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# Low-Emission Diesel Electric Hybrid Buses

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The Hybrid Bus Procurement initiative began with a \$6,000,000 Go Georgia Grant which was used, in combination with state, federal and local funds, towards purchasing our first 12 hybrid buses. During the 2015 legislative session, the Georgia General Assembly designated \$75 million in bond funds for the "GO! Transit" state-wide competitive grant program. The State Road and Tollway Authority was identified to administer it. In 2016, they approved a \$6 million grant to ACC Transit for eight hybrid electric buses. Transit staff successfully negotiated a combination of previously-awarded grants from the Federal Transit Administration and Georgia Department of Transportation with the GO! Transit grant to purchase the additional 4 buses.

Currently, federal grants, with local matching 2018 T-SPLOST funds, allow the purchase of additional hybrid electric buses which replace older buses that have exceeded their useful life and are experiencing increased operating and maintenance costs. To date Athens Transit has 19 Hybrid buses out of a 32 bus fleet.

## ENVIRONMENT

- **Hybrid buses have an increased fuel economy of 38% over conventional diesel powered buses.**
- **ACC Transit saves an average 11.12 gallons of fuel per hybrid bus per day of operation. Yearly savings in diesel gallons equates to 3,969 gallons per hybrid bus.**
- **Hybrid powered buses dramatically reduce CO<sup>2</sup> emissions and Nitrogen Oxides.**
- **LED Lighting is used rather than fluorescent lights, which contain Mercury.**

## FUNDING

**\$6,000,000** Georgia GO! Transit Grant Initial Funding

**\$ 560,000** Federal Transit Association Grant

**\$ 70,000** GDOT: 10% Match

**\$ 70,000** SPLOST: 10% Match = COST TO LOCAL TAX PAYERS

**\$ 700,000** Cost of Hybrid Electric Bus

The Hybrids were built by Gillig, LLC in Hayward, California

