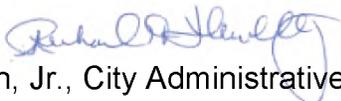


CITY OF LOS ANGELES
INTER-DEPARTMENTAL CORRESPONDENCE

Date: August 24, 2020

To: The Mayor
The City Council

From:  Richard H. Llewellyn, Jr., City Administrative Officer

Subject: **INNOVATION FUND RECOMMENDATION – OZONE CLEAN ALTERNATIVE DISINFECTANT STUDY**

RECOMMENDATIONS

That the Council, subject to the approval of the Mayor:

1. Establish and appropriate a new appropriation account entitled LASAN – Ozone Clean Alternative Disinfectant Study in the amount of \$90,000 within the Innovation Fund No. 105/10 from the available cash balance of the Innovation Fund.
2. Transfer \$90,000 from the Innovation Fund 105/10, Account to be Established, LASAN – Ozone Clean Alternative Disinfectant Study to the Sewer Operations and Maintenance Fund No. 760/50 as follows:

<u>Fund/Dept.</u>	<u>Account No.</u>	<u>Account Name</u>	<u>Amount</u>
760/50	50RX82	PW-Sanitation Expense and Equipment	\$90,000

3. Instruct the Bureau of Sanitation to:
 - a. Separately track all encumbrances and expenditures of Innovation Fund monies so that unspent funds can be returned to the Innovation Fund at the end of the fiscal year;
 - b. Report to the Innovation and Performance Commission with an accounting of the funds, the lessons learned, and any obstacles faced; and,
 - c. Report to the Innovation and Performance Commission if, after the receipt of funds, the scope of the funded item differs from the scope approved for funding by the Mayor and the City Council.
4. Authorize the City Administrative Officer to make technical corrections as necessary to those transactions included in this report to implement Mayor and Council intentions.

SUMMARY

The City Administrative Officer herewith transmits the recommendation of the Innovation and Performance Commission (IPC) to approve funding in the amount of \$90,000 from the Innovation Fund (IF) for the Bureau of Sanitation (LASAN) – Ozone Clean Alternative Disinfectant Study pilot. Please note, as with all IPC recommendations, this report presents the idea as submitted by the Department and approved by the IPC along with the necessary recommendations to implement the idea as presented. If the scope of the Innovation Fund item changes after the Department receives funding, the Department must return to the IPC to present the revised scope to the Commission to determine whether alternative recommendations are required.

Through the Ozone Clean Alternative Disinfectant Study pilot, LASAN proposes to improve the health and safety of public spaces within the City by decreasing pollutant byproduct that poses harm to the environment and watershed. Currently, LASAN uses chlorine bleach treatments for a variety of clean up and disinfectant activities throughout the City. LASAN states that exposing the City's streets to bleach disinfectant treatments increases the risks of chlorine residuals seeping into the City's storm drains and contaminating its water sources. As part of this pilot, LASAN proposes to replace some chlorine bleach treatments with ozone water treatments for disinfectant purposes. According to LASAN, it will contract with Ozone Clean Technologies for this pilot in order to study the efficacy of its disinfectant methods. Ozone Clean Technologies produces an ozone water with a proprietary zone generator that purports to disinfect contaminated areas, using the same protocol and process as the bleach disinfectant. The ozone breaks down into oxygen after use, dissipating in air which LASAN states has no harmful impacts to our environment.

According to LASAN, initial laboratory testing indicates that ozone treatment is highly effective in killing fecal indicator bacteria as well as viruses. The pilot will be conducted in three treatment zones and throughout the City to validate whether ozone is an effective cleaning method for the City's public spaces. One of the treatment zones will be treated with a water power-wash. This will be the "control" group. The second treatment zone will be treated with LASAN's current treatment of a bleach disinfectant. This will measure the effectiveness of the current process. The third treatment zone will be treated with ozone. This treatment will be tested and compared to the results of the first two treatment zones. The three treatment zones will be applied and tested in 16 different areas within the City. LASAN states that the selection of these 16 areas is based on known public right-of-way areas that are highly contaminated or soiled.

To implement this pilot, LASAN will work with an Ozone Clean Technologies supervisor who will oversee the operations of the ozone-generating equipment to ensure that LASAN knows how to produce and properly apply the ozone to the contaminated area. The cleaning process includes first power-washing the area to remove the majority of the solids. Next, the area is treated with ozone water. Lastly, residual power-washing will be collected into a vacuum truck for disposal at the water reclamation plant. LASAN states that its Project Manager and the Ozone Clean Technologies supervisor will manage the pilot. At the end of the pilot, LASAN will use the information gathered to determine whether to continue with its current method or consider switching to ozone treatments. This determination will be made based on the effectiveness highlighted in the study, as well as anticipated cost-savings, in an effort to

protect public health and the environment, maintain a safe work environments, and provide efficient operations.

The Commission has recommended funding of \$90,000 for the Ozone Clean Alternative Disinfectant Study pilot. The cost of this pilot include \$67,500 to contract for the Ozone Clean Technologies Trailer System and \$22,500 to contract for the Ozone Clean Technologies Supervisor.

FISCAL IMPACT STATEMENT

Approval of these recommendations will allocate \$90,000 of the remaining \$1,816,234 Innovation Fund 2020-21 available balance. The \$90,000 will be transferred to the LASAN to begin implementation of the pilot project that has been approved by the Innovation and Performance Commission. In some cases, departments will incur ongoing costs.

FINANCIAL POLICIES STATEMENT

The recommendations of this report are in compliance with the City's Financial Policies as Innovation Fund monies are being utilized for an eligible project which will improve the quality, efficiency and effectiveness of City service through innovation, productivity, and performance measurement.