

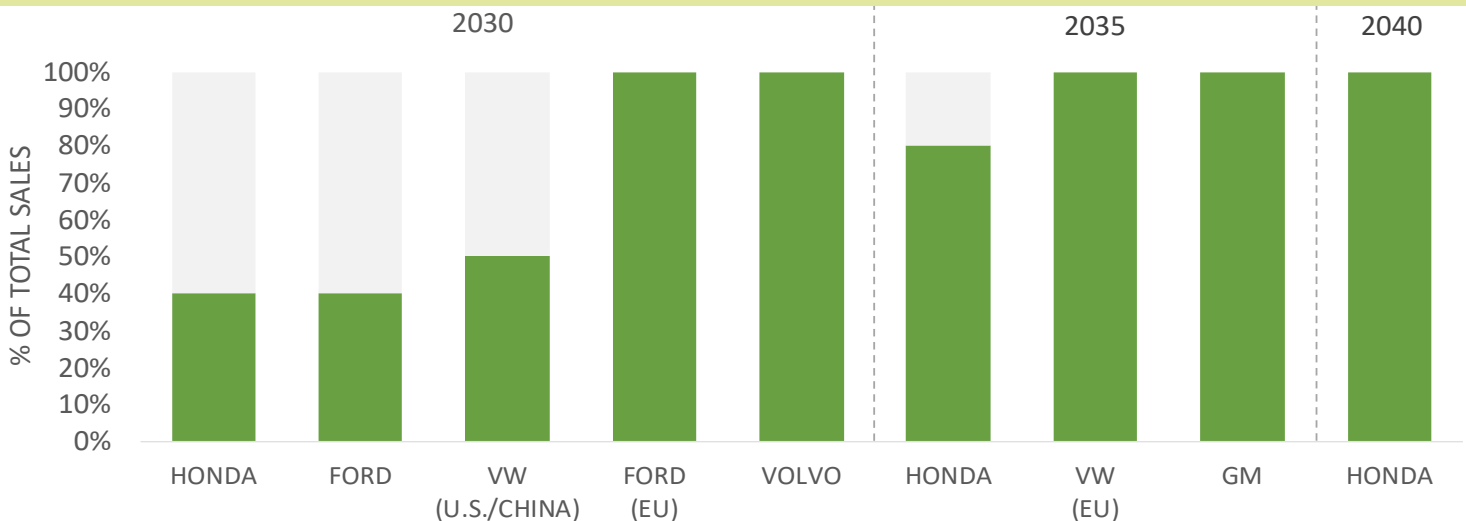
ZERO EMISSION VEHICLE STATUS UPDATE

The Biden Administration has an important opportunity to articulate a clear commitment to ensure over half of new vehicles sold in 2030—and **100% by 2035**—are zero emission vehicles (ZEV). Ambitious, multipollutant EPA standards consistent with these goals are supported by manufacturer commitments and investments and by recent actions and commitments by California and other nations around the world.

MULTIPOLLUTANT STANDARDS FOR PASSENGER VEHICLES THAT ENSURE ALL VEHICLES SOLD IN 2035 ARE ZERO-EMITTING WOULD DELIVER SUBSTANTIAL BENEFITS:

- ☉ Saving buyers of a new 2027 ZEV more than \$5,300 over the life of the vehicle;
- ☉ Eliminating more than 11.5 billion metric tons of greenhouse gas emissions by 2050—far more than the carbon emissions from China last year, which is responsible for more than a quarter of the world’s climate pollution;
- ☉ Preventing as many as 98,000 premature deaths by 2050 by significantly reducing ozone forming pollution and harmful particulate pollution that disproportionately burdens people of color;
- ☉ Saving Americans nearly \$1.6 trillion by 2050 in economic and pollution benefits, almost 10% of current U.S. GDP.

