

# Intro 0279-2022—The ZEV for NYC Act

**Will NYC Set the Pace for Municipal Vehicle  
Electrification?**

# ZEV for NYC Act

- History: Council Member Powers introduced Int. 0279-2022 in April 2022
- Bill elements:
  - ***NYC must convert its entire fleet, light-duty, medium-duty, heavy-duty vehicles, to ZEVs by July 1, 2035.***
  - NYC must start purchasing only light-duty and medium-duty ZEVs by July 1, 2025.
  - NYC must start purchasing only heavy-duty ZEVs by July 1, 2030.
  - Although school buses can be either medium-duty or heavy-duty vehicles, the July 1, 2025, deadline applies to all school buses.
  - Escape clause — administrators can purchase the next least polluting option in a vehicle category rather than ZEVs under certain conditions.

# New news

(since Dec. 15 NYC Council hearing)

- ICCT's December 20, 2022, report: "Real World Usage of Plug-in Hybrid Vehicles in the U.S."

PHEVs spend 26-56% less time in all-electric drive mode ("utility factor"), and therefore consume **42-67% more fuel** than EPA labeling suggests.

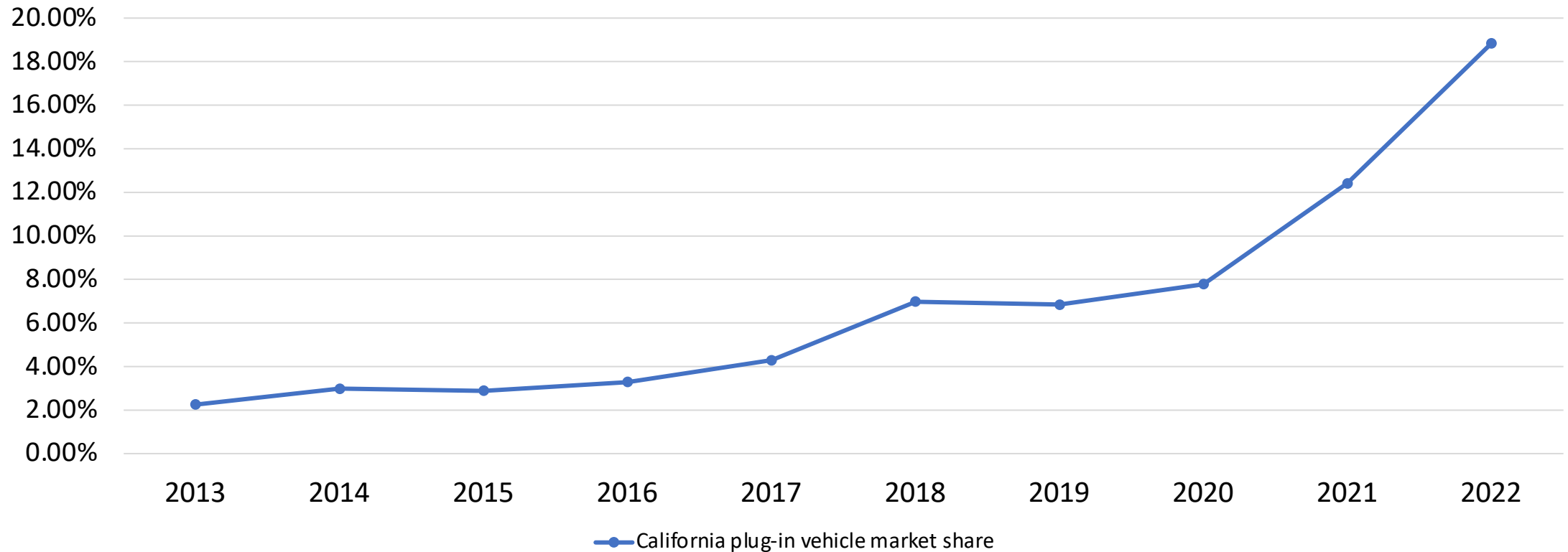
- *Science of the Total Environment*, Vol. 867, 1 April 2023, "California's early transition to electric vehicles: Observed health and air quality co-benefits"  
Authors are USC scientists; work based on 2013-19 data.

Every 20 ZEVs per 1,000 people in a given zip code led to **a 3.2% percent drop in the rate of emergency room visits** due to asthma.

