Battery Electric Bus (BEB) Update:

County Fair Performance & Eight (8) New Buses Entering Service soon

Transit Advisory Committee

Ryan Jones
September 8, 2026



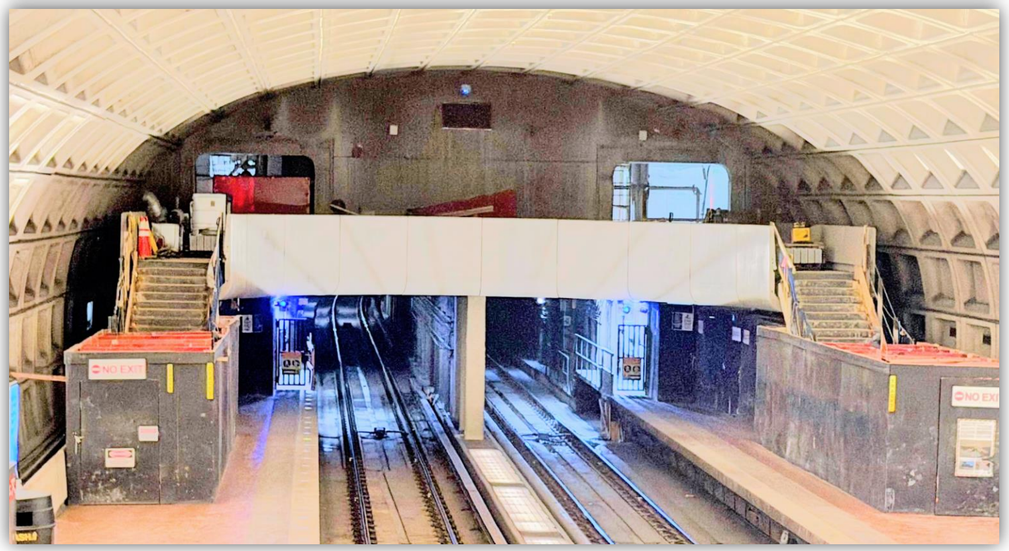
ART's 8 New Battery Electric Buses (BEBs)

- Overview
  - Expands ART’s battery-electric fleet from four to 12 buses.
  - Replaces eight aging CNG buses that reached the end of their useful life.
  - Each new bus has a 686-kWh battery, supporting reliable daily service across Arlington.
  - Provides quieter rides, zero tailpipe emissions, and improved air quality for the community.
  - Builds on lessons from ART’s BEB pilot.
  - Successfully supported the 2026 Arlington County Fair and is being prepared for regular revenue service.
  - Advances ART’s transition toward a 100% zero-emission fleet and Arlington County’s carbon-reduction goals.
  - Five of the eight began revenue service on September 1, 2026.

ART BEB at the 2026 TAC Capital Tour
August 18th, 2026

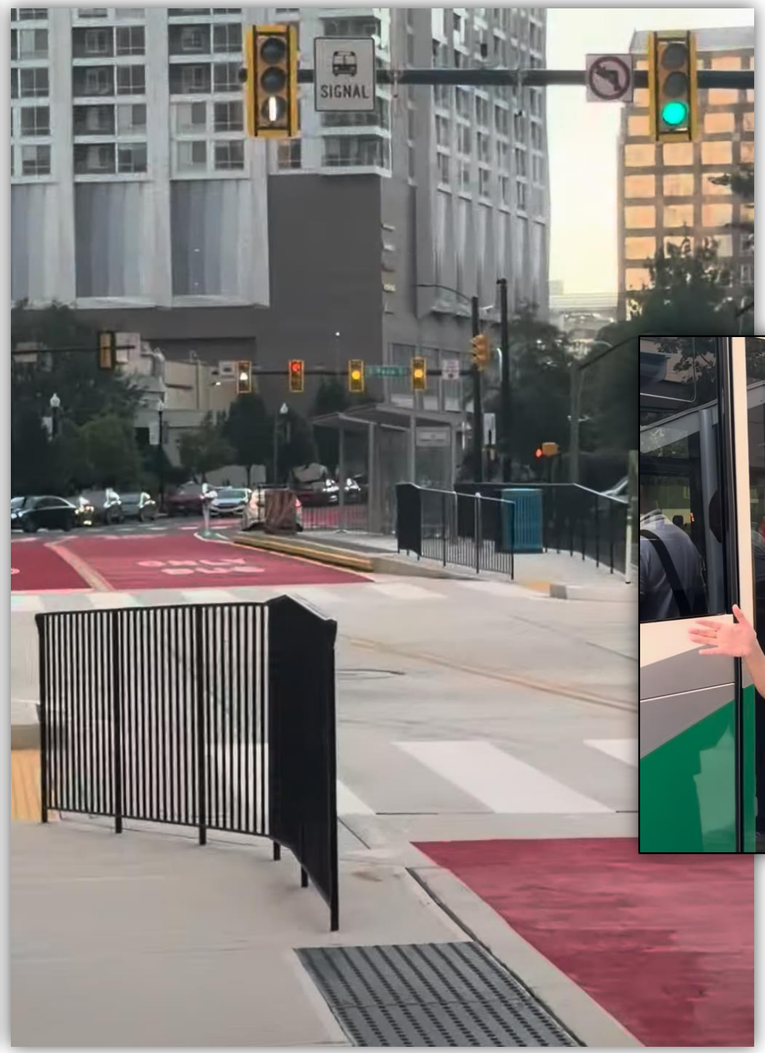






ART BEB at the 2026 TAC Capital Tour
August 18th, 2026









ART BEBs at the 2026 County Fair

August 12th – 15th

Soft Launch: Cooling Vehicle, V2L for the photo booth, Shuttle to/from Ballston









FROM DELIVERY TO DEPLOYMENT: ART's BEBs Get Their First Real-World Proving Ground

- 297 shuttle trips / 1,020 miles
- 13,833 passengers carried
- 172+ hours of shuttle service
- 21+ hours as a stationary cooling center with Marketing engagement + feedback
- Overcrowding relief bus after serving as a cooling center
- Vehicle-to-load (V2L) demonstrated for the County Fair photo booth with up to 700 watts of power from the bus with two regular 120v outlets
- Soft launch completed before regular fleet assignment



County Fair V2L Demonstration: Evaluating Future Emergency-Support Applications









From Four BEBs to Twelve: ART's Expanded Battery-Electric Fleet









From Four BEBs to Twelve: ART's Expanded Battery-Electric Fleet







