHEV/EREV ● % of U.S. EV Sales



% of Total EV Sales	EV Sales	BEV Sales	PHEV Sales	EVs per 1k People	BEVs per 1k People	PHEVs per 1k People
3.93%	47,249	28,546	18,703	2.33	1.41	0.92



PARK & PLUG

Duke Energy Florida Park & Plug Program installs over 300 ports in 2019



Infrastructure Underway

- Duke Energy Florida
 - 480 L2 ports, 50 DC Fast
 - 300 ports installed YTD
- Florida Power & Light
 - \$10 mil program
- Electrify America
 - Three 30 month roll out phases
- Tesla
 - Infill to metro areas with multiple 70KW bays
 - Now at their V3 technology – 250KW per port & no sharing!
- VW Money - ???



Priority Legislative Engagements

1. EV Fees / Road Tax
2. EVSE Master Plan / Evacuation routes
3. Condo legislation issues
4. Statewide EV Ready
5. Appropriations for VW Settlement

SB 452 (Sen. Rodriguez)

- Purpose: Requires the Office of Energy to prepare a Master Plan describing current and future plans for the development of electric vehicle charging stations on the state highway system.
- Analysis: EVSE availability along highway
 - Distribution and optimal locations
 - Funding and economic potential
 - Vehicle and Charging Technologies
- Plan Completion: By July 2021, updated annually