

SUWANNEE RIVER WATER MANAGEMENT DISTRICT

MEMORANDUM

TO: Governing Board

FROM: Tyler Jordan, Systems Administrator, Office of Information Technology

THRU: Steve Minnis, Deputy Executive Director, Business and Community Services

DATE: January 29, 2021

RE: Virtual Infrastructure Upgrade

RECOMMENDATION

Authorize the Executive Director to purchase three Dell R640 Servers and two Dell EMC Network Switches from VtechIO, for an amount not to exceed \$61,000.

BACKGROUND

Virtual infrastructure is a collection of software-defined components that make up an enterprise information technology (IT) environment running on physical servers functioning as hosts. Virtualized equipment allows resources (virtual machines) to be allocated quickly and alleviates the need to have physical servers for each application in the server room. This infrastructure is critical to our organization in that it houses the Finance Server, GIS Servers, Database Servers, and many other critical applications that District staff use daily.

The District currently has three Dell M630 blade servers (purchased in 2015) and two Dell 6224 network switches (purchased in 2011) that function as physical hosts. The current servers and switches have reached or are nearing the end of their serviceable lives (5+ years) and need to be replaced. The addition of the new equipment will also support a remote workforce if necessary, as well as being more energy efficient. The existing equipment was not capable of supporting a remote workforce, forcing the deployment of additional resources during the lockdown last spring.

The VtechIO quote includes purchasing three Dell R640 Servers and two Dell EMC Network Switches with a 5-year support plan. VtechIO professional services will be used for the installation and configuration of this equipment. The quote is issued under the competitively bid State of Florida contract (NASPO ValuePoint 17AHC C000000007982 WN08AGW TRP Seminole 26AHI C000000007806 53AHF).

Funding for this recommendation is included in the Fiscal Year 2020-2021 Final Budget under the following Computer Equipment account codes: 01-4-906-5-1500-16-00, 01-4-906-5-2700-16-00, 13-4-906-5-3700-16-00, 01-4-906-5-4500-16-00, and 01-4-906-5-6109-16-00.

JW/tm
Attachment