

EV Everywhere

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September 14, 2018



Benefits of Electric Drive

- Health Benefits - Low to no emissions
- Cost Benefits – 50% less per mile than gas
- Positive Economic Impact*
 - Keeps dollars in state economy
 - Multiplier effect
- Enables benefits of advanced transportation
 - Autonomous
 - MAAS or Mobility As A Service

A word about power generation in Florida

2/3 of Florida's power served by natural gas –
Coal = 14%

Renewable energy accounted for almost 2.2% of Florida's utility-scale net electricity generation in 2016.

Florida is one of only four states with utility-scale electricity generation from solar thermal technologies

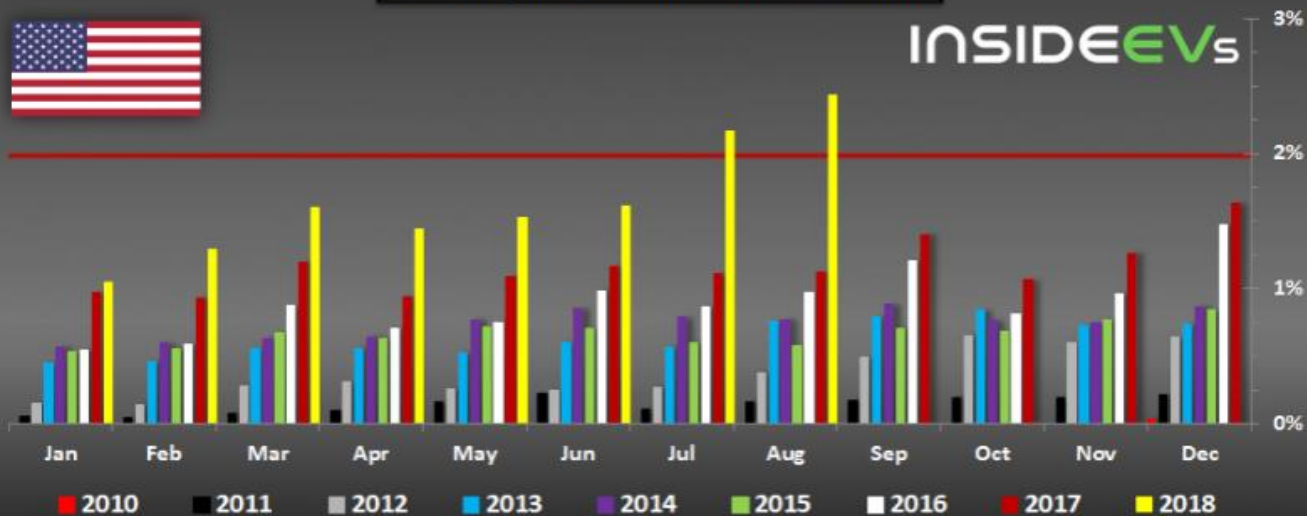
AAA Study: Americans Warming to EVs

Twenty percent of Americans say their next car will be an EV, according to a new AAA survey published in early May. That number is **up from 15% last year**, and the auto club says it's primarily because consumers' range anxiety fears are diminishing Source InsideEvs 2018

U.S. Plug-In Car Sales - Market Share



INSIDE EVs



Approximately 955,000 PHEVs since 2010

During the first eight months of 2018, plug-in car sales amounted to around 190,046 (up 57%) at an average market share of over 1.6%.

