

**RESOLUTION SUPPORTING THE PURSUIT OF ELECTRIC BUS ACQUISITION
FOR THE GREENSBORO TRANSIT AUTHORITY'S FIXED ROUTE BUS FLEET**

WHEREAS, the Greensboro Department of Transportation/Greensboro Transit Authority is pursuing the acquisition of electric buses as replacement vehicles for diesel buses that have met their useful life through FTA Section 5339 Low and No-Emission Vehicle grant funding; and

WHEREAS, the use of electric buses in GTA's fleet can result in significant fuel savings of up to \$365,000 over the lifetime of the bus as compared to diesel and up to \$250,000 over the lifetime of the bus as compared to hybrid; and

WHEREAS, the use of electric buses in GTA's fleet can result in significant maintenance savings of up to \$135,000 over the lifetime of the bus, as compared to diesel buses, due to 30% fewer parts, no liquid fuel use, and regenerative braking system; and

WHEREAS, the Greensboro metropolitan urban area has been designated a Maintenance area for Particulate Matter 2.5 by the Environmental Protection Agency and as electric buses produce zero tailpipe emissions, the use of electric buses in GTA's fleet will support the City's air quality improvement goals and requirements; and

WHEREAS, electric buses are up to 2 tons lighter than conventional buses, reducing the wear and tear on city roads; and

WHEREAS, electric vehicles will strengthen U.S. national security and national economy by decreasing dependence on foreign oil, of which three-quarters is consumed by the transportation sector; and

WHEREAS, the Council's support of the acquisition of electric buses and associated equipment including charging infrastructure for GTA's fleet will strengthen the Greensboro Department of Transportation's grant application for federal, state, and private corporate funding.

**NOW THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF
GREENSBORO:**

That the Greensboro City Council supports GTA's acquisition of electric buses and associated equipment to replace diesel buses that have met their useful life and to pursue FTA Section 5339 discretionary grant funding for that purpose.