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September 9, 2022

Honorable Mitch O'Farrell
Chair, Energy, Climate Change, Environmental Justice and River Committee
City of Los Angeles
c/o City Clerk
Room 395 City Hall

Attention: Eric Villanueva, Legislative Assistant

RE: Department of Recreation and Parks Response to CF NO. 21-0890

At the direction of the Energy, Climate Change, Environmental Justice and River Committee, pursuant to Council File NO. 21-0890, transmitted for your consideration is the attached response presentation from General Services Department. Should you have any questions, please contact Rob Simanovich at rob.simanovich@lacity.org.

Sincerely,

Matthew Rudnick
Executive Officer



Department of Recreation and Parks

Fleet Electrification



60" Riding Electric Mower



Fully Electric Chevy Bolt



Progress Update

Electric Fleet Vehicles

- In coordination with GSD, over the last few years RAP has integrated electric vehicles into its fleet and installed EV charging infrastructure at various park facilities
- 24 EV charges have been installed and upgraded at park facilities citywide
- RAP is working with GSD Fleet Services to create an end-to-end ecosystem to ensure proper use of the EVs within our department. This would include the installation of chargers at 4 major locations:
 - Central Service Yard (CSY)
 - Valley Region Headquarters
 - Pacific Region Headquarters and West Region
 - Maintenance and Construction
- RAP purchased two mobile, solar EV chargers



Solar powered charging station

Assessment

Electric Landscape & Maintenance Equipment

- In 2018, RAP completed a 6 month evaluation on electric landscape equipment.
- During the study we found benefits and short falls when the electric powered landscape/maintenance industry was in its infancy. With this data available, we took inventory of our current equipment in the field and we are developing methods for organization based on how crew members use the equipment.

Benefits

- overall costs over the life of the unit
- noise reduction
- clean emissions
- cost of gas vs electricity
- less maintenance
- operator experience

Short falls

- initial cost for electric equipment is 60% high
- run time is limited
- battery charge time

- Over the last 2 1/2 years COVID had slowed our progress to electrify our landscape and maintenance fleet. However we have made significant strides since then, following the trends of larger manufactures as they are now starting produce commercial grade battery powered equipment.



Current RAP EV Fleet and Landscape Equipment



Electric Line Trimmer

Fleet Electric Vehicles

- 10 Electric Sedans
- 5 Plug-in Hybrid Sedans
- 2 Light Duty EV Trucks (Fleet expects delivery this year)



Electric Backpack/handheld Blower

Electric Landscape Maintenance Equipment

- 82 Electric Handheld/Backpack Blowers
- 13 Electric 60" Riding Mowers
- 9 Electric Golf Greens Mowers
- 34 Electric Utility Maintenance Personnel Carriers
- 22 Electric String Trimmers
- 28 Solar Powered Light Towers
- 4 Electric Walk Behind Lawn Mowers



Moving Forward

Challenges

- Infrastructure – RAP’s diverse fleet is dispersed Citywide and is located at shared parking lots and charging facilities that will need support from Fleet Services for multi-tenant charging infrastructure.
- Heavy-Duty Equipment – Despite advancement in the market, there is still a significant lack of all electric alternatives for heavy-duty vehicles and equipment.
- Cost – Existing MICLA allocations are premised on gas powered vehicles; acceleration of electric replacement vehicles, such as medium duty trucks, will require additional funding this FY and significant new funding authorization for future years.

Opportunities

- In coordination with GSD, RAP is aggressively working to expand the current fleet of electric sedans, trucks and landscape equipment where feasible
- The first choice in our landscape equipment replacement cycle will be all electric
- RAP is partnering with BOE and LADWP for onsite renewable energy sources and EV infrastructure as part of citywide decarbonization efforts (CF#21-1039)