Tesla 3 sales for Aug 2018
17,800

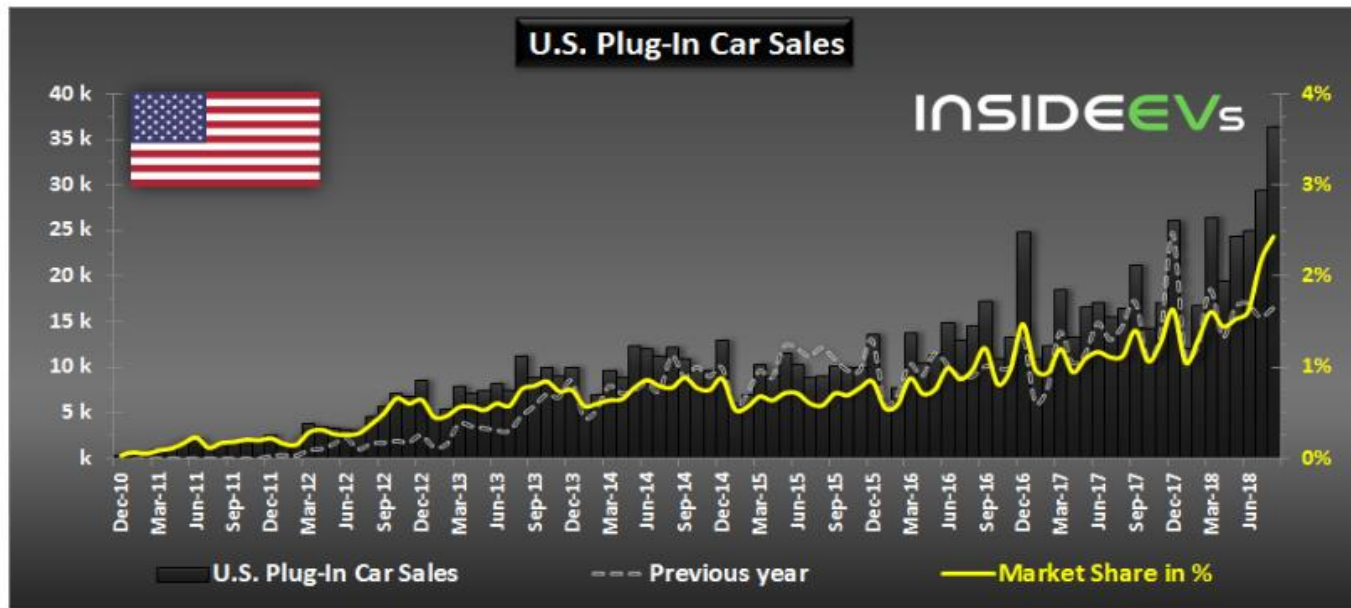


Outsold all BMW passenger cars in US

U.S. Plug-In Car Sales



INSIDE EVs

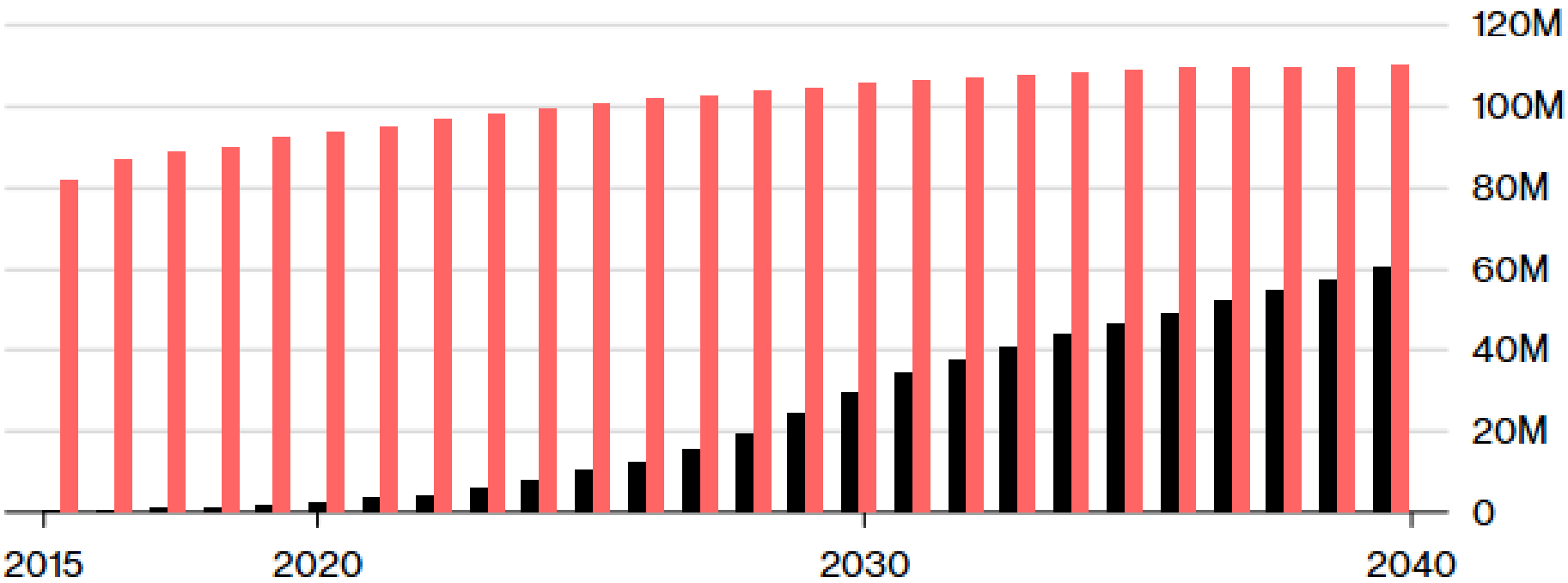


In August, cumulative sales reached 955,000, so the first million is expected at the beginning of October.

