

TCO Calculator for Electric Vehicles

Chairman: David Black, Flow Below

Secretary: Chris Perry, Flow Below

Attendees were made aware of the ATA antitrust and patent disclosure guidelines.

David Black from Flow Below began the meeting. He explained this new Task Force on the TCO (Total Cost of Ownership) Calculator for EV (Electric Vehicles). He reviewed the agenda and the Scope and Objectives.

- Develop a Comprehensive Total Cost of Ownership Calculator for Electric Vehicles
- Scope should initially be limited to Class 8 vehicles
- Key cost components and terminology should be adequately defined to apply across all OEMs and suppliers
- Calculator should be dynamic and allow for change and variables in the EV space
- Barriers should be identified, noted, researched and if possible, a placeholder created within the calculator for later use
- Collaborate with other TMC Task Forces working in the EV space

The need for TCO calculator for fleets for utilization within the industry main points was made by the speaker David Black. The feedback from fleets & OEMs (Original Equipment Manufacturer) regarding calculators and math used. This calculator needs to be simple, easy to use & understand.

David Black further defined what the calculator should focus on. Should there be an option to include infrastructure charging? Or maybe a possible fleet profile calculator to determine best practices & utilization of charging vs truck back at domicile. David Black proposed next 18-month timeline. The expected turnaround time based upon total 'downtime" part of fleet profile.

Infrastructure should be separate option for TCO calculator. Prequalify fleet for BEV (Battery Electric Vehicle) for steps & parts of calculator. Aerodynamics in the TCO calculator can be used as example for fleet profile. The BEV TCO calculator should be same thought. Mike Roeth (NACFE) provided ideas regarding spreadsheet vs summary evaluation (Ken Marko) expanded on idea. Kirk Rutherford provided further ideas to the 'building" TCO. The guide vs TCO suggested again.

The meeting was adjourned. The Task Force will meet in open session on September 17, 2023, during TMC's 2023 Fall Meeting in Cleveland.