

# Electric Bus Fact Sheet

- Delaware Transit Corporation received four Low or No Emission Bus and Bus Facilities Grants through the Federal Transit Administration (FTA) totaling \$9.168M
  - \$2,029,300 (FY 16)
  - \$1,000,000 (FY 17)
  - \$2,600,000 (FY 19)
  - \$3,538,700 (FY 22)
- 14 Buses (current count)
  - Four Low/No Emission Bus Grants
  - Electric Buses Currently Operating
    - Ten in New Castle County
    - Six in Kent County\*
    - Four in Sussex County
    - Six on order for NCC and Sussex Counties
  - 100% battery electric – quiet, zero emissions, no exhaust, no tail pipe
  - 4-5 times more efficient than comparable diesel buses; lower maintenance costs
  - Faster acceleration than a diesel bus

By early 2023, DTC will operate **26 electric buses and be installing additional in-route chargers** for use across the State. DTC's electric buses will comprise **10%** of its entire fixed-route bus fleet.

\*Six electric buses were operating in Kent and are being replaced with a universal charging system.

- 100% Battery Electric; Quiet; Zero Emissions, no exhaust or tail pipe
- 4-5 times more efficient than comparable diesel buses; lower maintenance costs
  - CNG: 3-4 mpg(e)\*
  - Diesel: 3-5 mpg
  - Diesel-Electric Hybrid: 5-7 mpg(e)\*
  - **Electric: 16-29 mpg(e)\***

\* mpg(e) is miles per diesel gallon equivalent
- 150-200 miles per 6-8 hours depot charge
- One overhead (pantograph) charger in operation at Lewis Transit Center
- Future overhead charger at Dover Transit Center
- Two overhead chargers in New Castle County
- Faster acceleration than a diesel bus
- Cost of \$850,000 to \$950,000 per bus
  - Federal Share: 70% (FY 16 Grant); 80% (FY 17 & FY 19 Grants)
  - State Share: 30% (FY 16 Grant); 20% (FY 17 & FY 19 Grants)

