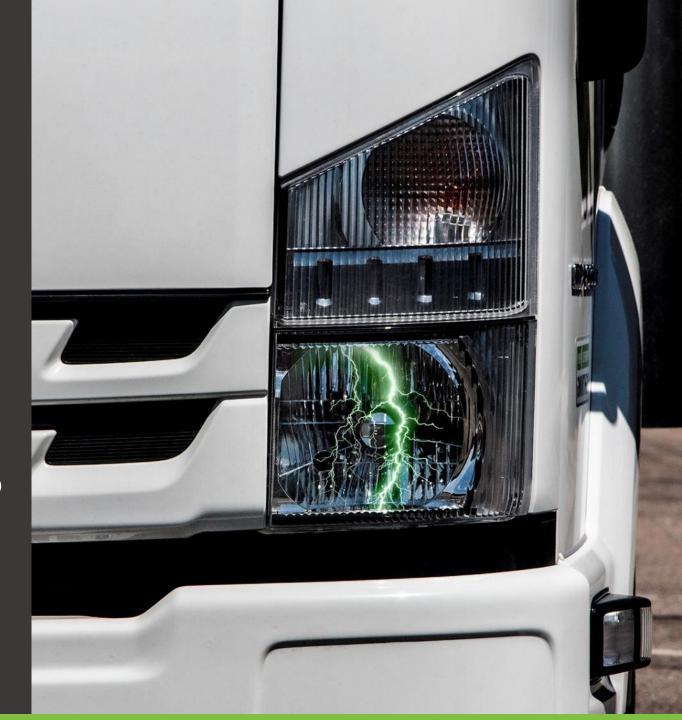


US DOE H2@ Airports Workshop

November 2020



What We Do

We provide complete electrification solutions for urban commercial fleets



(Direct Sales)





COMMERCIAL ZEVs

- Manufacture complete vehicles:
 Class 3 7 trucks & buses
- Offering both Battery (BEV) and Fuel Cell (FCEV)
- Highest up-time backed by supplier parts and service
- We sell powertrains to strategic partner

ANALYTICS

- Actionable fleet intelligence
- Unique Big Data on drive cycles
- Artificial intelligence optimization

CHARGING

- Complete charging solutions
- Patented mobile charging

FINANCING

- Support financing to overcome higher upfront costs
- Financing partner in place –
 Generate Capital















ELECTRIC POWERTRAINS FOR CLASS 3-8 VEHICLES

Repower EXISTING Vehicles Convert NEW Vehicles Class 3 Class 4 Class 5 Class 6 Class 7/8 Class 8 Ford F-59 **GM 6500XD Ford Transit 350HD Ford E-450 TRUCKS Ford F-550** FCEV in partnership with Plug Power **Ford F-550 Ford Transit 350HD Ford E-450 Transit Bus Motor Coach** Repower **BUSES**



CARB Certified | Enabled and supported by



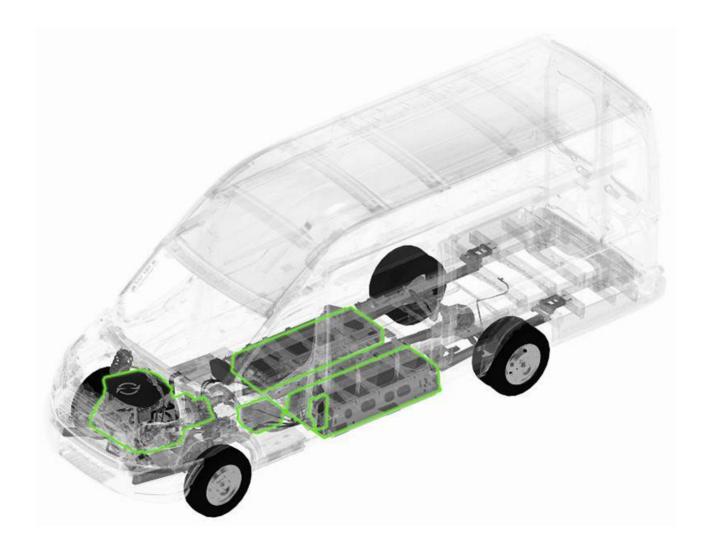




and their dealer networks

BEV/FCEV Synergies

- Electrified propulsion and accessories already in place
- Traction battery current capacity assists in reducing fuel cell dynamic requirements
- Vehicle level control system enables BEV/FCEV operation
- BEV traction battery commitment facilitates vehicle movement for short distances for fueling or maintenance needs



