

**MOTION**

An innovative and nation-leading effort was recently approved by the Board of the Los Angeles Department of Water and Power (LADWP), which will add two-way vehicle charging as a tool in modernizing the City's power grid. The LADWP pilot program is known as the Commercial Energy Storage to Grid (CES2G), and it consists of 20 MW of energy capacity at a total cost of \$32M (incentives and guarantees). This package will augment current stationary energy storage by adding a new category, popularly known as vehicle to grid. The City should leverage this new technological ability to assist in decarbonizing its heavy-duty vehicle fleet while adding resiliency to the grid.

If the City can successfully connect to the CES2G program, it can be an initial partner of LADWP in order to unlock potentially thousands of mobile batteries. City fleet vehicles are ideal for this function due to their heavy power needs; vehicles such as trash trucks, buses, street pavers, or street sweepers should participate. By participating in the program, the City can assist in incentivizing more efficient energy resources during customer peak hour usage, which will result in lower costs to the ratepayers by using cheaper stored energy instead of expensive peak-hours generated energy.

This effort to modernize the power grid is needed in order to improve the dispatch of electrical load during critical peak power (CPP) events, where power demand is critically high. Understanding CPP is essential when considering the efficient distribution of electrical load, especially when customer demand is high and renewable resources are low.

The City should update its EV Master Plan (CF: 21-0890) and Building Decarbonization Master Plan (CF: 21-1039) by incorporating the CES2G program within city policy to maximize the strategic use of heavy-duty vehicles on city land, allowing for a more stable electrical grid. At the same time, the LADWP should work collaboratively with Departments that operate and maintain the largest mid and heavy-duty vehicle fleets to ensure the success of this and other grid resiliency policies that further Council priorities to electrify mid and heavy-duty vehicle fleets.

I THEREFORE MOVE that the Department of General Services, and the Bureau of Engineering, in coordination with the Department of Water and Power, and with the assistance of the City Administrative Officer, incorporate the commercial energy storage to grid (CES2G) program within the Municipal Building Decarbonization Workbook policy (21-1039) and the Electric Vehicle Master Plan policy (21-0890), where feasible, efficient, and when furthering vehicle decarbonization and electrification goals.

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I FURTHER MOVE that the Los Angeles Department of Water and Power, in collaboration with the Bureau of Sanitation, Department of Transportation, Bureau of Streets Services, Department of Recreation and Parks, and all other departments that operate and maintain vehicles classified as mid and heavy-duty, identify mutually beneficial goals and priorities concerning CES2G "vehicle to grid" policy in order to electrify and decarbonize all "hard-to-electrify" fleets across all agencies including proprietary Departments.

PRESENTED BY:

  
 BOB BLUMENFIELD  
 Councilmember, 3rd District

SECONDED BY:



ORIGINAL

