CITY OF LOS ANGELES
INTER-DEPARTMENTAL CORRESPONDENCE

0220-01463-0143

Date: August 18, 2022

To: The Mayor
            The City Council

From: Matthew W. Szabo, City Administrative Officer

Subject: **INNOVATION FUND RECOMMENDATION – STREETLIGHTS-AS-A-SERVICE**

RECOMMENDATIONS

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

1. Establish and appropriate a new appropriation account entitled Bureau of Street Lighting – Streetlights-as-a-Service in the amount of $100,000 within the Innovation Fund No. 105/10 from the available cash balance of the Innovation Fund.

2. Transfer $100,000 from the Innovation Fund No. 105/10, Bureau of Street Lighting – Streetlights-as-a-Service to Fund No. 100/84 as follows:

Fund/Dept.	Acct No.	Account Name	Amount
100/84	008780	Street Lighting Improvement and Supplies	$ 90,000
100/84	001010	Salaries, General	10,000
			Total: $100,000

3. Instruct the Bureau of Street Lighting 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;
    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; and,
    d. As appropriate, include acknowledgment of the Innovation and Performance Commission on public materials, such as press releases or websites that reference the Streetlights-as-a-Service project.

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 $100,000 from the Innovation Fund (IF) for the Bureau of Street Lighting (BSL) – Streetlights-as-a-Service (SaaS) pilot project. Please note, as with all IPC recommendations, this report presents the idea as submitted by the BSL 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 Bureau receives funding, the BSL must return to the IPC to present the revised scope to the Commission to determine whether alternative recommendations are required.

BSL is proposing to install Smart Corridors as part of the SaaS pilot program. This pilot program will use new sensor technology to allow BSL, and the City as a whole, to evolve its municipal services deployment, providing real-time information to help with policy and resource decisions that can have considerable impact on communities. BSL plans to pilot two Smart Corridors, which will enable a suite of sensors, cameras, communications, and lighting technologies for the purposes of:

- Showcasing the future of service delivery to internal and external audiences;
- Augmenting specific, previously implemented projects; and,
- Creating a baseline of technologies that departments, and even entities outside of the City, can chose to utilize.

BSL states that the Smart Corridors pilot locations will be near the Los Angeles State Historic Park along Spring Street and near the University of Southern California (USC) campus along Jefferson Boulevard. These pilot locations were identified based on their various levels of traffic and movement, but are not adjacent to residences to avoid potential privacy concerns. The measure of success for the SaaS project will be determined through the adoption of the technology around the City. BSL believes that if multiple departments across the City use the technology, BSL can better quantify the level of success. BSL anticipates working with the Department of Transportation and Bureau of Street Services to identify ways the Smart Corridors sensor and tracking technology could be used, such as to revolutionize street sweeping communication by replacing the traditional tools for communication such as signs and mobile applications.

The IPC recommends $100,000 for the BSL – SaaS pilot. Of the $100,000, $10,000 will be used to fund a staff position that will support the pilot, with the remaining $90,000 to be used to procure the Smart Corridor technology components. The $90,000 for technology will be spent as follows:

- $63,000 - To develop a complete system that can compute and organize data for various applications that can be useful to other agencies.
- $27,000 - To acquire and install specific technology devices.

The projected timeline for the pilot, once funding is received, is a total of six months, which includes four months to procure the technology and two months to implement the technology. BSL states that the return on the initial investment could be demonstrated through cost reductions in various departments. A major goal for the project is to assist with the reduction of costs for other departments by avoiding substantial investment and deployment of technology

as the process can be complicated and difficult. BSL has stated it anticipates ongoing costs to be minimal and would be able to absorb them as needed.

FISCAL IMPACT STATEMENT

Approval of these recommendations will allocate $100,000 of the remaining $1,408,612 Innovation Fund 2022-23 available balance. The $100,000 will be transferred to the Bureau of Street Lighting 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.

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