

Preparing Your Community For Electric Transportation

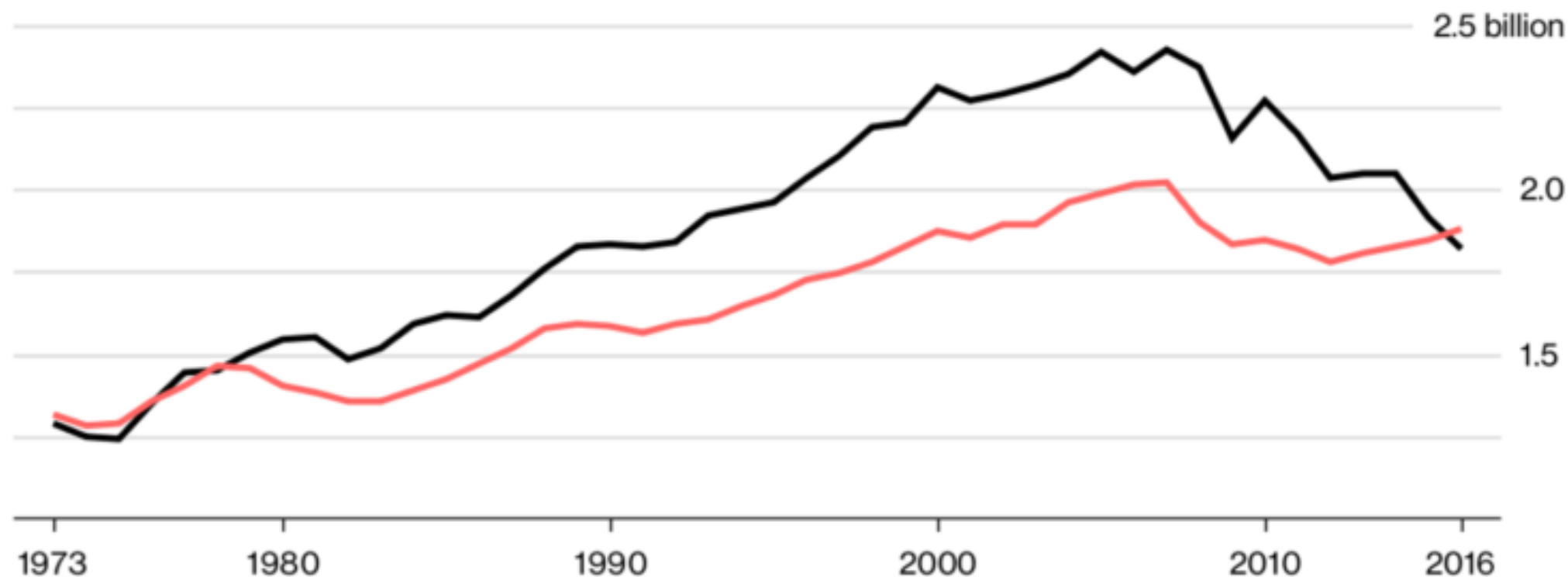
Ashwat Narayanan
Transportation Policy Director



America's New Pollution King

Transportation emissions have surpassed electricity emissions for the first time since 1978

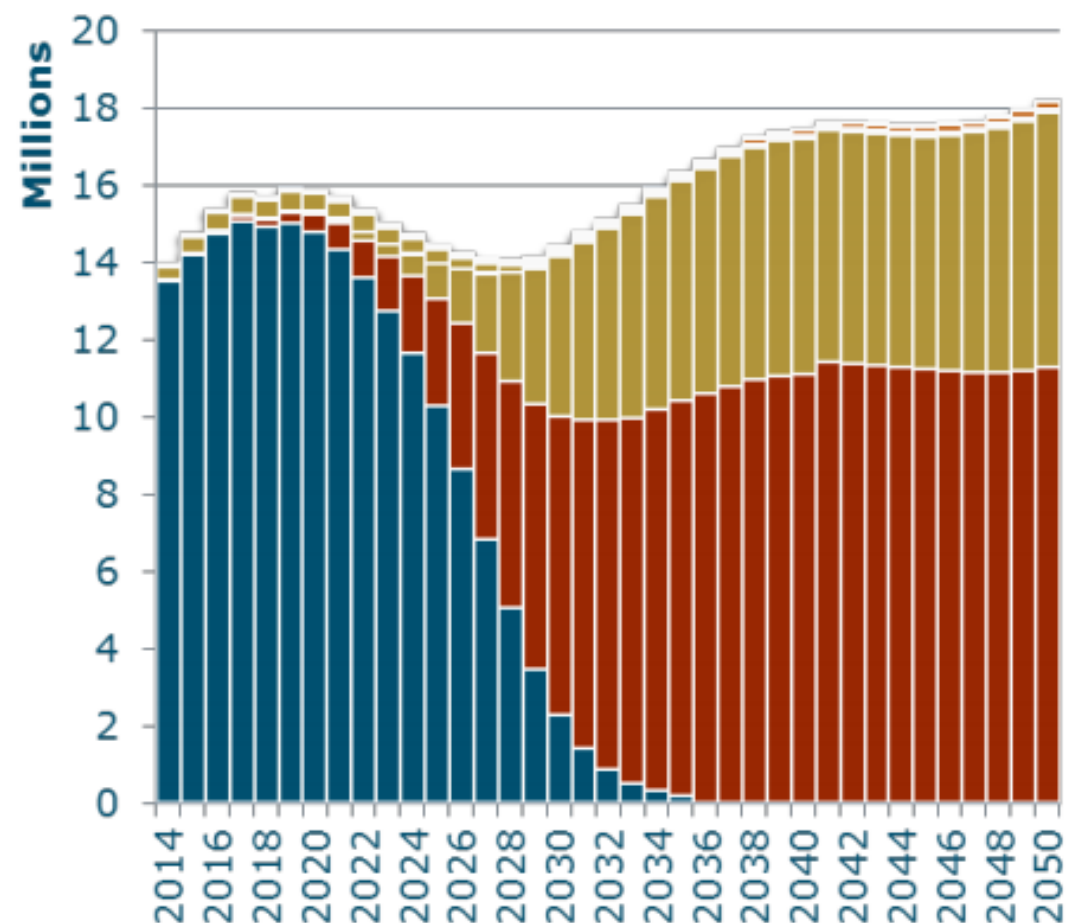
■ Electricity emissions (metric tons of CO₂) ■ Transportation emissions



