



Poster P-16

Chassis Dynamometer Testing of Parallel and Series Diesel Hybrid Buses

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Acknowledgement: Houston Metro

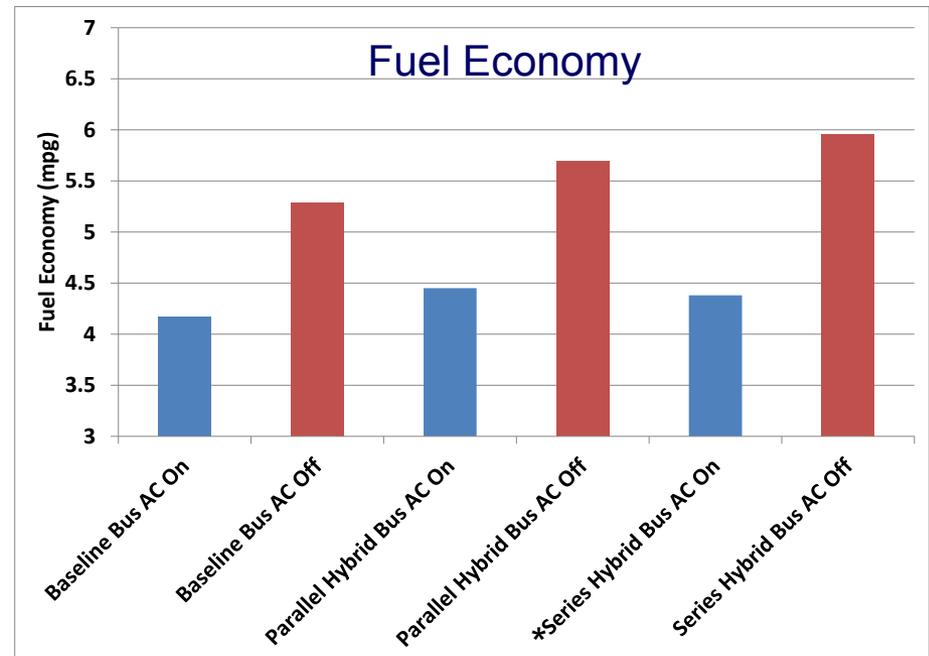
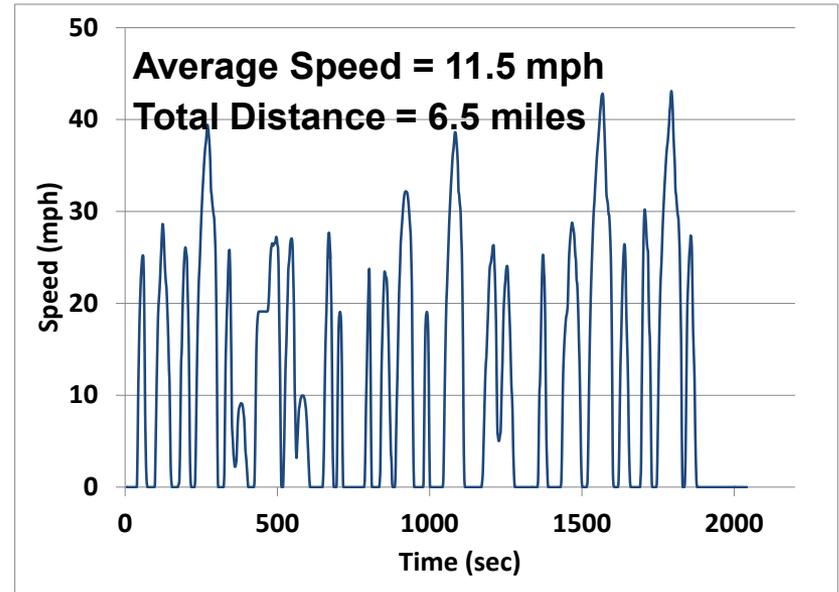
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Goal: Comparison of Parallel and Series hybrid transit bus with and without Air Conditioning

Preliminary Results:
 Air Conditioning showed 20%+ impact on fuel economy. The series hybrid was more fuel efficient for this drive cycle than parallel hybrid. Active DPF regeneration during series hybrid testing (with AC) caused an increased fuel penalty.

Houston Metro Bus Cycle



*DPF – active mode