# California plug-in vehicle adoption

Source: California Energy Commission

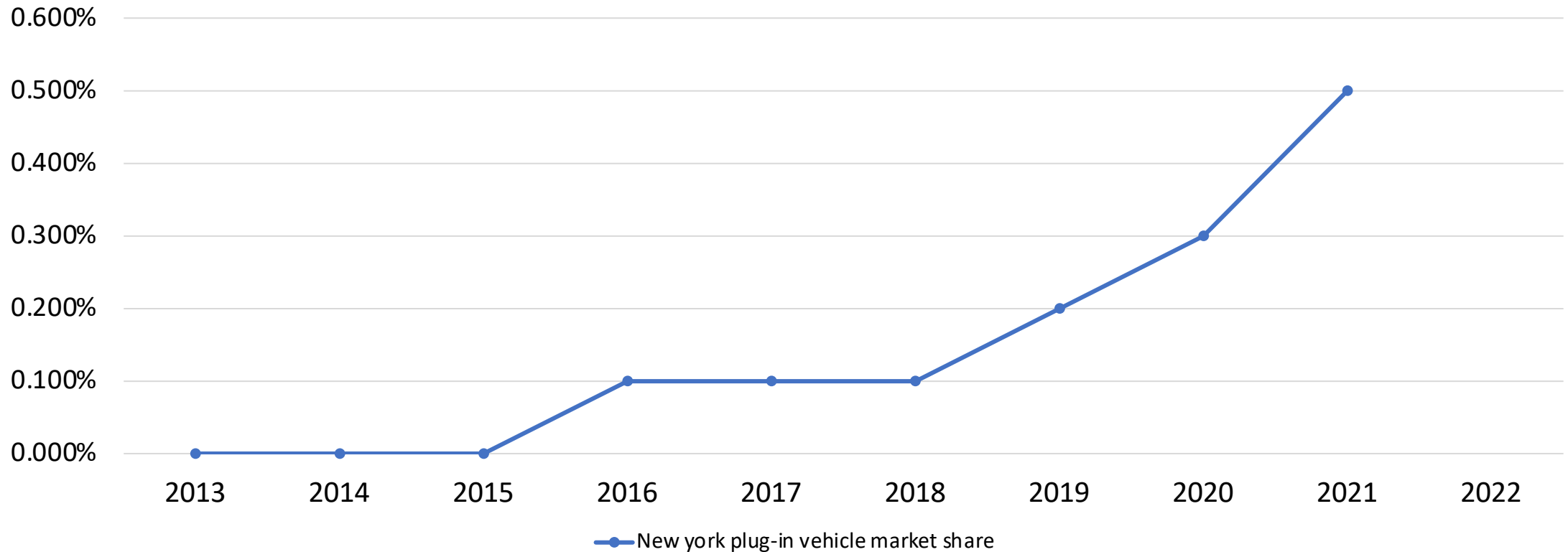
## California plug-in vehicle market share



# New York plug-in vehicle adoption

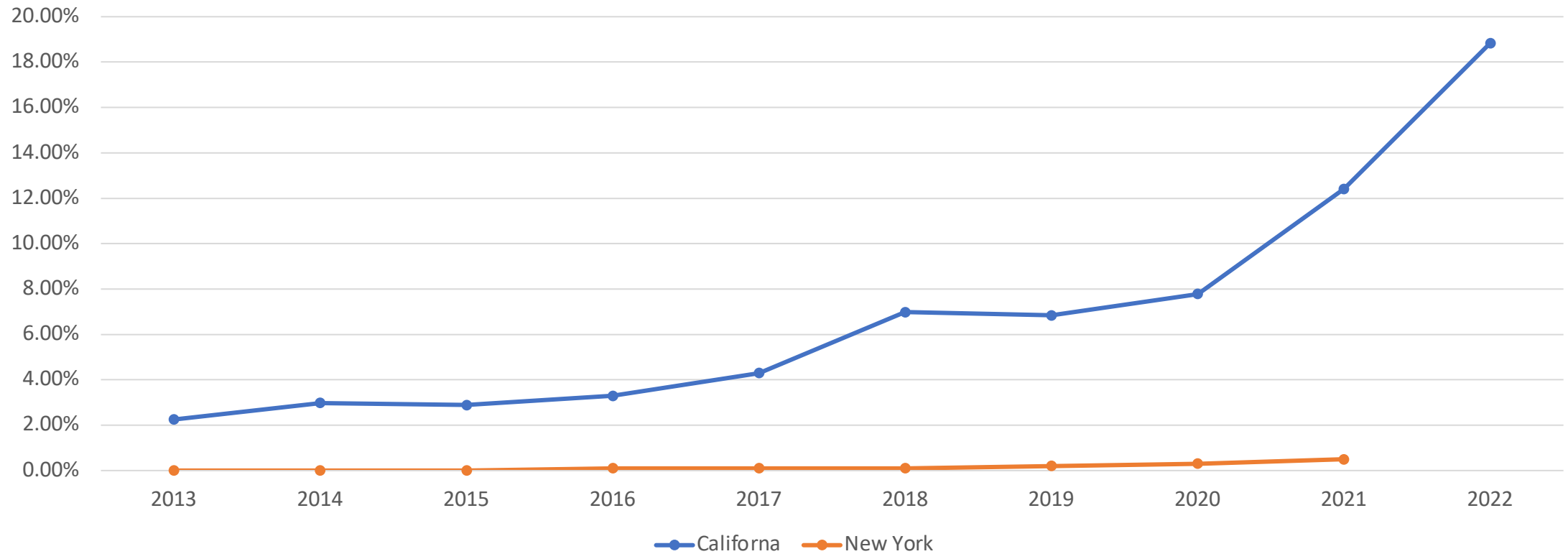
Source: DOE Alternative Fuels Data Center

## New York plug-in vehicle market share



# California & New York plug-in vehicle adoption

## California & New plug-in vehicle market share



# What can you do?

## New York State is far behind California:

- In 2022, NYS's plug-in market share was **< 1%** [estimated].
- In 2022, NYS' plug-in vehicle sales were **only 13% of California's** [44,000/345,818].
- NYS **ranks 12<sup>th</sup>** in plug-ins per 1,000 light duty vehicles.

[Sources: NYSERDA/Charge NY, DOE's Alternative Fuels Data Center]

- **Speak to your council member! Reach out to Mayor Adams!**
- Raise awareness via social media
- Contact a reporter (if you know one)

# References

- NYC Council website/Search legislation/**Int. 0279-2022**; See Hearing Testimony 12/15/22
- Sierra Club Press Release (Dec. 15, 2022): **“Environmental Advocates, Business Leaders & Elected Officials Say It’s Time For NYC To Go ZEV”**
- Union of Concerned Scientists blog (Feb. 13, 2023): **“New York City May Soon Set the Pace for Municipal Vehicle Electrification”**

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