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19-077

UPGRADE OF DATA CENTER BACKUP SYSTEM

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FINANCIAL
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REPORT: In 2011, Information Technology (IT) installed a Dell Avamar backup system (BA-12-042) for data replication and storage of critical College systems and services. Today, the Avamar system is end-of-life and does not utilize best practice methodology for data backup and storage.

After research and analysis, the best solution for PCC's data environment is to replace it with a new hyper-converged data protection system. Hyper-converged systems combine storage, computing power, and network into a single system to reduce data center complexity and increase backup reliability and scalability. Upon careful consideration, IT selected the Dell EMC Integrated Data Protection Appliance (IDPA) 5800 to provide backup and restore capabilities for our existing data environment. The IDPA 5800 also provides storage protection, search capabilities, and analytics in one integrated system. Our current server environment, as well as our data storage environment, is comprised of Dell products ensuring a consistent integration of a new Dell backup system.

The purchase will include two IDPA 5800 appliances with expandable storage space, professional services for installation, 5 years maintenance, and a credit for our current backup system. The cost for the backup system is \$548,469 which includes a \$50,000 credit for our current backup system. Maintenance costs for a further five years are estimated at \$300,000. Adding 10% contingency the total

request is \$933,316. The initial purchase will be from 2017 bond funds and the ongoing maintenance from IT General Fund.

The estimated cost for this purchase will exceed the \$150,000 threshold, thus requiring the Board of Directors approval. The Dell EMC IDPA 5800 is available through ORPIN (Oregon Procurement Information Network) contract 5603. Utilizing an ORPIN contract is allowed without a competitive process per the College. CDWG is a provider of hardware products through ORPIN contract 5603 which is valid through 12/30/2019.

There are no identified MWESB firms on the ORPIN contract for this equipment.

RECOMMENDATION:

That the Board of Directors authorize the College to purchase the Dell EMC Integrated Data Protection Appliance using 2017 Bond Funds for the initial purchase including 5 years support and IT General Funds for support after that period.