

Exhibit to Agenda Item #7

Approve Contract Change No. 1 to Contract No. 4600001124 with **Open Systems International, Inc.** to increase the contract amount by \$12,550,000, from \$10,256,189 to \$22,806,189, for the addition of a new outage management system.

Board Finance & Audit Committee and Special SMUD Board of Directors Meeting
Tuesday, March 14, 2023, scheduled to begin at 6:00 p.m.

SMUD Headquarters Building, Auditorium

Outage Management System (OMS)

An Outage Management System (OMS) is a computer system and software used by Distribution System Operators to manage and restore customer power outages.

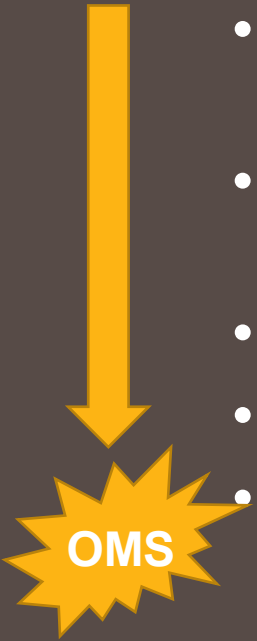
- Assesses and predicts where outages are
- Identifies which customers are affected
- Assists Operators in prioritizing restoration efforts
- Provides restoration times (conditions-based)

SMUD's OMS Journey

SMUD currently uses Hexagon's Outage Management System.

Gradual migration:

- 1999: OMS initiative kicked-off as part of a larger project to digitize parts and processes of our Distribution System.
- 2000 – 2004: OMS implementation project started and data was slowly migrated over a period of 4 years.
- 2005: MobileTC (mobile application for crews) went live.
- 2007: OMS deemed system of record for outages.
- 2014: Operators no longer using paper map. OMS fully adopted.



OMS Modernization – GRID 360

Replacing SMUD's end of life Outage Management System (OMS) would position our workforce with improved visibility and information to better serve our customers expectations.

- More intuitive workflows and system capability to foster better customer communication.
- More access to data that improves decision making and safety.
- Increase efficiencies through operational excellence and automating processes.
 - Reducing two separate systems to 1 integrated platform
- An integrated, modern, and robust platform that supports grid modernization and automation.

Strategic Vision

Distribution Operations Technology Goals



Improve
Customer &
Workforce
experience



Increase
operational
efficiencies



Robust
Integrated
Platform




C Y B E R S E C U R I T Y



Multiple Benefits

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- ## Improved Customer & Workforce Experience:
- Advanced Estimated Restoration Time (ERT) features and functionality
 - Availability of meaningful data for better job and crew status visibility and customer communications.
 - Deliver dashboards and improved reporting
 - Transparency & collaboration

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- ## Operational Excellence & efficiencies:
- Attachments via mobile app (ex - photos of storm damage)
 - Enhanced Advanced Meter Infrastructure (AMI) integration for verifying customer restoration.
 - Ability to assign multiple jobs to the same multiple set of crews.
 - Support planned outages to allow for pro-active communications.

Procurement Strategy

- **Background & Approach**

- ADMS contract was awarded to OSI as a result of a competitive solicitation.
- Built a strategic partnership with OSI:
 - \$10 million existing contract
 - Joint Collaboration agreement for ADMS/DERMS
 - Benefits of “collaborative” approach and partnership
- OMS license purchase option included in the ADMS contract for future purchase to support the long-term strategy.

Questions

Action Requested

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