



Legislation Details (With Text)

File #: 2021-0030 **Version:** 0 **Name:** Main Street Triangle Parking Structure, Electric Vehicle Charging Stations
Type: MOTION **Status:** PASSED
File created: 1/8/2021 **In control:** Board of Trustees
On agenda: 1/18/2021 **Final action:** 1/18/2021
Title: Main Street Triangle Parking Structure, Electric Vehicle Charging Stations

Code sections:

Attachments: 1. Assure, 2. ChargePoint Renewal Quote - Total, 3. Commercial Plan

Date	Ver.	Action By	Action	Result
1/18/2021	0	Board of Trustees		
1/8/2021	0	Engineering Department	INTRODUCED TO BOARD	

Title/Name/Summary

Main Street Triangle Parking Structure, Electric Vehicle Charging Stations

History

The Main Street Triangle Parking Structure has two Electric Vehicle (EV) charging stations. These EV stations are served from a single electrical unit provided by ChargePoint, Inc. of Campbell, California. The stations were installed with the construction of the parking structure about five-years ago.

Since the activation of the EV stations, the Village has been providing the charging service at no cost to its users. Staff estimated the total cost of ownership over the last five years to be approximately \$15,000 (or \$3,000 per year, \$250/month). This cost estimate includes the purchase and installation of EV stations, ChargePoint's service and maintenance fees, and electric costs paid to ComEd. The cost estimate does not include capital cost for EV station replacement.

The service and maintenance contract with ChargePoint expired last year and they are now requesting the Village to extend their contract. The Village has received a quote (attached) from ChargePoint in the amount of \$6,187 which will provide service and maintenance for five years for both EV stations. This includes \$3,692 for ChargePoint Cloud Plan and \$2,495 in maintenance and management of stations. Staff is recommending that the Village extend ChargePoint's service and maintenance contract by purchasing the five-year plan.

Staff is also recommending that the Village should start collecting fees from users of the EV stations to offset capital and maintenance costs. Based on a survey of the EV station fees in the 15 mile radius of Orland Park, staff concluded that many EV stations charge approximately \$1 per hour of charging time. Therefore, staff is recommending that the Village collect \$1 per hour to match the EV station fees of surrounding communities. The charging fees will be collected by ChargePoint and the Village will be reimbursed on a quarterly basis, or when the accrued fees add up to \$250.

ChargePoint collects a 10% fee as a service charge. Staff recommends the effective date for fee collection be March 1, 2021. This will allow the Village to provide at least 30-day notice to EV station users.

Staff has estimated that the EV stations may generate approximately \$2,200 per year in revenue.

Such revenue will be used to offset the annual cost of operation.

Financial Impact

The five year cost of ChargePoint's maintenance and service fee is \$6,187. The proposal from ChargePoint is attached. This cost will be covered by TIF funds from the Downtown Main Street Triangle.

Recommended Action/Motion

I move to approve the proposal of ChargePoint, Inc., of Campbell, California for the service and maintenance of EV stations located in the Main Street Triangle Parking Structure in the amount not to exceed \$6,187;

And,

I move to approve that the Village collect electric vehicle charging fees at \$1 per hour from the users of the EV stations located in the Main Street Triangle Parking Structure.