U.S. Energy Information Administration

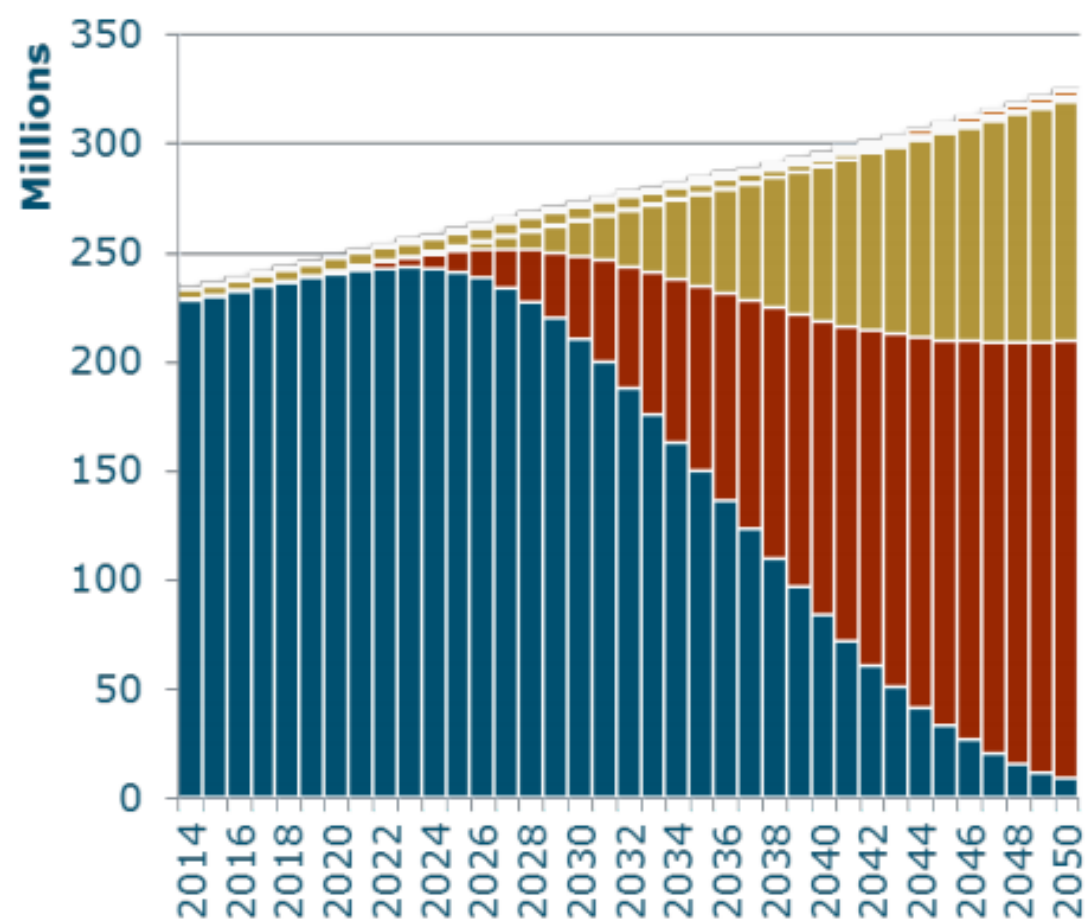
Bloomberg

Light duty auto sales



■ Reference Gasoline LDV ■ PHEV Gasoline ■ EV

Light duty auto stock



■ Reference Gasoline LDV ■ PHEV Gasoline ■ EV

Inclusively Reducing Emissions

Zero carbon emissions

Improving access to destinations and opportunity

Reduce air pollution and particulate matter emissions

Reduce traffic crashes, particularly amongst vulnerable groups

Reduced fuel costs

Reduce congestion on highways and streets

Cheaper to operate and maintain

Ensure everyone has reliable access to transportation

Costs of EVs are falling

Local Level Initiatives: Prioritize High Capacity Vehicles



Albuquerque Rapid Transit



Minneapolis Light Rail



Racine to get 6 new electric buses

Invest in Electric Car Sharing



Maven Car Sharing



Blue Indy, Indianapolis Car Sharing

Images: IndyStar, Dan MecMedan

Provide a Mechanism for Multiple EV Types



Change Zoning and Codes to Incentivize Charging

- Local parking ordinances to specify ToS for charging, standardize charging signage and rates
- Incentivize charging stations at parking spots in new developments
- Ensure that building electric wiring is up to code for new EV charging
- Provide free or cheaper parking for EVs
- Allow EV charging during on-street parking

Weave together EV and AV policy

- Fewer parking needs
- Reduced car ownership
- Reduced time spent driving
- Last-mile solutions