

Process Control Systems Upgrade Project No. J-120

Presented by:
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Engineering
Manager
Operations
Committee
July 7, 2021

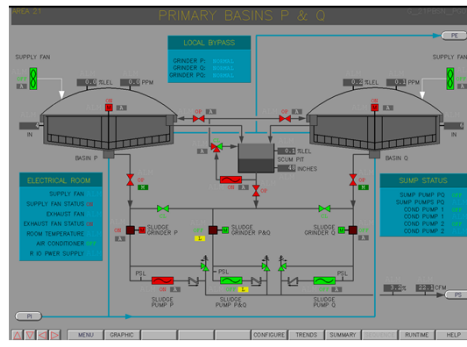
Contract Award



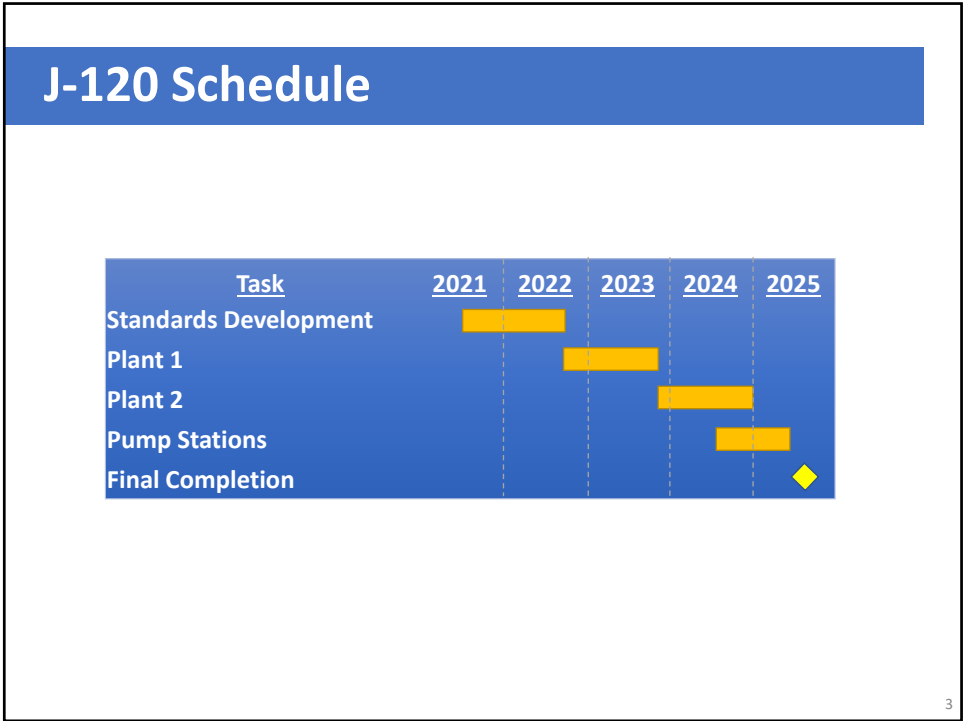
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J-120 Scope of Work

- Replaces the existing HMI system
 - Graphic screens
 - Alarming
 - Read-only HMI system
 - Cyber security (security updates, malware protection, backup & recovery)
 - Maximo integration (maintenance management system)
 - Training
- Develops New Standards
 - HMI Graphics
 - Controller
 - Update equipment specs and control panel drawings



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J-120 ABB Costs

No.	Item	Price	Comments/Justification
Base Proposal Price			
1	J-120 Costs	\$8,211,707	Negotiated base price. Submitted price \$8,433,737.
Additional Scope Items			
1	Enterprise historian	\$1,275,899	Optional proposal item. Leverages ABB's integrated historian features.
2	Monthly reports and operator round sheets	\$1,213,169	Existing custom reporting system difficult to maintain.
3	Cyber security	\$597,224	ABB offered additional tested and proven cyber security features that extend beyond the base requirements.
4	Major Equipment Status	\$325,641	Integrates with the SCADA system to provide real-time plant capacity for wet and dry weather conditions.
5	Additional programming standards and testing	\$144,840	Added programming templates. Added witness testing by OC San for all programming templates.
6	Existing Control Room Upgrade Study	\$50,000	ABB has expertise developing conceptual control room designs.
	Additional Costs Subtotal	\$3,606,773	
	Total Costs	\$11,818,480	

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J-120 Recommended Action

Recommend to the Board of Directors to:

- A. Approve 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
- B. Approve a contingency of \$1,181,848 (10%).

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Questions



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