

Indiana's EV Overview

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About OED

- ▶ **Mission:** To support the development of affordable, stable, and reliable energy solutions for the benefit of all Hoosiers.
- ▶ State of Indiana's federally-designated State Energy Office (SEO).
- ▶ **Priorities:**
 - ▶ Policy Guidance
 - ▶ Grant Administration
 - ▶ Public Education



U.S. Market Growth for EVs



US BEV Market

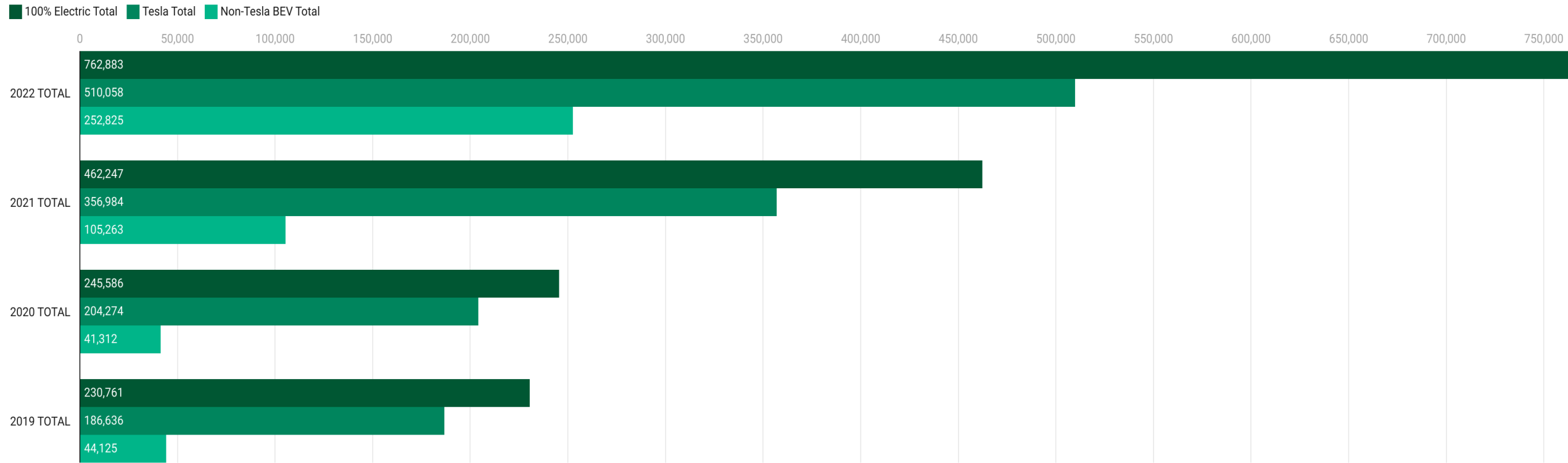
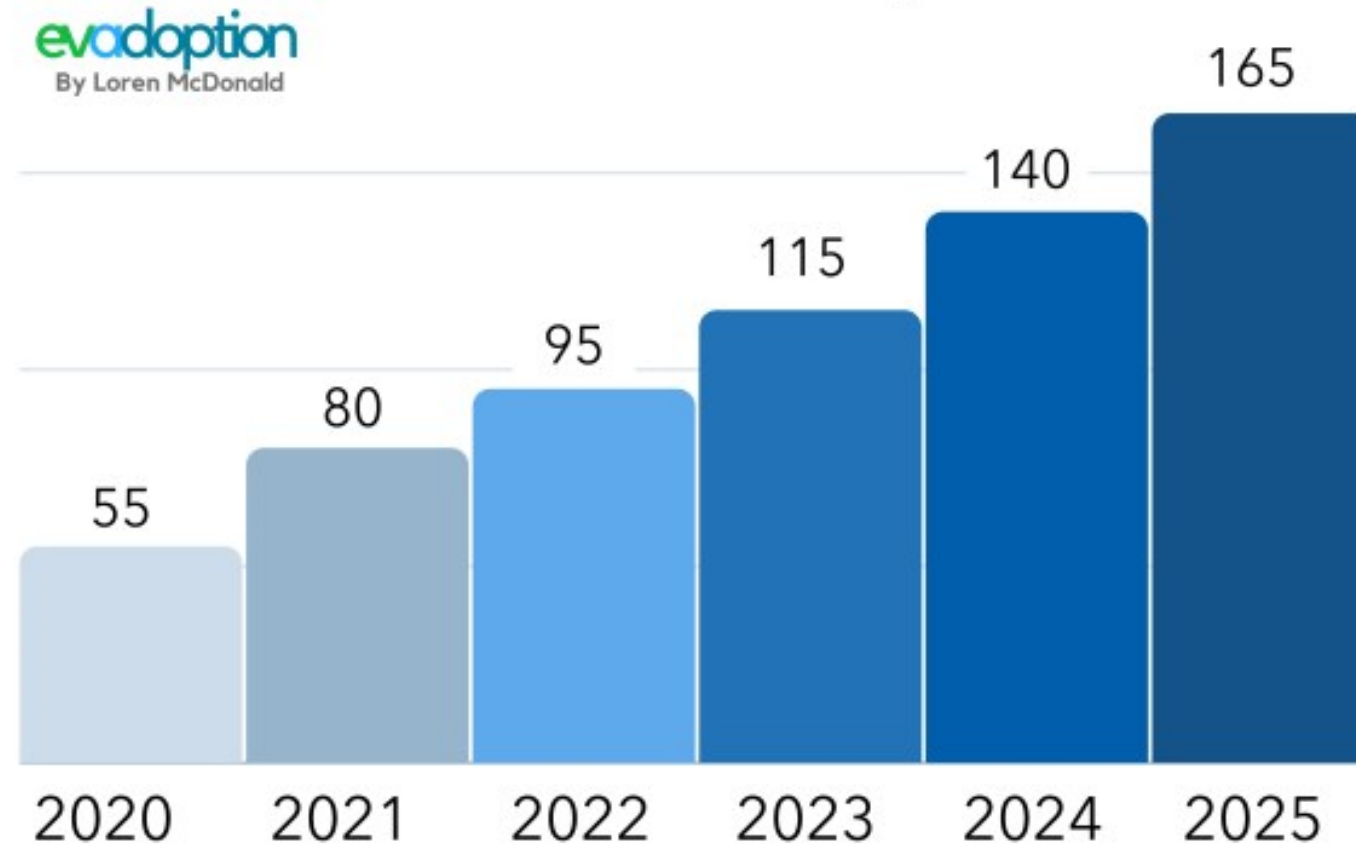