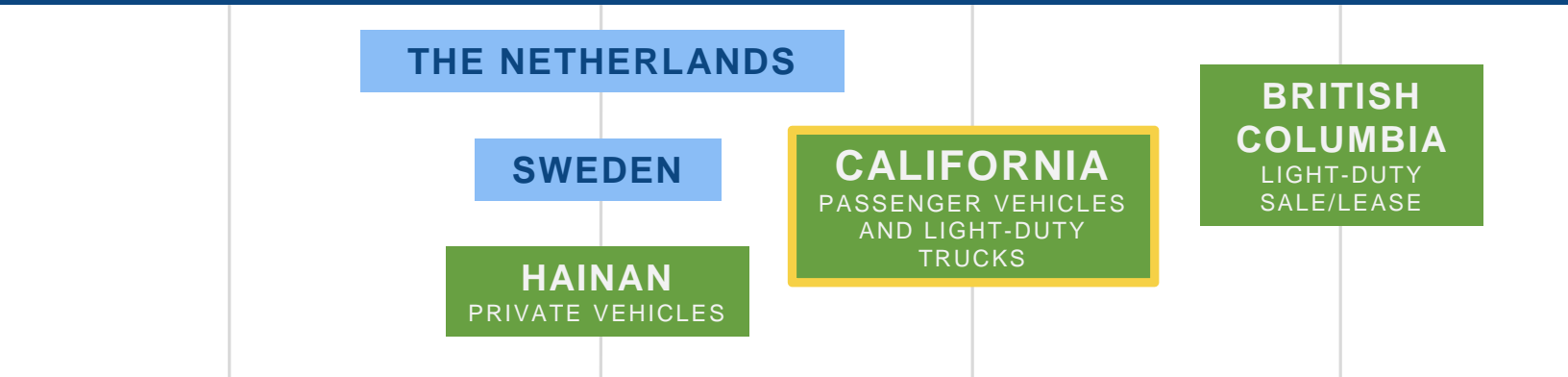
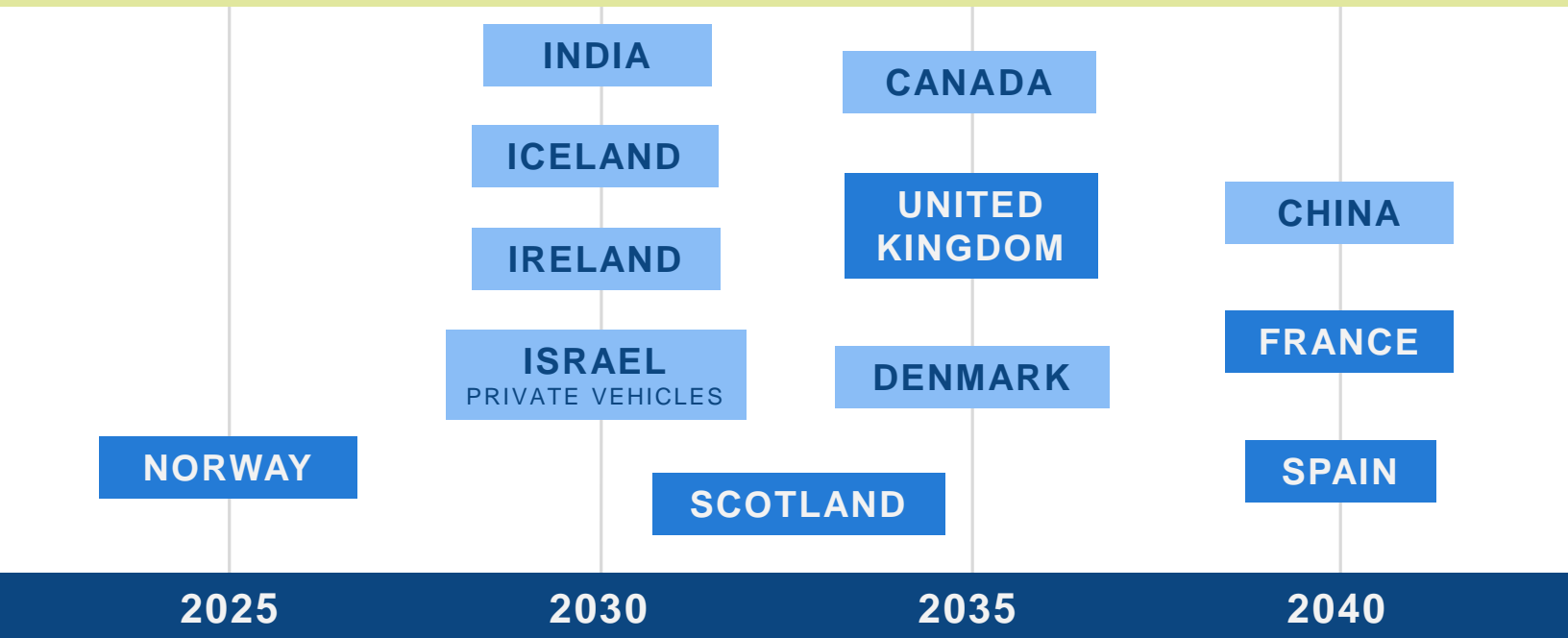
GLOBAL SALES FORECAST BY MANUFACTURER



