



File #: 2019-267, **Version:** 1

Report to Mayor and City Council

Tuesday, March 19, 2019

Discussion

SUBJECT:

**CONSIDERATION OF A POLICY ON THE INSTALLATION OF ELECTRICAL VEHICLE
INFRASTRUCTURE BY HOLDERS OF CALIFORNIA C-10 ELECTRICAL
CONTRACTORS LICENSES**

I. SUMMARY

On March 5, 2019, this matter was requested to be placed on tonight's agenda.

Councilmember Dear has requested the Council consider developing a Council policy, similar to a policy adopted by the City of Long Beach, where future work done to develop the city's electric vehicle (EV) infrastructure would be performed by workers who hold a valid California C-10 electrical contractors license. This requirement would apply to light, medium and/or heavy duty EV charging infrastructure.

II. RECOMMENDATION

CONSIDER and PROVIDE direction.

III. ALTERNATIVES

TAKE any actions Council deems appropriate.

IV. BACKGROUND

Motor vehicles are one of the largest sources of greenhouse gasses and hence it is clear that electric vehicle (EV) infrastructure is an importance part of Carson's future in reducing emissions. EV infrastructure is essential to ensure the City can make renewable energy options available to residents, commuters and businesses. In addition, safe installation is

equally as important as providing the infrastructure. Best practices and the correct safety training measures have to be followed by those contractors installing electric vehicle infrastructure.

Just like today's traditional quick 'in and out' gas stations were built having to meet very certain safety, environmental and state requirements, EV charging stations also require safeguards upon installation. Councilmember Dear is proposing that the City Council adopt a policy that would require contractors working in Carson on City EV infrastructure hold a valid Electric Vehicle Infrastructure Training Program (EVITP) certification, and their electricians be required to hold EVITP certification.

EVITP is a national non-profit training and certification program featured in U.S. Department of Energy Clean Cities EV Infrastructure Guides and includes a curriculum that is made available through utility training centers, community colleges, and electrical training centers. It is comprised of industry stakeholders representing automakers, charging station manufacturers, educational institutions, utility companies, electrical industry professionals and key EV industry stakeholders.

In addition, the California Public Utilities Commission (CPUC) requires that any EV charging infrastructure that is financed by SCE, PG&E, and SDG&E through a grant be installed by utility staff, or by contractor's signatory to the International Brotherhood of Electrical Workers (IBEW) who hold valid California C-10 electrical contractor's licenses.

Further, the City Council may want to discuss whether it wishes to consider incorporating this policy into its Municipal Code, thereby requiring all applicants (public or private) applying for permits from the City for such infrastructure to provide the C-10 electrical contractor's license, much like State law requires all construction work to be provided by licensed contractors. This would be a more ambitious policy change than adopting a policy for our own projects.

Carson recognizes the importance of supporting the innovation of electric vehicles in the industry. As electric vehicle infrastructure continues to evolve, work should be done safely and in-line with the latest regulation by those most qualified individuals to perform the work.

V. FISCAL IMPACT

None at this time.

VI. EXHIBITS

1. City of Long Beach Memorandum. (pgs. 3-4)

Prepared by: City Manager's Office



City of Long Beach
Working Together to Serve

Date: February 19, 2019

To: Honorable Mayor and Members of the City Council

From: Councilwoman Suzie Price, Third District *SP*
Councilwoman Lena Gonzalez, First District *LG*
Councilmember Al Austin, Eighth District *AA*

Subject: Certification to Perform Work on Electrical Vehicle Infrastructure

RECOMMENDATION

The City Council is requesting that the City Manager develop a policy where work done to develop our City EV infrastructure is performed by contractor's signatory to the International Brotherhood of Electrical Workers who hold a valid California C-10 electrical contractors license. This requirement should apply to light, medium, and/or heavy duty EV charging infrastructure.

BACKGROUND

Long Beach has made and continues to make significant progress toward reducing our dependence on fossil fuels. Motor vehicles are one of the largest sources of greenhouse gasses, so electric vehicle (EV) infrastructure is a big part of the City's efforts to improve electric charging availability and reduce emissions. It is essential to ensure we have strong infrastructure in place to further renewable options and their availability for residents and businesses.

Additionally, because safety is also an important issue for Long Beach it is important to ensure that contractors installing electric vehicle infrastructure do so with the correct safety training and practices. Therefore, contractors working in Long Beach on City EV infrastructure should be required to be Electric Vehicle Infrastructure Training Program (EVITP) approved, and their electricians should be required to hold EVITP certification. EVITP is a national non-profit training and certification program featured in U.S. Department of Energy Clean Cities EV Infrastructure Guides and includes a curriculum that is made available through utility training centers, community colleges, and electrical union training centers.

Further, EVITP is required by two California state agencies. As a result, the Port of Long Beach has been awarded a vehicle electrification grant by the California Energy Commission (CEC) that requires EVITP certification. In addition, the California Public Utilities Commission (CPUC) requires that EV



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charging infrastructure financed by SCE, PG&E, and SDG&E be installed by utility staff, or by contractor's signatory to the International Brotherhood of Electrical Workers (IBEW) who hold valid California C-10 electrical contractor's licenses.

As electric vehicle infrastructure continues to be a commitment we are making to better the City, we need to make certain the work is being done safely and effectively by those most qualified and prepared to perform this work.

FISCAL IMPACT

There is no fiscal impact to this proposed action.