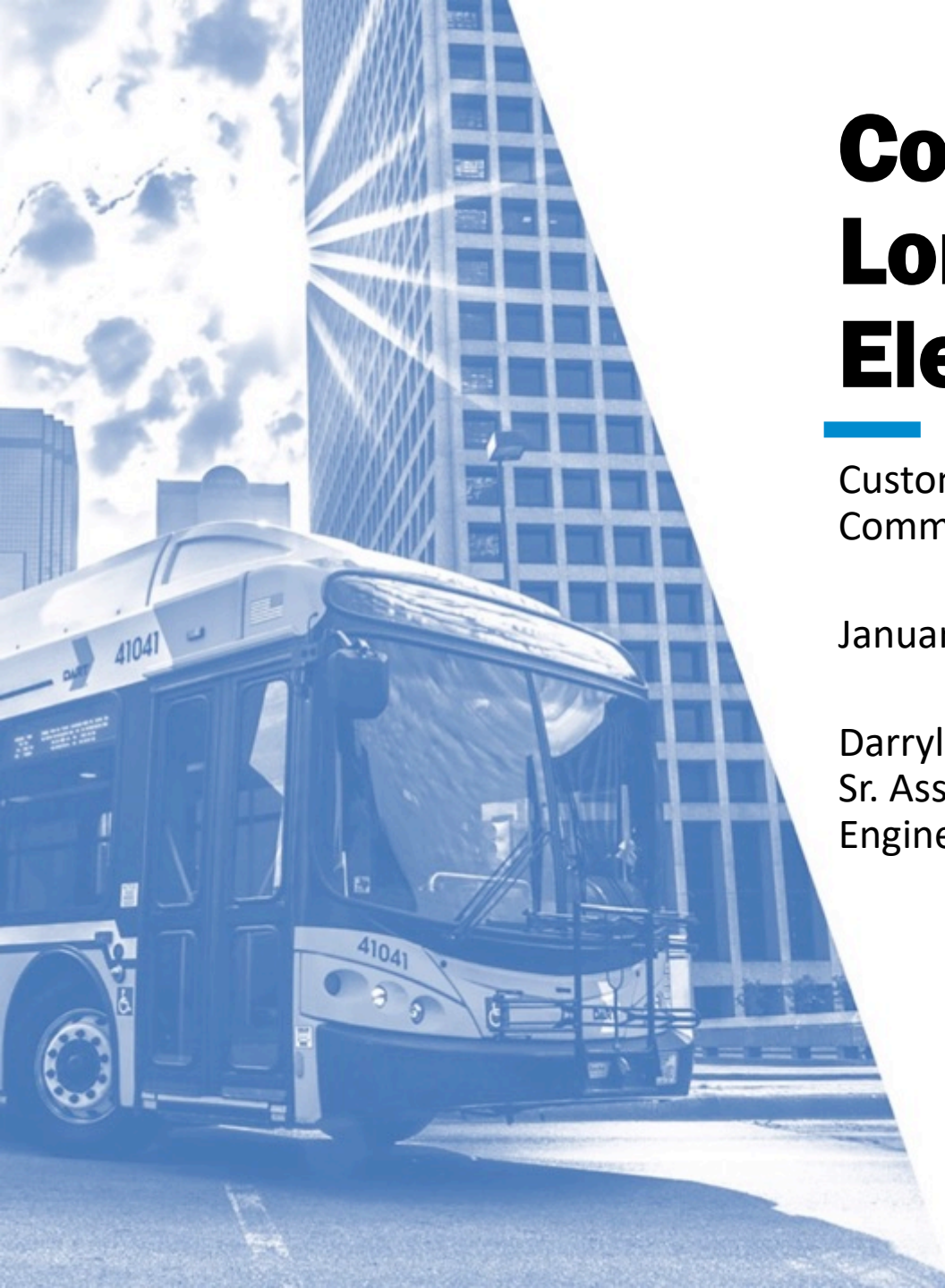


Contract for 40' Long-Range Battery Electric Bus

Customer Service, Safety and Mobility
Committee

January 12, 2021

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Engineering



Today's Action

- Approval of a contract for one 40' Long-Range Battery Electric Bus and support elements to Proterra, Inc., for a total authorized amount not to exceed \$780,000.
- Approval of this contract will help achieve Board Strategic Priority 3: Innovate to enhance mobility options, business processes and funding.



Business Purpose

- In 2018 DART deployed seven (7) 30-mile range Proterra Battery Electric Buses (BEB) it acquired through a 2015 LoNo Grant Award.
- Utilizing the remaining LoNo Grant Funds, DART seeks to acquire and deploy a Long-Range zero-emission Battery Electric Bus.
- Route simulation models of the Proterra 40' Long-Range BEB on DART service routes showed a range of up to 275 miles. This pilot bus will operate on Northwest Bus Division routes.
- Purchase of this BEB will help DART determine the readiness for adaption of Battery Electric Buses on DART service routes by 2025.



**Proterra "ZX5" --
40' Long-Range Battery
Electric Bus**



**Electric Bus Charger
(w/ Dual Dispensers)**

Contract Summary

- This is a sole source procurement with Proterra, Inc., DART's strategic partner on the 2015 LoNo Grant.
- The contract is for an eighteen-month agreement for one bus, including leased batteries cost reduction, and one (1) 125kw depot charging system with installation and supporting parts.
- The purchase of this 40' Long-Range Battery Electric Bus will use Federal funds remaining from the 2015 LoNo Grant and a 15% (\$117,000) DART match.

Contract Justification

1. **Is it Necessary?** **No**, however, this contract provides DART an opportunity to advance the Bus Fleet Electrification assessment strategy to acquire and deploy additional zero-emission Battery Electric Buses on DART service routes.
2. **Does it need to happen now?** **Yes**, DART was requested by the FTA to utilize the remaining 2015 LoNo Grant funds and close-out the grant. The acquisition of one Long-Range Battery Electric Bus will help DART further assess the conversion path to Zero-Emissions Battery Electric Bus technology. The DART Fleet Replacement has plan is programmed for 186 transit buses for replacement by FY2025.
3. **Can it be phased?** **No**, this is a procurement for one (1) Long-Range Battery Electric Bus and one (1) depot charging system and supporting parts, utilizing remaining Federal LoNo funds.
4. **Can we reduce the amount?** **No**, procurement has negotiated the lowest possible price while fully utilizing the remaining Federal funds from the 2015 LoNo Grant.

Recommendation

Approval of a resolution authorizing the President/Executive Director or his designee to award a contract to Proterra, Inc., for one (1) 40' Long-Range Battery Electric Bus and supporting elements, for a total authorized amount not to exceed \$780,000.

Questions?

