



AGENDA REPORT

SAN CLEMENTE CITY COUNCIL MEETING
Meeting Date: September 17, 2019

Agenda Item 9C

Approvals:

City Manager [Signature]

Dept. Head [Signature]

Attorney [Signature]

Finance [Signature]

Department: Public Works
Prepared By: Tom Bonigut, Public Works Director/City Engineer

Subject: *ADOPT FEES FOR CITY HALL ELECTRIC VEHICLE (EV) CHARGING STATIONS.*

Fiscal Impact: Yes. The proposed EV charging station rates will generate revenue to the City, however the proposed rates have been set to only cover the City's actual costs (e.g. electricity, charging network fees, etc.), therefore no new revenue is expected with this action.

Summary: Recommendation to adopt fees for use of the new EV charging stations located at City Hall (910 Calle Negocio).

Background: At its July 24, 2018 meeting, the City Council adopted Resolution No. 18-38 (see Attachment 1) authorizing submittal of a grant application to the Mobile Source Pollution Reduction Committee (MSRC) for funds to support installation of four EV 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 project includes installation of four EV charging stations at City Hall, where two chargers will be "Level 3" ultra-fast DC chargers and the other two will be "Level 2" fast chargers. 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. 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 chargers, and therefore the actual grant and rebate amounts may be slightly less than the authorized maximum amounts.

On January 15, 2019, the City Council approved and authorized 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 EV charging infrastructure at City Hall (910 Calle Negocio). At that same meeting, the City

Council approved and authorized the City Manager to execute a five-year Master Services and Subscription Agreement with ChargePoint, Inc. for activation and use of ChargePoint network services (refer to staff report provided in Attachment 2). Installation of the new EV charging stations is nearly complete, therefore staff seeks City Council approval of rates to be charged for use of these facilities.

Discussion: As previously discussed with the City Council, staff recommends setting the EV charging fee at the minimum amount needed to cover the City's cost. Since grants have provided almost all of the cost to install the EV charging units and provide for the first five years of vendor provided maintenance and network subscription costs, the established rate needs only to cover the cost of electricity, the Chargepoint network transaction processing cost (10 percent) and the City grant funding match (about \$11,000). The current electricity cost for the City Hall service meter which supplies the EV chargers is \$0.14 per kilowatt hour (kWh). Adding five percent to account for electricity cost increase over the next year and rounding up results in a rate of \$0.15/kWh. Adding the 10% transaction fee and rounding up results in a rate of \$0.17/kWh. Finally, an additional increment of \$0.03/kWh is recommended to recover to City's match contribution, resulting in an initial fee rate of \$0.20/kWh which is competitive with rates charged at other nearby EV charging stations.

The Level 2 chargers can provide about 25 miles of range per hour, while the DC Fast chargers can provide about 120 miles of range per 30 minutes of charge and for some vehicles can provide up to an 80% charge in this time (actual ranges and charge times will vary by vehicle). To encourage turnover and make the charging stations available to more users, staff also recommends implementing an additional fee of \$5 per hour after three hours of connection to the Level 2 charger and \$5 per hour after one hour of connection to the DC Fast charger. In summary, staff recommends the following pricing structure for the charging stations installed throughout the City:

For Level 2 chargers

Energy cost: \$0.20 per kWh

Parking fee: First 3 hours free, then \$5.00 per hour

For ultra-fast Level 3 DC chargers

Energy cost: \$0.20 per kWh

Parking fee: First hour free, then \$5.00 per hour

The proposed fees would be set by resolution which is provided in Attachment 3. Staff will review actual costs and when appropriate submit proposed revised rates for City Council approval (e.g. to account for increases in electricity costs).

Recommended

Action: STAFF RECOMMENDS THAT the City Council approve and adopt Resolution No. _____ titled "A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SAN CLEMENTE, CALIFORNIA, ESTABLISHING A FEE SCHEDULE FOR ELECTRIC VEHICLE CHARGING STATIONS."

- Attachments:**
1. Resolution No. 18-38
 2. January 15, 2019 staff report
 3. Proposed Resolution

Notification: None.

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RESOLUTION NO. 18-38

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF
SAN CLEMENTE, CALIFORNIA, APPROVING
PARTICIPATION IN THE STATE OF CALIFORNIA MOBILE
SOURCE AIR POLLUTION REDUCTION REVIEW
COMMITTEE (MSRC) LOCAL GOVERNMENT
PARTNERSHIP PROGRAM AND RECEIPT OF UP TO
\$85,000 IN MSRC GRANT FUNDS

WHEREAS, the Mobile Source Air Pollution Reduction Review Committee (MSRC) has created a new Local Government Partnership Program to emphasize an accelerated transition to zero and near-zero emissions vehicles along with essential supporting infrastructure for jurisdictions within the South Coast Air Quality Management District (SCAQMD); and

WHEREAS, the City of San Clemente is an eligible jurisdiction under the MSRC's Local Government Partnership Program and has been allocated a reserved funding amount of up to \$85,500 in discretionary funds for clean air projects as identified in the South Coast AQMD District's 2016 Air Quality Management Plan,

NOW, THEREFORE, The City Council of the City of San Clemente does hereby resolve as follows:

Section 1. Acknowledges receipt of the MSRC Local Government Partnership Program PowerPoint Presentation, as required to participate in the program.