Chart: CleanTechnica • Source: CleanTechnica • Created with Datawrapper



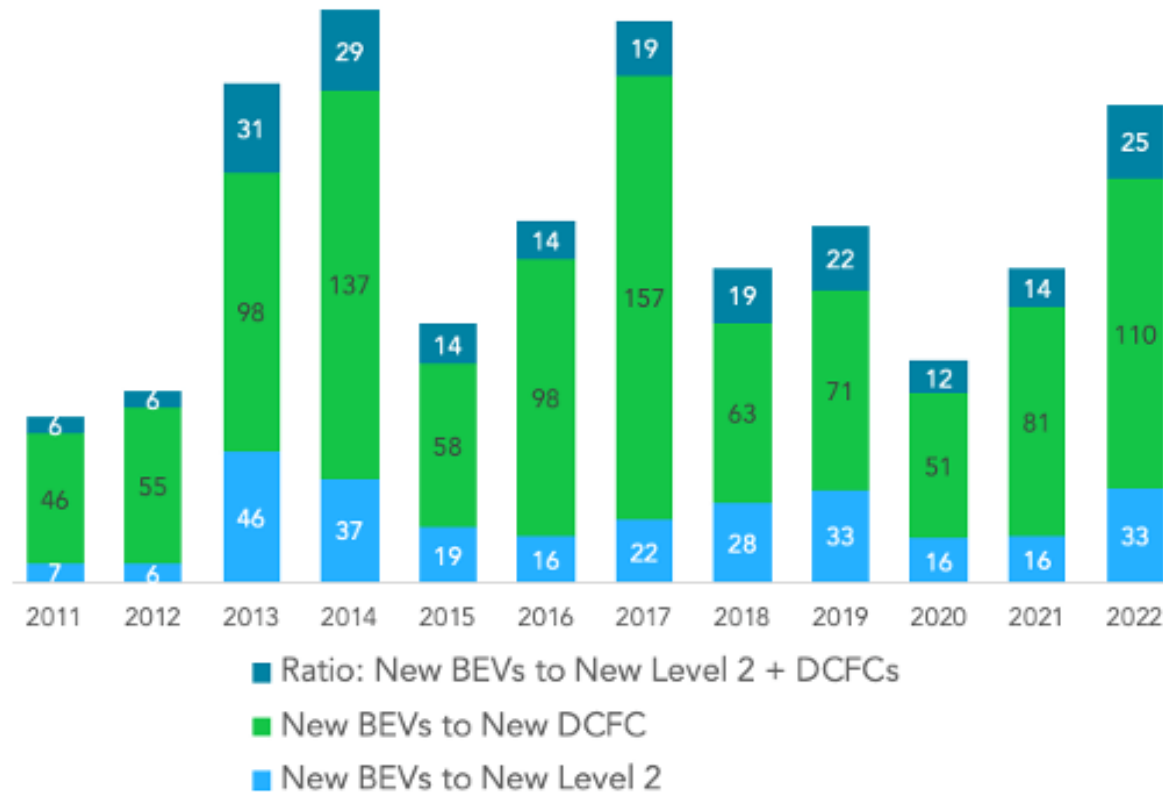
Number of EV Models Available to Triple by 2025

