

Fiscal Year 2020-21 Capital Construction Request

Personnel and Administration Statewide EV Infrastructure Charging

PROGRAM PLAN STATUS		2021-030
Approved Program Plan?	<input type="checkbox"/> No	Date Approved: <input style="width: 150px;" type="text"/>

PRIORITY NUMBERS

Prioritized By	Priority
DeptInst	3 of 3
OSP	11 of 47

PRIOR APPROPRIATION AND REQUEST INFORMATION

<u>Fund Source</u>	<u>Prior Approp.</u>	<u>FY 2020-21</u>	<u>FY 2021-22</u>	<u>Future Requests</u>	<u>Total Cost</u>
CCF	\$0	\$1,997,792	\$0	\$0	\$1,997,792
Total	\$0	\$1,997,792	\$0	\$0	\$1,997,792

ITEMIZED COST INFORMATION

<u>Cost Item</u>	<u>Prior Approp.</u>	<u>FY 2020-21</u>	<u>FY 2021-22</u>	<u>Future Requests</u>	<u>Total Cost</u>
Land Acquisition	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$276,500	\$0	\$0	\$276,500
Construction	\$0	\$1,242,792	\$0	\$0	\$1,242,792
Equipment	\$0	\$280,000	\$0	\$0	\$280,000
Miscellaneous	\$0	\$150,000	\$0	\$0	\$150,000
Contingency	\$0	\$48,500	\$0	\$0	\$48,500
Software Acquisition	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$1,997,792	\$0	\$0	\$1,997,792

PROJECT STATUS

This is a new, never-before-requested project.

PROJECT DESCRIPTION / SCOPE OF WORK

The Department of Personnel and Administration is requesting state funds to install 40 Level II dual-port electric vehicle charging stations at state-owned locations throughout Colorado. The project will increase the capacity for charging state-owned electric vehicles, enabling the addition of more electric vehicles to the state fleet, in alignment with Executive Order B 2019-002 and the Colorado Energy Office's Colorado Electric Vehicle Plan.

The dual-port charging stations can charge two vehicles concurrently, with a full charging time of eight hours. The department anticipates two charging periods each day, for a total of 160 daily charging events. The department has identified seven initial locations for 28 charging stations based on electric vehicle placement:

- 4 at Colorado Mental Health Institute at Fort Logan;
- 4 at Camp George West;
- 4 at 700 Kipling, Denver;
- 8 at Colorado Mental Health Institute at Pueblo;

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- 4 at 222 South 6th, Grand Junction;
- 2 at 142 Lawrence St., Central City; and
- 2 at the Colorado School for the Deaf and the Blind, Colorado Springs.

The request includes funding for a further 12 charging stations to be sited at additional locations.

Cost assumption. The costs for the initial seven locations have been estimated by an independent consultant. Costs for the remaining charging stations are based on the average of those recommended by the consultant. The project is exempt from the art in public places and high performance certification requirements.

PROJECT JUSTIFICATION

The department expects to see cost savings on fuel by transitioning the state fleet from combustion engine vehicles to electric vehicles, as well as local air quality improvements due to reduced tailpipe emissions.

PROGRAM INFORMATION

There are about 700 EV charging stations in Colorado, including both public and private stations. There are 32 EV charging stations at 16 state facilities. The state fleet consists of 6,300 vehicles; about 600 are replaced annually and 60 are electric vehicles.

PROJECT SCHEDULE

	Start Date	Completion Date
Design	Upon Appropriation	October 2020
Construction	November 2020	June 2023
Equipment		
Occupancy		

SOURCE OF CASH FUNDS

This project is not funded from cash sources.

OPERATING BUDGET

The department expects a reduction in operating expenses related to the state fleet operations, with cost savings on fuel offsetting annual subscription fees for the charging stations.

STAFF QUESTIONS AND ISSUES

None.