Section 2. Authorizes staff to submit an application for the qualifying clean air projects as presented at the July 24, 2018 City Council meeting, and designates the City Manager as the authorized representative for the City.


Section 3. Authorizes the use of Fleet Reserve Funds for the approved qualifying clean air projects funding match as required to receive up to \$85,000 MSRC Program Grant Funds.

Section 4. Authorizes the City Manager to sign and submit all required documents, including the program application, to the South Coast Air Quality Management District ("SCAQMD") to participate in the MSRC's Local Government Partnership Program.


Section 5. The City Clerk shall certify to the passage and adoption of this resolution and enter it into the book of original resolutions.

PASSED AND ADOPTED this 24th day of July, 2018.

ATTEST:



City Clerk of the City of
San Clemente, California



Mayor of the City of San
Clemente, California

STATE OF CALIFORNIA)
COUNTY OF ORANGE) §
CITY OF SAN CLEMENTE)

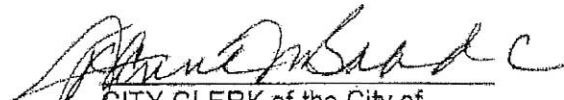
I, JOANNE BAADE, City Clerk of the City of San Clemente, California, do hereby certify that Resolution No. 18-38 was adopted at a regular meeting of the City Council of the City of San Clemente held on the 24th day of July, 2018, by the following vote:

AYES: DONCHAK, HAMM, WARD, MAYOR BROWN

NOES: NONE

ABSENT: SWARTZ

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the City of San Clemente, California, this 1ST day of AUGUST, 2018.



CITY CLERK of the City of
San Clemente, California

Approved as to form:

/s/ Scott Smith

City Attorney



AGENDA REPORT

SAN CLEMENTE CITY COUNCIL MEETING
Meeting Date: January 15, 2019

Agenda Item 9A

Approvals:

City Manager [Signature]

Dept. Head [Signature]

Attorney [Signature]

Finance [Signature]

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 Sourcwell (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

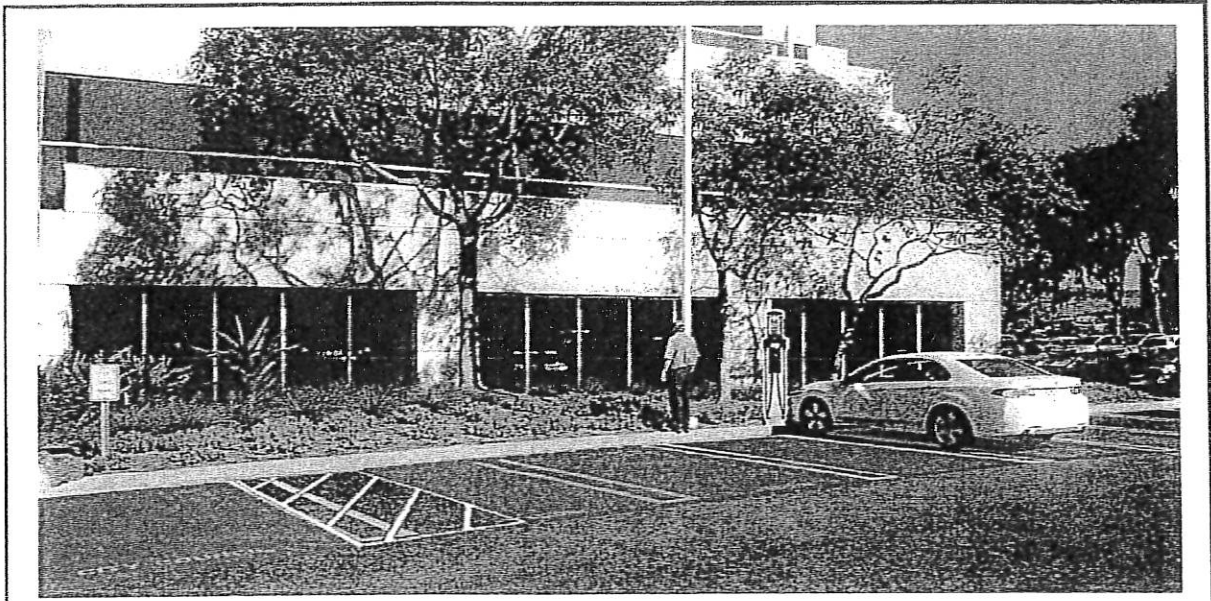
Action: STAFF RECOMMENDS THAT the City Council:

1. Approve and authorize the City Manager to execute a five-year agreement with Voltac (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.