Number of EVs (BEV + PHEV)
Available in the US by Year



Charging Port Installations and New EVs Mismatch

Ratio of New BEVs to Newly Added DC Fast Charging Ports Reached 110 to 1 in 2022 – Third Highest Ratio Since 2011



Data: Alternative Fuels Data Centers (AFDC) | Alliance for Automotive Innovation/S&P Global Mobility
Chart: EVAdoption, LLC | April 8, 2023



Federal Action: Infrastructure Investment & Jobs Act (IIJA) of 2021



\$5 billion

for a nationwide network of 500,000 EV charging stations



\$2.5 billion

for publicly accessible alternative fuel infrastructure (EV charging stations; hydrogen/propane/natural gas fueling stations)



\$10.9 billion

to transition school buses, transit buses and passenger ferries to low- and/or zero-emissions alternatives

Source: White House IIJA guidebook, May 2022 edition



Federal Action: Inflation Reduction Act (IRA) of 2022

Spending and Tax Cuts

Figures in billions over 10 years from 2022-2031

● Health Care ● Energy ● Climate

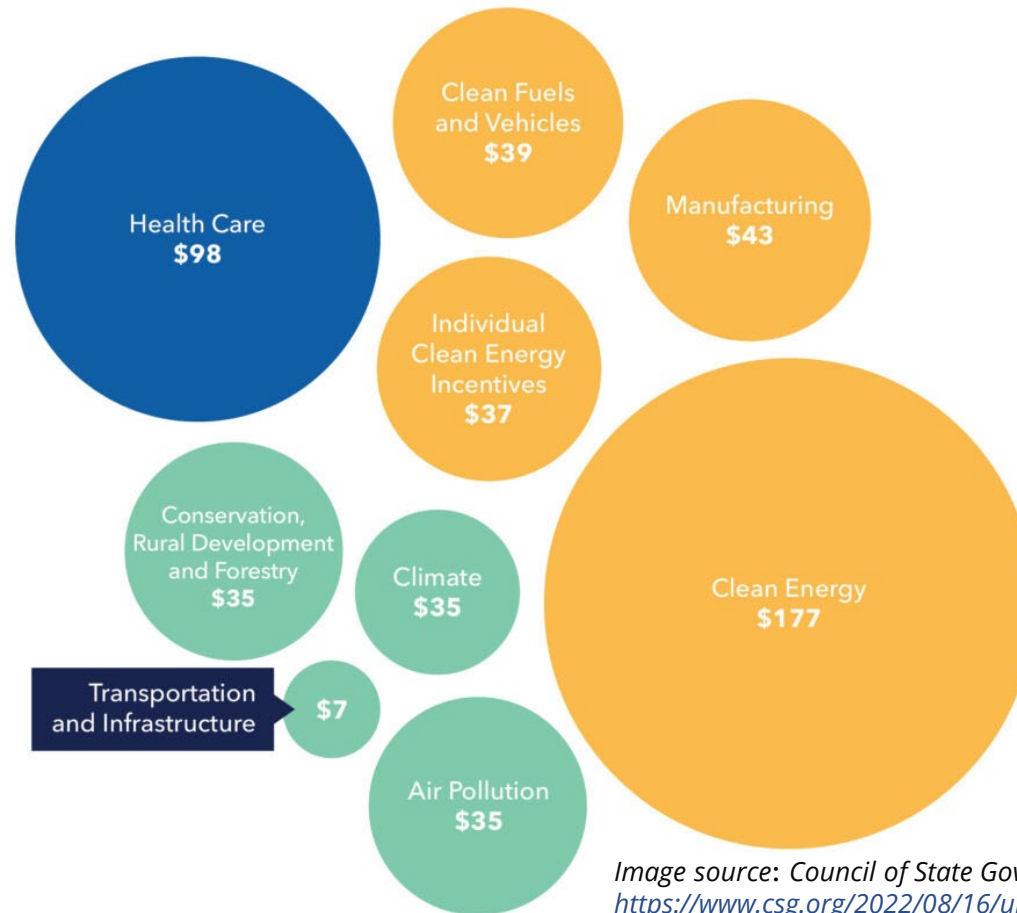


Image source: Council of State Governments
<https://www.csg.org/2022/08/16/understanding-the-inflation-reduction-act/>



State Activities on Electric Vehicles

- ▶ House Enrolled Act (HEA) 1221 (2022)
- ▶ Indiana Department of Environmental Management – Volkswagen Mitigation Trust Fund
- ▶ Indiana Department of Transportation – National Electric Vehicle Infrastructure (NEVI) Program
- ▶ Indiana Office of Energy Development – Regional Electric Vehicle (REV) Midwest MOU; Lake Michigan EV Circuit Tour MOU; Alternative Fuel Vehicle Dashboard
- ▶ Indiana Utility Regulatory Commission – Utility-based EV projects
- ▶ Indiana Economic Development Corporation – EV Product Commission



Indiana is Building the Automotive Evolution

**Stellantis plans \$2.5B EV battery plant,
1,400 jobs in Kokomo**

Inside Indiana Business

**Battery Component Manufacturer Plans \$1.5B
Investment in Indiana to Power Growing
Domestic Electric Vehicle, Energy Storage
Demand**
MAR 21, 2023