Strong Global Secular Trends

Regulation

 Zero Emission Zones: 30+ cities worldwide led by London and Santa Monica



- Commercial vehicles in California:
 - By 2023: 100% zero emissions for new airport shuttle buses
 - By 2029 (staged): 100% zero emission public transit authorities
 - Advanced Clean Truck Law: 100% zero emission trucks by 2045

Corporate Mandates



 Zero emissions targets at major corporates across industries including logistics, eCommerce, consumer goods and technology











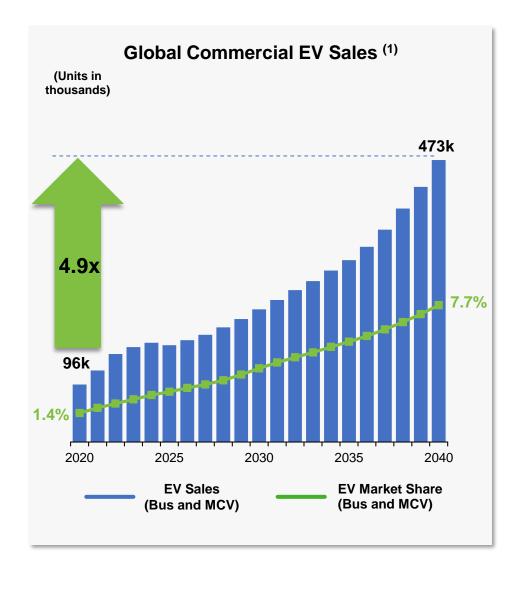




Grants



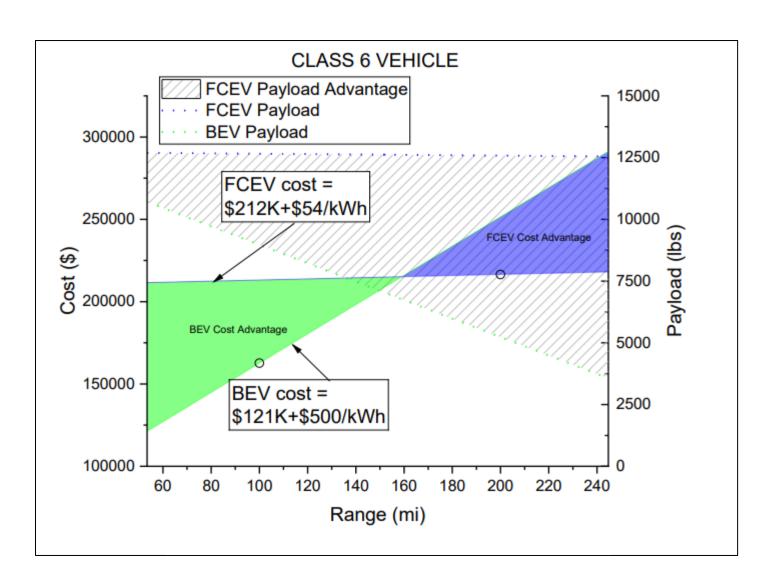
- Currently \$1bn per year in State and Federal grants
- Industry now at the inflection point of reaching lower TCO than ICE without grants



⁽¹⁾ Source: BloombergNEF EVO Report 2020. EV includes BEV (battery electric) and FCV (fuel cell) buses and medium commercial vehicles (MCV).

FCEV Benefits

- Improved Operating Range
- Improved Payload
- Improved Availability (based on +12 hours of Operation)
- Improved TCO for longer range options



FCEV Recommendations

- Increase leverage on the ZEV regulatory front to incent more FCEV applications (currently Class 8 only)
- Utilize BEV platforms that are already in production to facilitate/accelerate mobile operations for FCEV
- Change ZEV mandates for urban areas and major cities to exclude passenger cars as a means of fulfilling ZEV commitments.