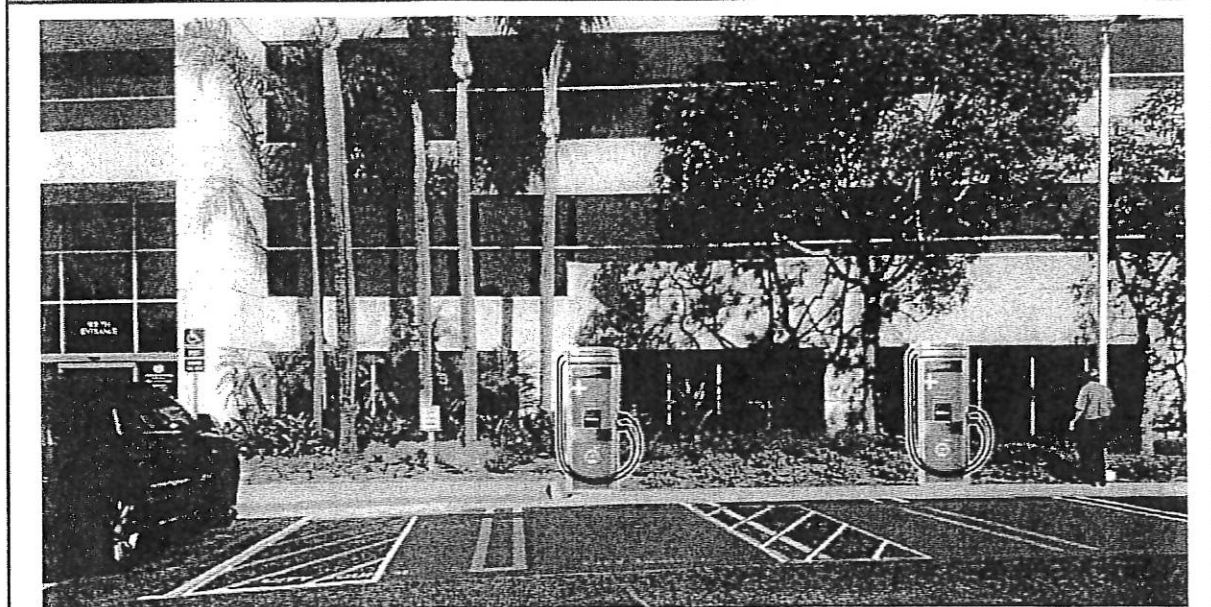
Attachment: City Hall EV Charging Station Visual Simulation.

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 1253 PALA OAK DRIVE, GARDEN GROVE, CA 92641

1-15-19 / 9A-4

9-17-19 / 9C-9

RESOLUTION NO.

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF
SAN CLEMENTE, CALIFORNIA, ESTABLISHING A FEE
SCHEDULE FOR ELECTRIC VEHICLE CHARGING
STATIONS

WHEREAS, the City received Mobile Source Pollution Reduction Committee (MSRC) grant funds and California Energy Commission (CEC) rebate funds for the purchase and installation of four (4) electric vehicle (EV) charging stations for use by public and City vehicles; and

WHEREAS, the City approved an agreement with Chargepoint Inc. as the provider of charging network, maintenance and subscription services for the new EV charging stations; and

WHEREAS, the City may set the fee rate charged to persons who wish to use the EV charging stations.

NOW, THEREFORE, The City Council of the City of San Clemente does hereby resolve as follows:

Section 1. The City Council hereby establishes the following pricing structure for the EV charging stations installed at City Hall:

For Level 2 chargers

Energy cost: \$0.20 per kWh

Parking fee: First 3 hours free, then \$5.00 per hour

For ultra-fast Level 3 DC chargers

Energy cost: \$0.20 per kWh

Parking fee: First hour free, then \$5.00 per hour

Section 2. This Resolution shall take effect immediately upon its adoption by the City Council, and the City Clerk shall certify to the passage and adoption of this resolution and enter it into the book of original resolutions.

PASSED AND ADOPTED this _____ day of September, 2019.

ATTEST:

City Clerk of the City of
San Clemente, California

Mayor of the City of San
Clemente, California

STATE OF CALIFORNIA)
 COUNTY OF ORANGE) §
 CITY OF SAN CLEMENTE)

I, JOANNE BAADE, City Clerk of the City of San Clemente, California, do hereby certify that Resolution No. _____ was adopted at a regular meeting of the City Council of the City of San Clemente held on the _____ day of September, 2019, by the following vote:

AYES:

NOES:

ABSENT:

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the City of San Clemente, California, this _____ day of September, 2019.

 CITY CLERK of the City of
 San Clemente, California

Approved as to form:

 City Attorney