*Indiana Economic
Development Corp.*

Indiana gets investments in electric vehicle production

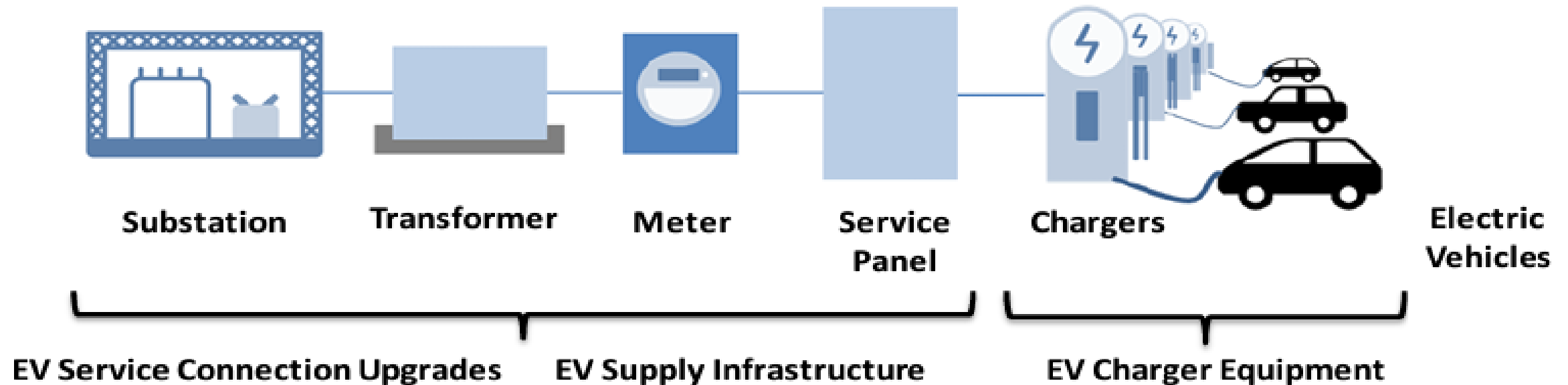
WISHTV.com

**Honda to move Accord production to
Indiana as part of EV shift**

Reuters

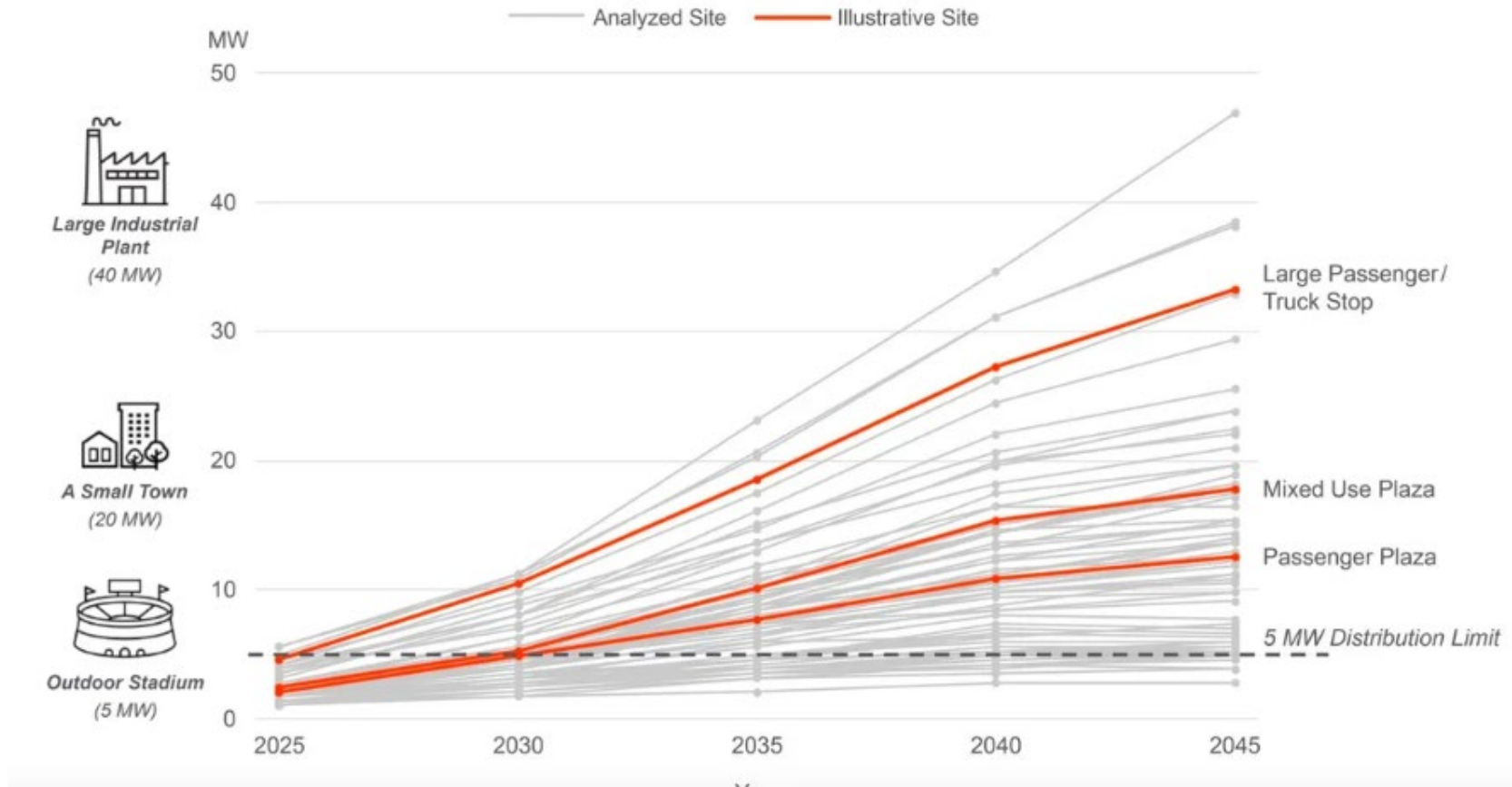


Preparing for EVs – Power Grid Perspective



Preparing for EVs – Power Grid Perspective

