



Agenda Report Details (With Text)

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Title: PROCESS CONTROL SYSTEMS UPGRADE, PROJECT NO. J-120
Sponsors: Mike Dorman
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Date	Ver.	Action By	Action	Result
5/24/2023	1	BOARD OF DIRECTORS		
5/3/2023	1	OPERATIONS COMMITTEE	Recommended for Approval	

FROM: Robert Thompson, General Manager
 Originator: Mike Dorman, Director of Engineering

SUBJECT:

PROCESS CONTROL SYSTEMS UPGRADE, PROJECT NO. J-120

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

- A. Approve a Purchase Order to CDW-G Corporation for the purchase of computers and monitors, for the Process System Control Upgrade, Project No. J-120, using the Sourcewell cooperative contract number 081419-CDW for a total amount not to exceed \$334,058 plus applicable sales tax; and
- B. Approve a contingency of \$33,406 (10%).

BACKGROUND

Process Control Systems Upgrade, Project No. J-120, will replace the existing Human-Machine-Interface (HMI) system and data historian with an ABB distributed control system (DCS). The HMI system is the graphical user interface for Orange County Sanitation District's (OC San) treatment plants and collections facilities control systems.

The new DCS requires computer workstations, monitors, and ancillary items which were not included in Project No. J-120 under the Master Services Agreement with ABB Inc. and were planned as owner-furnished equipment. The items selected meet ABB's recommended specifications and OC San's standards.

RELEVANT STANDARDS

- 24/7/365 treatment plant reliability
- Participate in local, state, and national cooperative purchasing programs
- Ensure the public's money is wisely spent
- Maintain a culture of improving efficiency to reduce the cost to provide the current service level or standard
- Protect OC San assets

PROBLEM

The new DCS system requires computer workstations and monitors to be functional. The existing workstations used for the existing HMI system do not meet ABB's recommended specifications. Staff will not be able to use the new system if workstations are not purchased.

PROPOSED SOLUTION

Approve a purchase order for computers and monitors utilizing a cooperative agreement.

TIMING CONCERNS

New workstations and monitors are required by December 2023 to maintain the current schedule for Process Control System Upgrade, Project No. J-120.

RAMIFICATIONS OF NOT TAKING ACTION

A decision not to purchase new workstations and monitors would prevent the deployment of the new ABB DCS system and the replacement of the existing HMI system.

PRIOR COMMITTEE/BOARD ACTIONS

April 2023 - Approved a Purchase Order to ePlus Technology, Inc. for the purchase of software, hardware, and services for Specification No. E-2022-1375BD, Process Control System Upgrade: Server Expansion (Project No. J-120), for a total amount not to exceed \$1,008,454 plus applicable sales tax and shipping; and approved a contingency in the amount of \$100,845 (10%).

July 2021 - Approved Task Order No. 1 under the Master Services Agreement with ABB Inc. to provide services, software, and equipment for Process Control Systems Upgrades, Project No. J-120, for an amount not to exceed \$11,818,480; and approved a contingency of \$1,181,848 (10%).

ADDITIONAL INFORMATION

OC San is utilizing a cooperative agreement through Sourcewell, a State of Minnesota local government agency and service cooperative, Contract # 081419-CDW. This agreement was awarded using a competitive bid process similar to OC San's and has been vetted by Purchasing.

The total amount of bid under this cooperative agreement is \$334,057.82 plus applicable sales tax, with approximately \$30,000 of savings.

Staff evaluated the bid in accordance with OC San policies and procedures and, based on these results, recommends awarding the Purchase Order to CDW-G Corporation. The term of this Purchase Order will be upon effective date of the Notice to Proceed.

OC San also solicited pricing from Insight Public Sector through a different cooperative agreement Omnia Partners, Contract # 4400006644. The pricing from Insight Public Sector was \$364,039.36 plus tax, which was higher than the bid from CDW-G Corporation.

CEQA

The project is exempt from CEQA under the Class 1 categorical exemptions set forth in California Code of Regulations Section 15301. A Notice of Exemption has been filed with the OC Clerk-Recorder (July 2021).

FINANCIAL CONSIDERATIONS

This request complies with authority levels of OC San's Purchasing Ordinance. This item has been budgeted (Adopted Budget, Fiscal Years 2022-2023 and 2023-2024, Section 8, Page 37, Process Control Systems Upgrade, Project No. J-120) and the budget is sufficient for the recommended action.

ATTACHMENT

The following attachment(s) may be viewed on-line at the OC San website (www.ocsan.gov) with the complete agenda package:

N/A

GR:tk