

Anchorage prepares to conduct first winter test of an electric bus

It could pave the way for electric garbage trucks, other battery-powered municipal equipment.

Davin Kally

Anchorage plans to to its first electric bus starti in mid-December, a trial how the technology perfor in cold temperatures and sign of efforts by Mayor Eth Berkowitz to steer the city ward alternative and rene

City officials aren't e

in Anchorage's subarctic climate. At first, the city plans to lease the bus, a far cheaper and less risky option from buying one, Berkowitz said in a

me interview Tueso "We're a long wa king a decision ab

asing any of these vehicles ht now," Berkowitz said ut we want to see if this rks."

The administration proposed a \$77,000, four-milease with a California-bacompany for a 40-foot elec-

See ELECTRIC BUS, A19

FROM PAGE A1 **ELECTRIC BUS**

submitted to the Anchorage Assembly ahead of next Tuesday's meeting. The lease, if approved by the Assembly, would include charging equipment Each charge would take close to eight hours, said Abul Hassan, Anchorage's transit direc-

If successful, the electric bus test could pave the way for future investment in electric garbage trucks and other battery-powered municipal equipment, officials say. The city-owned trash utility, Solid Waste Services, is co-sponsoring the test run for the electric bus in hopes of learning more.

Hassan, the transit director, said Anchorage is years behind other cities in switching to battery-powered transit. Seattle recently invested in a fleet of electric buses as well as cold-weather cities like Boston Hassan said

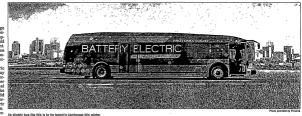
This week in Juneau, local elected officials contemplated electric buses before deciding to stick to diesel in the short erm. KTOO reported There are open questions

about how well the evolving technology would work in Alaska, Battery-powered buses still can't travel as far as natural-gas powered buses. which can go 400 miles on a single tank. The electric bus set to be tried out in Anchorage can go more than 200 to documents submitted to the

Hassan said officials want to know whether Anchorage's harsh winter temperatures will affect the battery life. That could pose serious operational problems for the city's buses. which run on fixed routes an average of 18 hours a day.

But Hassan, Berkowitz and other officials say the sayings in maintenance and fuel impact, could be significant The shift would also fit into a broader strategy by Berkowitz and his deputies to cut energy and fuel costs, which has so far included upgrading street-

lights to more energy-efficient said LED lights



Backed by federal money, however, an investment in 20

electric buses could be recouped in about 8 1/2 years, the report said.

the recommendations in a May 2016 report called "Anand its Opportunities." The report, led by Anchorage-based energy consultant DeerStone of researching the technol-Consulting, examined how Anchorage and its utilities could save money and energy and learn the maintenance roumiles on a charge, according "mitigate-climate-change-im- tines of an electric bus, Haspacts." The Berkowitz admin- san said

istration initiated the report in response to low oil prices and representative for Teamsters a state economic crisis, ac- Local 959, the union that repcording to the report's execu- resents Anchorage bus drivtive summary

The report covered largescale initiatives like a power pooling agreement among But in general, electric and utilities and possible energy other alternative fuels are efficiencies in Anchorage an improvement over diesel, school buildings.

In a section on electric costs, and the environmental, buses, the report's authors, has added natural-gas buses noted an ungrade would take a to its fleet "major commitment," including the installation of charging stations. Without federal transit funding, the shift could

Electric buses were among however, an investment in bage truck would be using.

report said At the moment, an electric bus costs about \$1 million, cago, has tried out an electric roughly double the cost of a garbage truck for the past few

diesel bus, said Hassan, the years, Spafford said. He said transit director, though that's largely paid for by federal sons learned there funding. About 54 buses run on Anchorage's routes daily, all of them diesel-powered. Hassan called the plan to chorage's Energy Landscape lease the bus, made by the diesel fuel in garbage trucks . California-based company more than a year ago, and it's

Proterra, a "poor man's way" ogy. But it's also a chance for the city's diesel mechanics to

Tim Morgan, the business

ers, said his main question would be whether the buses would work in a cold climate. Morgan said. He noted that the Anchorage School District

Mark Spafford, the general manager for Solid Waste Services, the city-owned trash utility, also plans to follow the be "uneconomic," the report electric bus test closely. The drive train in the electric bus Backed by federal money, is very similar to what a gar-

20 electric buses could be re- and there's a similar amount couped in about 8 1/2 years, the of starting and stopping, Spafford said

At least one-large city, Chi-Anchorage could build on les-It wouldn't be the first foray into alternative fuels for

the trash utility. Solid Waste Services began using bioresulted in better gas mileage, Spafford said.

Contact Devin Kelly at diselly@adn.com



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