

Metro Transit's Advanced Hybrid Bus Project



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Project History

- Funding Tigger II Grant
- 2-Advanced Hybrid Buses
 - Mfg. New Flyer, low floor Excelsior
 - All electrical operation, w/Clean Diesel
- One bus delivered
May 2012
- Second bus to be
delivered Nov. 2012



Advanced Hybrid Features

- BAE series hybrid drive
- Electric accessories
 - engine cooling fans, air conditioning, power steering, pneumatic compressor
- Garage mode
- Mall mode
- Start/Stop mode (second bus)



Start / Stop Mode

- Engine shut-down at bus stops and stop lights
- Beta 2013 engine installed
- Reduce idle time, increase MPG
- Monitor effect on exhaust after-treatment

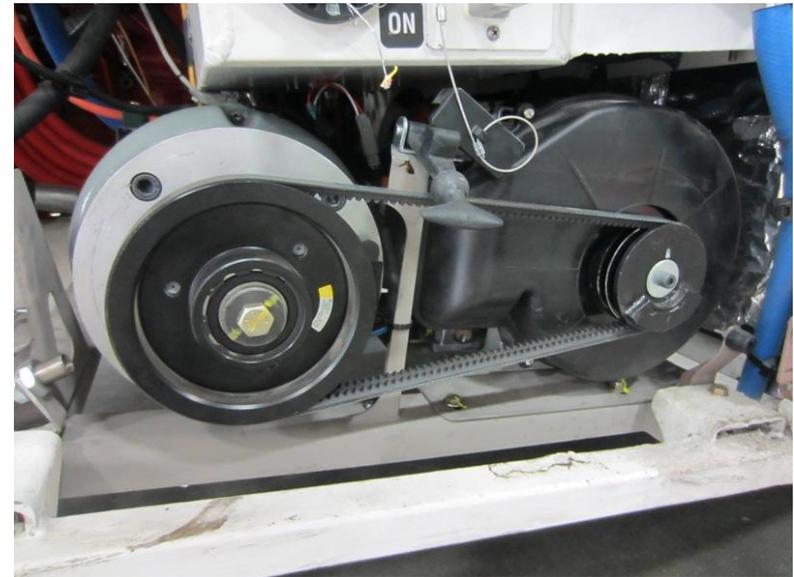


Technology Partners



Advanced Hybrids in Service

- Operated on Nicollet Mall routes
- Electric operation in garage
- Some electric operation on Nicollet Mall
- Start / Stop
- Monitor components, systems and bus performance



State Fair Roll-Out

- One bus in parade
- One bus on display at Eco Experience
- Media event – 8/24

