



MEMORANDUM

P.O. Box 4100 ♦ FRISCO, COLORADO 80443

TO: MAYOR AND TOWN COUNCIL
FROM: HILARY SUEOKA, ENVIRONMENTAL PROGRAMS COORDINATOR
RE: EV CHARGING DISCUSSION
DATE: OCTOBER 11, 2022

Summary and Background: Over the past few years, Frisco has installed 3 dual-port charging stations, accumulating over 2,300 total sessions in past year. During this time, charging stations used total of 27.477MWh of energy to fuel EVs. While all three stations are currently set up as free to use, the intent was to transition these stations to fee-based usage after a short time. The free stations are initially valuable to get EV drivers to find and use them. Now that all stations have been operational for at least one year, they should be transitioned to charge a fee for usage.

Analysis: Town typically pays \$.00693 to \$.06935 / kWh depending on time of day and season. \$.25/kWh is the suggested fee for charging. This fee was recommended by a rep from National Car Charging based on typical costs to similar municipalities, taking the location of our EV charging stations into account. This \$.25 fee will cover the utility bills the Town currently pays, and part of the network subscription fees. Subscription fees for each port initially cost around \$1300 (\$2600/dual-port charging station). Any remaining fees can be used toward maintenance not included in the warranty such as broken handles or bent pins, or staff time to respond to customer inquiries and coordinate with ChargePoint. Additionally, an overstay charge could be added to keep users from parking for extended time at the charging stations, which prevents other users from charging their vehicles. This type of fee can either be added after a designated amount of time (many Breckenridge stations charge an hourly fee after 4 hours), or when a vehicle has completed charging. While the average charging session length is about 2.5 hours, over the past 30 days, 7 charging sessions have lasted 10 hours or more.

Financial Impact: Fees collected from EV charging stations could help to offset costs associated with EV charging stations including utility bills and network subscription fees. If all users over the past month had paid .25/kWh, Town would have received \$830 towards these costs.

Alignment with Strategic Plan: Maintaining public EV charging stations aligns with Sustainable Environment Goals in the Town Strategic Plan and Community Plan.

Environmental Sustainability: Fees associated with EV charging will help the long-term sustainability of the Town's EV charging stations. More generally, maintaining public EV charging

throughout the Town will support transportation emissions reduction goals from the Climate Action Plan, as well as support charging station goal found in the EV Readiness Plan.

Staff Recommendation: Staff recommends a .25/kWh fee for charging and requests input on a maximum charge/parking time.

Approved By:

Tom Fisher, Town Manager

Leslie Edwards, Finance Director

Don Reimer, Community Development Director