



STAFF REPORT

Meeting Type: Board of Directors
Title: Network Infrastructure Refresh Project
From: Bret Uppendahl, Finance Director
Through: Ben Horenstein, General Manager
Meeting Date: December 17, 2024

TYPE OF ACTION: X Action Information Review and Refer

RECOMMENDATION: Authorize the General Manager to execute Amendment No. 1 to MA-6326 with Quest Technology Management in the amount not to exceed \$105,000

SUMMARY: Much of the current hardware supporting the District network is well past its service life or will no longer be supported by the manufacturer within a year. Remediation is also required to replace cabling and fiber infrastructure to support modern networking standards and increased speeds. Lastly, the current Wide Area Network (WAN) architecture can be simplified by migrating off of the current solution and moving towards WAN services directly provided by our primary carrier.

Staff is proposing an amendment to MA-6326 with Quest Technology Management to perform the needed remediation. This project marks an important step in improving the reliability, capacity, and performance of the District local and wide area networks and is critical for the delivery of IT services, solutions, and applications across the organization.

DISCUSSION: Staff provided an overview of the Network Infrastructure Refresh project at the Operations Committee on November 15th. This project is necessary to ensure future serviceability and manageability of the District's network and is a crucial component supporting the adoption of cloud services and the modernization of the District's ERP infrastructure. This project will provide several benefits to the District, including cost reduction, simplification of network architecture, improved functionality and increased reliability.

The District entered into an agreement with Quest Technology Management (MA 6326) for \$40,000 in October 2024 for remediation work at the Corporation Yard. The proposed amendment would add an additional \$105,000 for a not to exceed total of \$145,000.

ENVIRONMENTAL REVIEW: Not Applicable.

FISCAL IMPACT: As shown in the table below, and detailed in the attachments, the estimated cost for Quest Technology Management to perform the remediation is \$104,928. This includes, cabling, and fiber upgrades as well as professional services for execution of the project. The purchase of network hardware and associated licensing costs are not included.

Component	Description	Quote
Admin Building/Corp Yard	<ul style="list-style-type: none"> Install armored and outdoor-rated fiber optic cable Install a 12U network rack in the electrical room. Install 1 Cat 6 plenum rated cable for a feeder from the electrical room to an existing rack in the Lab. Install 275 feet of indoor/outdoor fiber between the electrical room and the warehouse. Install 1 harsh environment 42U network cabinet. 	\$54,928
Bon Tempe/ San Geronimo/ Ignacio	<ul style="list-style-type: none"> Install a 10-12U wall mounted rack Install a 3U vertical network rack. Install new 24-port modular patch panels. Relocate the OSP cables and Access Points Install Cat 6 data drops 	\$30,000
Sky Oaks	<ul style="list-style-type: none"> Install a new 24-port modular patch panel. Install approximately 15 plenum rated data cables. Run new 6 Strand outdoor rated fiber between ranger station and both trailers 	\$20,000

Total Project Cost: \$104,928

ATTACHMENT(S):

1. Amendment No. 1 to Agreement for Professional Services between Marin Municipal Water District and Quest Technology Management (MA-6326)

DEPARTMENT OR DIVISION	DIVISION MANAGER	APPROVED
Finance	 Bret Uppendahl Finance Director	 Ben Horenstein General Manager