AEG BOSTON

Mass EV Challenge

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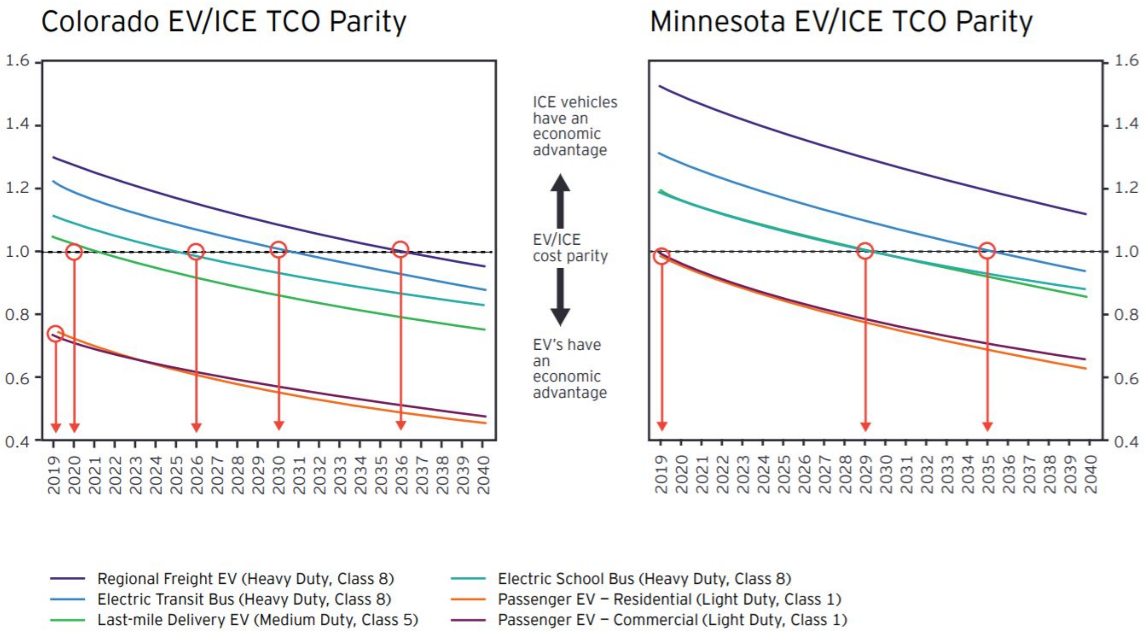
Adoption and Regional Differences & Consequences, Illustrated

Comparison of when EVs will reach Total Cost of Ownership parity with ICE vehicles

CO Parity Timeline
2036 - Regional Freight EV
2030 - Electric Transit Bus
2020 - Last-mile Delivery
2026 - Electric School Bus



MN Parity Timeline
N/A - Regional Freight EV
2035 - Electric Transit Bus
2029 - Last-mile Delivery
2029 - Electric School Bus

EY analysis: How commercial fleet electrification is driving opportunities

Effective TE will be shaped by fleet adoption

- PEVs are one pathway to decarbonizing the transportation sector, but fleet adoption will define the effectiveness of this market penetration
- With or without a Federal mandate, private industry in the US is is making unprecedented commitments to decarbonize operations and to electrify their fleets
- From 2014 to 2018 alone, the percentage of EVs within fleet sales quintupled
- We can leverage the economic recovery through the development of this growth in the energy sector

All Politics is Local: The Role of Commissions

- Accessibility and rate of adoption of EVs, will be inevitably co-managed by public utilities

- Efforts to electrify fleets are materializing in the public sector vis-a-vis municipalities and/or state goals

- This tasks Commissions to work closely to not only encourage adoption, for example, through rate design, but also to oversee the deployment of charging infrastructure, grid management and education

Key policy goals/mandates for TE

Regulatory “Wish List”

- Open Access Standards
- DER integration
- MOU’s
- CARB