



# Low-emission Diesel Electric Hybrid Buses Athens-Clarke County Transit

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The 12 new low emission diesel hybrid electric buses are the first hybrid buses in the Athens-Clarke County Transit fleet. Purchased with a combination of local, state, and federal funds for \$8.4 million, the new buses replace older buses that have exceeded their useful life span and are experiencing increased operating and maintenance costs. The new hybrid buses were built by Gillig, LLC in Hayward, California.

During the 2015 legislative session, the Georgia General Assembly designated \$75 million in bond funds for the “GO! Transit” state-wide competitive grant program and identified the State Road and Tollway Authority (SRTA) to administer it. In October 2016, SRTA approved a \$6 million grant to ACC Transit to fund eight hybrid electric buses. Transit staff successfully negotiated a combination of previously-awarded grants from the Federal Transit Administration (FTA) and Georgia Department of Transportation (GDOT) with the GO! Transit grant.

These grants, with local matching 2011 SPLOST funds, allowed the purchase of four additional hybrid electric buses. Athens-Clarke County Transit is the only public transit provider in the state to receive a SRTA grant and combine the funds with other grants to increase the total number of buses purchased.

## Delivery Schedule

### February 2018

Twelve hybrid buses were placed into revenue service to replace older 2004 era buses. This represents half of Transit’s daily revenue service fleet.

### Spring 2019

Three additional hybrid buses will be placed into revenue service.



## Bus Specifications

- Hybrid electric diesel buses
- 2018 Gillig Low-Floor 40’ BRT Heavy Duty Transit bus
- Nickel metal hydride (NiMH) battery-powered hybrid drive system built by Allison
- Meets clean air standards issued by the federal Environmental Protection Agency (EPA)
- Automated Vehicle Locating system (AVL) by Avail software and the myStop® real-time passenger information app
- Can carry three bicycles in a front-mounted exterior rack
- Seats up to 37 passengers, including six priority seats for seniors and mobility-impaired individuals. Allows for 24 additional standing riders.



## Environment

- More than 2x more fuel efficient & 125% improved fuel consumption vs. the buses they replaced
- 96% less emissions of smog-forming nitrogen oxides & 90% less particulate matter vs. the buses they replaced
- Hybrid technology expected to reduce greenhouse gas emissions by an estimated 15%
- Interior low energy LED lights



## Accessibility

- Upgraded wheelchair ramp with over 50% more weight capacity (950 lbs.)
- Redesigned ramp with a maximum entry angle of less than 10°
- New, easier to use, less intrusive, 3-point securement system for wheelchairs
- 40” wide rear doorways, compared to 31” on buses being retired

## Funding

\$6,000,000	Georgia GO! Transit Grant
\$600,000	ACC Special Purpose Local Option Sales Tax (SPLOST) 2011 Funds
\$720,000	Federal Transit Administration - FY17 Capital Grant (80%)
\$90,000	Georgia DOT (10% match)
\$90,000	SPLOST (10% match)
\$720,000	Federal Transit Administration - FY18 Capital Grant (80%)
\$90,000	Georgia DOT (10% match)
\$90,000	SPLOST (10% match)
<b>\$8,400,000</b>	<b>Total Project Funding</b>

