

BOARD MEETING DATE: September 6, 2024

AGENDA NO. 9

**PROPOSAL:** Transfer and Appropriate Funds and Authorize a Sole Source Purchase to Replace the Uninterruptable Power Supply System at Diamond Bar Headquarters

**SYNOPSIS:** South Coast AQMD's headquarters building requires a replacement to its uninterruptable power supply (UPS) system and equipment. The UPS system maintains and protects South Coast AQMD's critical information technology data center infrastructure. This action is to transfer and appropriate \$224,000 from the Infrastructure Improvement Fund (Fund 02) to Administrative and Human Resources' FY 2024-25 Budget, Capital Outlays Major Object, and issue a sole source purchase order to Mitsubishi Electric Power Products, Inc. to replace the UPS system.

**COMMITTEE:** Administrative, August 9, 2024; Recommended for Approval

**RECOMMENDED ACTIONS:**

1. Transfer and appropriate \$224,000 from the Infrastructure Improvement Fund (Fund 02) to Administrative and Human Resources' FY 2024-25 Budget, Capital Outlays Major Object, Capital Outlays account; and
2. Authorize the Procurement Manager, in accordance with South Coast AQMD's Procurement Policy and Procedure, to issue a sole source purchase order to Mitsubishi Electric Power Products, Inc., in an amount not to exceed \$224,000, to replace the uninterruptable power supply (UPS) system.

Wayne Nastri  
Executive Officer

## **Background**

Built in 1991, South Coast AQMD's Diamond Bar headquarters building periodically requires repairs and upgrades to its operational and infrastructure systems and equipment. The data center UPS system was first installed during the original building construction and was upgraded in 2003. This system ensures protection and continuous operation to the agency's information technology infrastructure in two ways. The UPS controller monitors and filters incoming utility power to provide a consistent throughput for South Coast AQMD computer networks and servers, thus preventing damaging power spikes or surges. In addition, the UPS system will temporarily keep critical communication and data systems running during a loss of utility power as its battery becomes a source of power during the disruption. The UPS system consists of a main power monitor and controller, a battery cabinet, and a system bypass.

The existing UPS system has outlived the expected life cycle. Routine inspections and maintenance have sustained the UPS system's longevity. Due to age, signs of wear, and component obsolescence, the UPS system needs replacement to maintain critical protection and operation of essential computer network servers and equipment.

## **Proposal**

The Infrastructure Improvement Special Revenue Fund (Fund 02) was established for capital outlay building-related improvement projects, such as the one presented. Staff requests an appropriation of \$224,000 from Fund 02 to Administrative and Human Resources' FY 2024-25 Budget, Capital Outlays Major Object, Capital Outlays account.

This proposal seeks Board authorization for the Procurement Manager, in accordance with South Coast AQMD's Procurement Policy and Procedure, to issue a sole source purchase order to Mitsubishi Electric Power Products, Inc. for procurement and installation of a new UPS system. Mitsubishi Electric Power Products, Inc., previously operating as Computer Protection Technology, Inc. (a service branch of Mitsubishi Electric Power Products, Inc.), has provided maintenance and emergency repairs to the UPS system since 2003. Mitsubishi Electric Power Products, Inc.'s extensive knowledge of the system infrastructure, technical expertise, familiarity with headquarters building power setup, and installation capabilities will allow for an expeditious turn-key replacement process.

The proposed replacement provides the latest generation of UPS system to be installed with optimized power efficiency, performance, and reliability. The new UPS system will integrate with the building energy management system, enabling remote monitoring and detailed system notifications. In addition, the updated UPS system will utilize lithium-ion batteries, replacing the previous lead acid battery technology. The use of lithium-ion batteries provides a significant reduction in maintenance and operational costs, an extended lifespan, higher efficiency, and safer functionality over the current lead acid battery system.

**Sole Source Justification**

Section VIII.B.2 of the Procurement Policy and Procedure identifies four major provisions under which a sole source award may be justified. The sole source award request to Mitsubishi Electric Power Products, Inc. for procurement and installation of the UPS system is made under:

- Section VIII.B.2.b: Public health or property may be endangered by delay;
- Section VIII.B.2.c(1): The unique experience and capabilities of the proposed contractor or contractor team; and
- Section VIII.B.2.d(6): Projects requiring compatibility with existing specialized equipment.

**Resource Impacts**

Sufficient funding is available in the Infrastructure Improvement Fund (Fund 02).