Power Move

Electric vehicles will make up an increasing portion of light-duty vehicle sales

■ Electric vehicle sales ■ Total vehicle sales



Source: Bloomberg New Energy Finance

Headwinds

CAFE Standards

Incentives

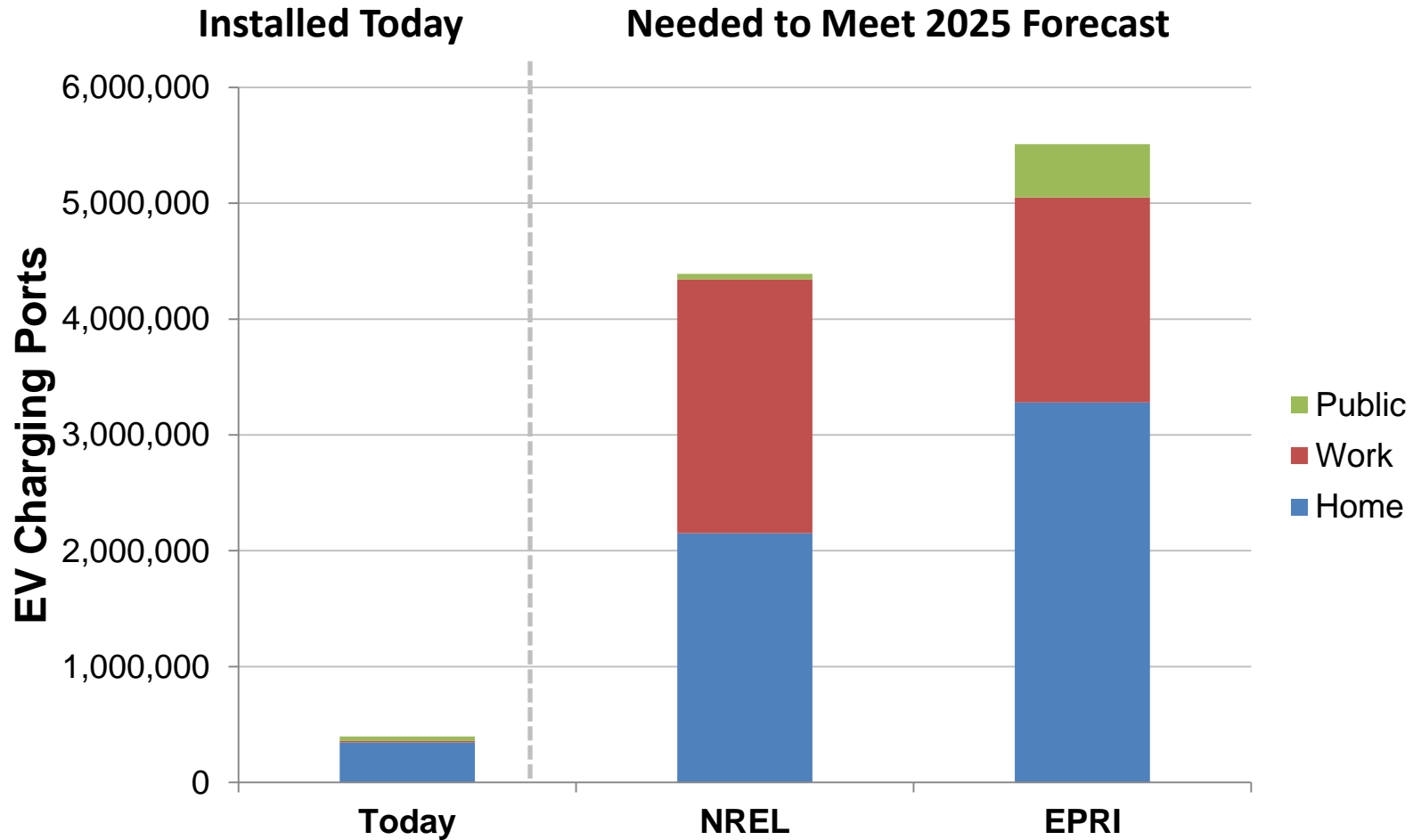
Infrastructure investment

Charging standards/models

A Word About Infrastructure

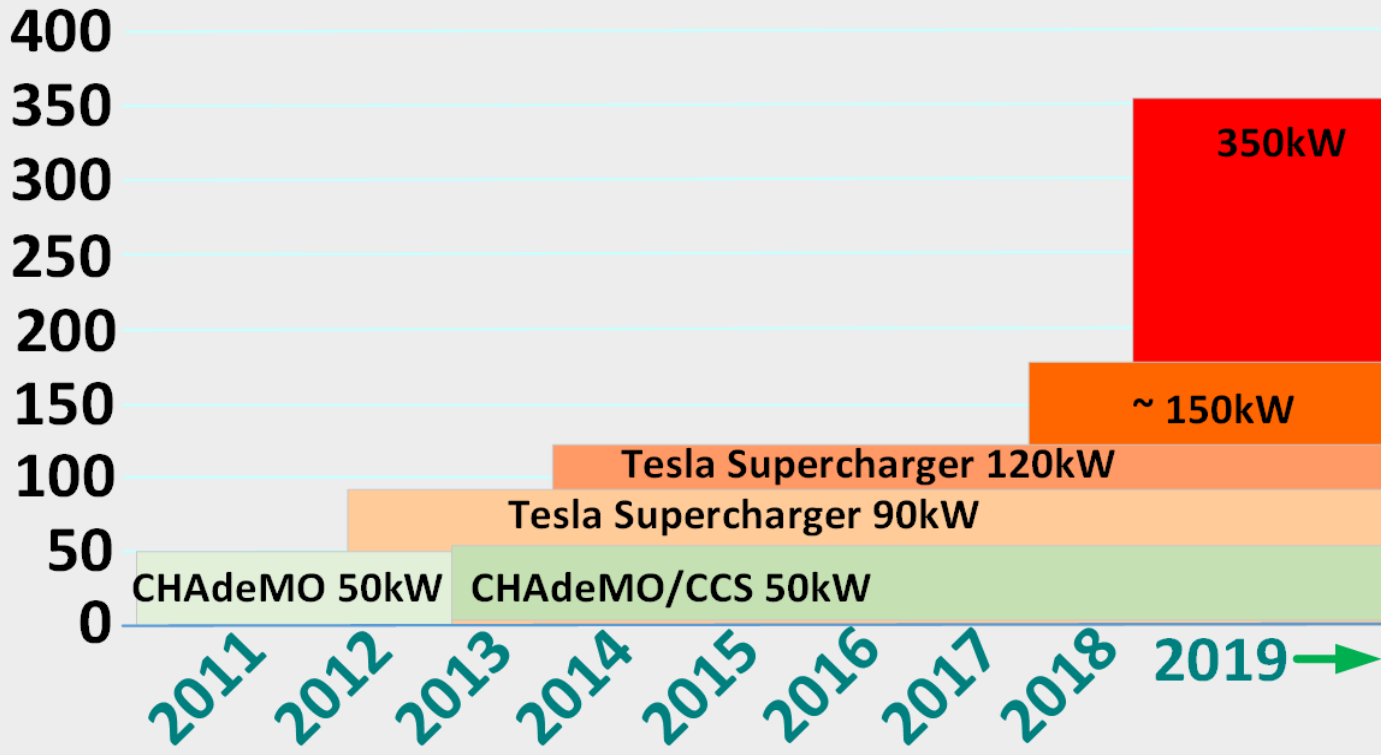


Charging Infrastructure



Charging Levels have been Rising

Power (kW)



Infrastructure Projects

**Electrify America
VW Settlement**



\$2Billion
High Power Corridor Charging
Metro Area Development

**Mitigation Trust
VW Settlement**



\$166 Million to Florida
%15 for LDV EV Infrastructure
FL DEP is Beneficiary
Expect DEP Plan by Dec 2018

**\$1.4 Billion in Investment
by Utilities**



\$8 Million project – Duke Energy
Florida

**Local Investment
N FL TPO**



\$450K addition to Chargewell Network

What's Coming

- Battery and charging improvements
- More Models – over 52 by next year & w/longer ranges
- Autonomous Vehicles
- MAAS - Mobility As A Service
- Fleet Development
 - Tesla, Daimler & Volvo w/semis

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