FACTSHEET DATA ARE BASED ON UPDATED ANALYSIS BY MJ BRADLEY AND ASSOCIATES FOR EDF AS PART OF ITS REGULAR EV MARKET UPDATE.

STANDARDS AND COMMITMENTS

TIMELINE OF GLOBAL TARGETS TO ACHIEVE NEW SALES OF 100% ZEV



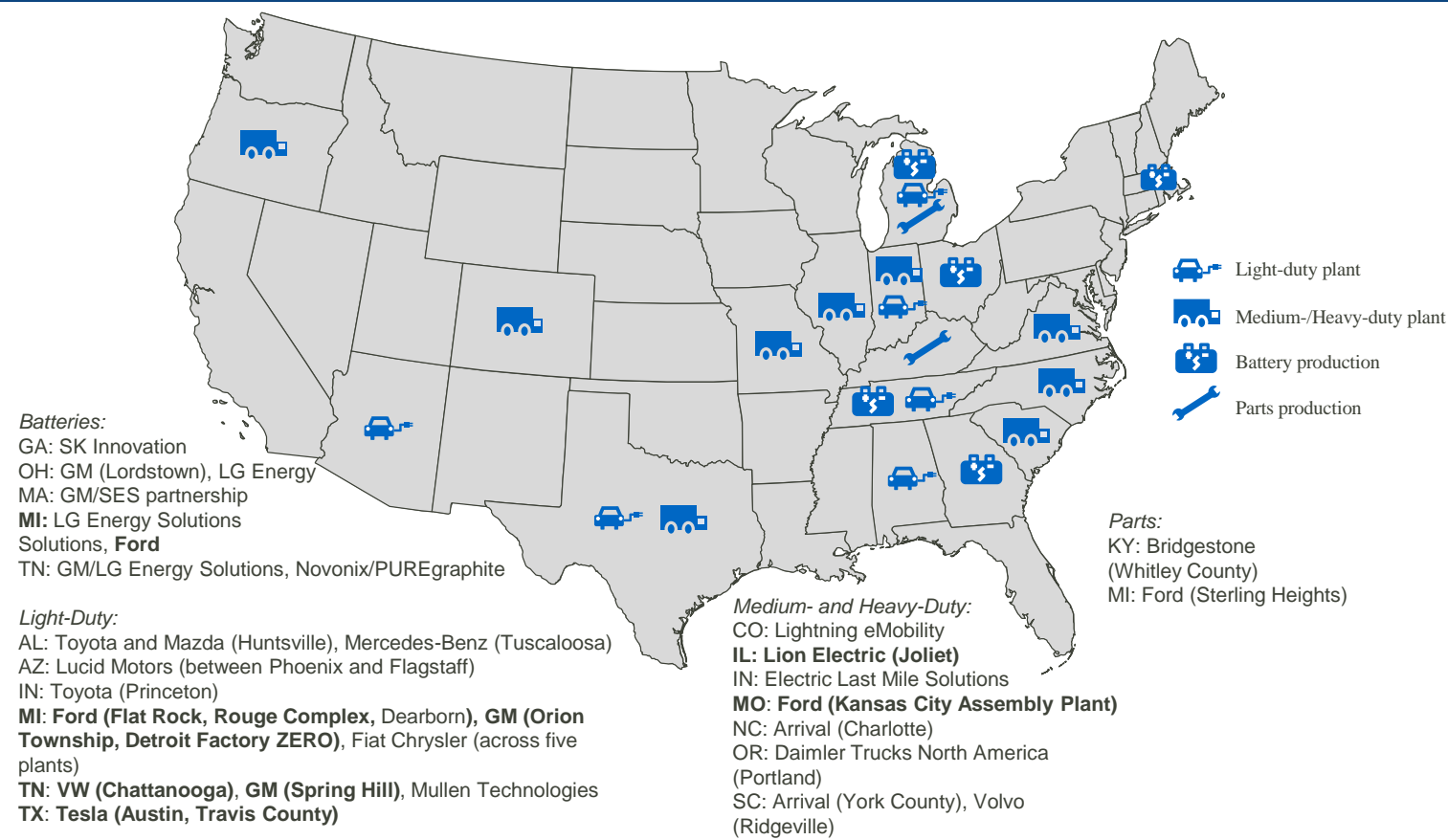
A NUMBER OF COUNTRIES, STATES, AND PROVINCES HAVE ISSUED COMMITMENTS TO ACHIEVE NEW VEHICLE SALES OF 100% ZEV. **CALIFORNIA** IS LEADING THE WAY, MOVING FORWARD WITH THE PROCESS TO ADOPT BINDING STANDARDS ENSURING 100% SALES OF NEW ZEVS BY 2035. **MASSACHUSETTS** HAS INDICATED IT WILL ADOPT CALIFORNIA STANDARDS. AND THE **EUROPEAN UNION** IS ALSO REPORTED TO BE CONSIDERING BINDING STANDARDS THAT WOULD REQUIRE 100% SALES OF NEW ZEVS BY 2035.