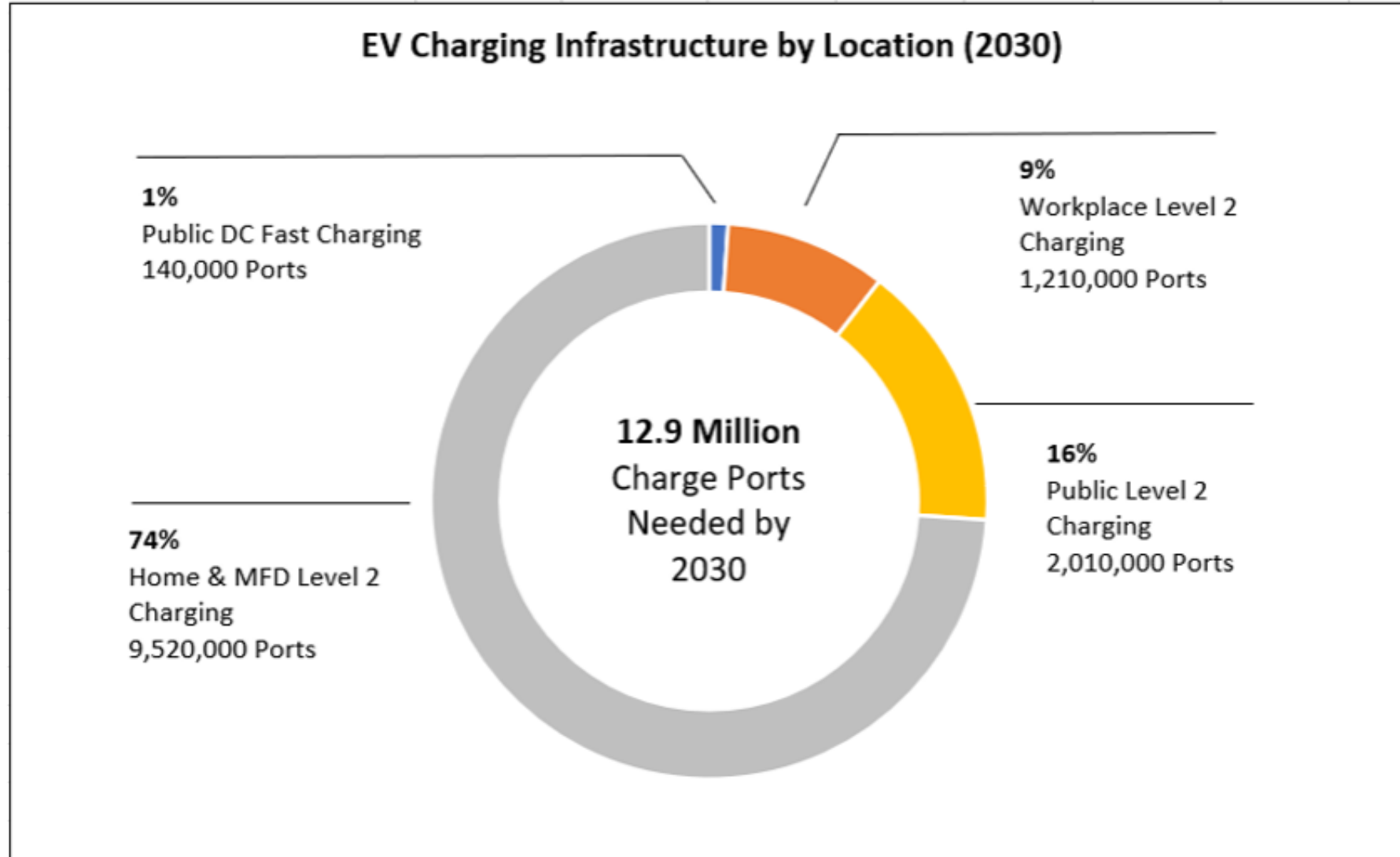
Figure ES-1. Capacity Required to Meet Annual Peak Demand at Each Site Compared to Other Large Energy Users



(Electric Highways study)



At-Home Charging Will be Dominant



Source:
Edison Electric
Institute



Thank you

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