



Business Item 2022-204

Programmable Logic Controller Renewal Design/
Implementation Services and Construction Support
Services, Contract 21P328



Environment Committee: September 27, 2022

Rene Heflin

Need for Project

- Programmable Logic Controllers (PLCs) are programmable industrial computers that monitor the status of the wastewater treatment process and control the equipment which treats the wastewater.
- Parts for most of the PLCs will not be available after 2022.
- Renewal of PLCs is expected to take 5 years.

Scope of Services

- Design and implementation services for:
 - Replacement of obsolete Programmable Logic Controllers
 - Updating of the system which displays treatment process information throughout the wastewater treatment system
- Construction support services for PLC Renewal
- Construction inspection services for other MCES capital projects

Solicitation Summary

- Request for Proposals issued January 14, 2022
- Metropolitan Council Disadvantaged Business Enterprise (DBE) goal of 3%
- 4 proposals received February 17, 2022
 - Automatic Systems Company
 - Brown and Caldwell
 - Carollo Engineers
 - Stantec Consulting Services

Proposal Evaluation Summary

- Panel Members
 - 5 Environmental Services staff
 - 2 external stakeholders
 - Criteria
 - Quality of the proposal
 - Qualifications of the proposer
 - Experience of the proposer
 - Service Delivery Plan
- * Carollo Engineers had the highest score of the four Proposers

Proposed Action

That the Metropolitan Council authorize the Regional Administrator to negotiate and execute Contract 21P328 with Carollo Engineers for programmable logic controller renewal design, implementation, and construction support services in an amount not to exceed \$10,400,000.



Questions

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