KEY
COUNTRIES (PASSENGER CARS & LIGHT COMMERCIAL VEHICLES)
COUNTRIES (PASSENGER CARS)
STATES & PROVINCES
BINDING STANDARDS UNDER DEVELOPMENT

MANUFACTURING INVESTMENTS

TOTAL MANUFACTURER INVESTMENTS ARE \$275.7B THROUGH 2025

- **GM** INCREASED INVESTMENTS TO **\$35B** THROUGH 2025 (UP FROM \$25B ANNOUNCED IN NOVEMBER)
- **FORD** INCREASED INVESTMENTS TO **\$30B** THROUGH 2025 (UP FROM \$22B)



LION ELECTRIC recently announced the largest all-electric medium- and heavy-duty vehicles plant in the U.S. to be located in **ILLINOIS**, an investment of over \$70 million and 745 jobs over three years.

GM will invest \$2.2 billion at Factory ZERO in **MICHIGAN** to produce vehicles like the all-electric Silverado pickup and \$300 million in its Orion Township plant, amounting to 2,200 and 400 new jobs, respectively. GM also received a \$35 million job training assistance grant from TN to retain and train 2,000 employees.

FORD plans to invest more than \$1.45 billion in **MICHIGAN** production, which could result in ~ 3,000 new jobs. This includes 900 jobs through a \$900 million expansion at its Flat Rock plant as well as 300 more created by a \$700 million investment at the Rouge Complex for production of the electric F-150. Ford is investing an additional \$100 million in its **MISSOURI** Assembly Plant and adding approximately 150 full-time jobs to begin producing the all-new E-Transit.

In November 2019, **VW** started the expansion of its Chattanooga, **TENNESSEE**, assembly plant, which aims to add 1,000 jobs that will support its new ZEV line-up.

TESLA is building a \$1 billion ZEV manufacturing plant in Travis County, **TEXAS**, that could support 5,000 direct jobs and more than 4,000 indirect jobs due to secondary effects. According to a May 2018 IHS Markit report, Tesla's operations have supported over 51,000 jobs in **CALIFORNIA** (20,189 directly, 31,424 indirectly through local supply).