



Agenda Item 9A

Approvals:

City Manager [Signature]

Dept. Head [Signature]

Attorney [Signature]

Finance [Signature]

AGENDA REPORT

SAN CLEMENTE CITY COUNCIL MEETING

Meeting Date: January 15, 2019

Department: Public Works
Prepared By: Tom Bonigut, Public Works Director

Subject: *AGREEMENTS WITH VOLTAIC AND CHARGEPOINT INC. FOR ELECTRIC VEHICLE CHARGING STATIONS PURCHASE, INSTALLATION, MAINTENANCE AND CHARGING SESSION SUBSCRIPTION SERVICES.*

Fiscal Impact: Yes. If approved, the recommended actions will accept grant and rebate revenue up to \$225,000 to the Fleet Maintenance Fund and authorize a supplemental appropriation of \$192,340 in the Fleet Maintenance Reserve Fund as further discussed in this report.

Summary: A request for City Council approval of two agreements to provide for the purchase, installation and maintenance of four electric vehicle charging stations at City Hall, and to activate these stations on the ChargePoint, Inc. charging network.

Background: At its July 24, 2018 meeting, the City Council adopted a resolution authorizing submittal of a grant application to the Mobile Source Pollution Reduction Committee (MSRC) for funds to support installation of four electric vehicle charging stations at City Hall and acquisition of several all-electric fleet vehicles. The MSRC consists of representatives from regional air quality, planning and transportation agencies, and develops funding programs to assist in meeting regional air quality goals established by the South Coast Air Quality Management District (SCAQMD). The City's proposed project consists of acquiring two light-duty all-electric maintenance utility vehicles for beach and trail maintenance, and two small four-door all-electric sedan for use as City staff pool vehicles. The project also includes installation of four electric vehicle charging stations at City Hall, where two chargers will be ultra-fast DC chargers and the other two will be "Level 2" fast chargers (refer to the attached visual simulation). Installation of the charging stations at City Hall will allow charging of the electric City vehicles when needed and provide unrestricted access to the public which reduces the City's local cost sharing requirement for the project. Implementation of this project supports General Plan Policies M-2.01 (Electric Vehicles) and NR-6.10 (Alternative Fuel Stations).

In October 2018 City staff was notified that the City's grant application was approved and that the City was awarded up to \$85,000 to implement the electric vehicle charging stations and acquire all-electric vehicles. City staff also received confirmation that up to \$140,000 in additional California Energy Commission (CEC) rebate funds had been reserved for the proposed acquisition of the two ultra-fast DC vehicle chargers. Note that the MSRC grant and CEC rebate amounts depend on the final cost of the new vehicles and chargers therefore the actual grant and rebate amounts may be slightly

less than the authorized maximum amounts. With approval of the grant and reserved rebate funds, approval of agreements are needed with Voltaic (a division of Video Voice Data Communication) and ChargePoint Inc. to implement the electric vehicle charging stations.

Discussion: The grand total project cost, including cost to acquire the new vehicles and install and activate the electric vehicle charging stations, is estimated at about \$279,400. As shown in the following table, after applying the CEC rebates and MSRC grant funds the City's net cost is about 26% of the total, or \$73,100. Per the July 24, 2018 report to Council, the City matching funds will come from the Fleet Fund which has sufficient available funds for this cost.

| Project / Item | Estimated Cost | CEC Rebate | MSRC Grant | City Match (Fleet Fund) |
|--|------------------|------------------|-----------------|-------------------------|
| Two light duty all-electric maintenance utility vehicles | \$42,000 | | \$20,000 | \$22,000 |
| Two all-electric small passenger sedans | \$60,000 | | \$20,000 | \$40,000 |
| Four charging stations | \$177,340 | \$133,000 | \$33,300 | \$11,040 |
| TOTAL | \$279,340 | \$133,000 | \$73,300 | \$73,040 |

The acquisition of new fleet vehicles will be handled via the bid and procurement process typically used for such equipment purchases. The electric vehicle charging stations will use ChargePoint, Inc. as direct provider of networking services, therefore the City must enter into a Master Services and Subscription Agreement (MSSA) with ChargePoint, Inc. to utilize their cloud-based networking system. ChargePoint, Inc. operates the largest electric vehicle charging network and provides a networked approach to electric vehicle electricity purchases, where charging locations and payments are made available on a real-time basis on the user's smartphone or vehicle navigation system. Additionally, all charging station usage data is available to the City in a cloud environment and include a wide variety of reports to help provide an ongoing review of each station, including revenues received and actual electrical costs (staff will soon submit a separate report for Council approval of the proposed electricity rates to be charges at the new stations). The City Attorney has reviewed and concurs with the ChargePoint MSSA, which sets the terms for five years of ChargePoint services (including maintenance and warranty services). There is no cost associated with this agreement, as all costs for purchase, installation and maintenance of the stations will be provided via a separate agreement with Voltaic, an authorized distributor of ChargePoint products and services. Consistent with City Policy No. 201-2-1, this purchase and installation of the electric vehicle charging stations will be via a cooperative purchase under the Sourcewell (formerly the National Joint Powers Alliance) purchasing cooperative. The Voltaic agreement will utilize a City standard agreement developed by the City Attorney and will be in the amount of \$177,340. Staff also recommends authorizing a \$15,000 contingency for this agreement in case unexpected issues arise during the installation process.

The South Coast Air Quality Management District Board has approved the City's MSRC grant, but not yet provided the actual grant funding agreement. At its July 24, 2018 meeting, the City Council authorized the City Manager to sign all documents

required to participate in the MSRC grant program, therefore the grant funding agreement will be executed by the City Manager as soon as it is provided to the City.

Recommended

Action: STAFF RECOMMENDS THAT the City Council:

1. Approve and authorize the City Manager to execute a five-year agreement with Voltaic (a division of Video Voice and Data Communications) in the amount of \$177,340 to purchase and install ChargePoint Electric Vehicle charging infrastructure at City Hall;
2. Approve and authorize the City Manager to execute a five-year Master Services and Subscription Agreement with ChargePoint, Inc. for activation and use of ChargePoint network services;
3. Authorize a project contingency in the amount of \$15,000 to cover any unforeseen conditions and costs related to installation of the Electric Vehicle infrastructure;
4. Accept grant revenue up to \$85,000 from the Mobile Source Pollution Reduction Committee to the Fleet Maintenance Fund Account No. 065-000-33790-000-00000;
5. Accept rebate revenue up to \$140,000 from the California Energy Commission to the Fleet Maintenance Fund Account No. 065-000-33790-000-00000; and
6. Approve a supplemental appropriation in the amount of \$192,340 from the Fleet Replacement Reserve Fund undesignated fund balance to Account No. 065-824-45300-000-00000.

Attachment: City Hall EV Charging Station Visual Simulation.

Notification: None.

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4

SAN CLEMENTE CITY PERMITTING CENTER EVCS: WORK LOCATION 2 (FOR REFERENCE ONLY)



NOTE: GRAPHICS ON IMAGE IS FOR REFERENCE ONLY AND MAY NOT REFLECT FINAL WORK.

3

SAN CLEMENTE CITY PERMITTING CENTER EVCS: WORK LOCATION 1 (FOR REFERENCE ONLY)

PROJECT NAME:

SAN CLEMENTE CITY PERMITTING CENTER EVCS

DATE:

08/27/18

LOCATION:

910 CALLE NEGOCIO #100
SAN CLEMENTE, CALIFORNIA 92673



VIDEO VOICE DATA COMMUNICATIONS
VOLTAIC DIVISION

12681 PALA DRIVE, GARDEN GROVE, CA 92841