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From the Chief Information Officer, Information Management Services Division, Department of Administrative Services, requesting authorization to execute a Commodities Contract with International Business Machines in the amount of \$990,000 per year for a term of five years to transition the CGI Advantage system application to state-of-the-art hosted mainframe services, by recommending adoption of the following:

**A RESOLUTION**

WHEREAS, several business-critical applications continue to reside on Milwaukee County's (the County) deprecated International Business Machines (IBM) mainframe computer; and

WHEREAS, in 2017, the Information Management Services Division (IMSD), Department of Administrative Services (DAS), will retire most business applications running on the mainframe, but will continue running the County's mission-critical financial system, CGI Advantage, which cannot be retired until implementation of a new Enterprise Resource Planning (ERP) system; and

WHEREAS, service and support of the current mainframe hardware present substantial risk to the County; and

WHEREAS, as the hardware continues to age, it becomes increasingly difficult to obtain serviceable parts, and service outages increase in frequency and duration; and

WHEREAS, an extended outage would inhibit the County from executing critical business functions such as making payments to vendors; and

WHEREAS, execution of this contract allows IMSD, DAS', mainframe team to retire the current mainframe hosted in the City of Milwaukee Data Center, and move the County's CGI Advantage system to Mainframe-as-a-Service (MfaaS); and

WHEREAS, this transition enables the County to: continue running the critical CGI Advantage system until the new ERP project is complete; eliminate the risk associated with the continued use of the deprecated mainframe; enact a modernized Mainframe Disaster Recovery protocol that ensures the availability of the mainframe at 99 percent or better; maintain reporting capabilities on historical data; ensure 24/7 support of required mainframe functions; and consolidate, stabilize, and optimize costs while enhancing services provided; and

WHEREAS, as part of the implementation of MfaaS, IMSD-DAS, will transfer all identified vital historical data to County data servers; and

WHEREAS, this transition allows IMSD-DAS, to maintain reporting capabilities on historical data and eliminates the need for reporting from the mainframe; and

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WHEREAS, IMSD-DAS, has engaged IBM to perform a proof-of-concept, which will demonstrate the functionality of MfaaS in the County's environment; and

WHEREAS, following proof-of-concept and testing, IMSD-DAS, will enter into a five-year contract with IBM to provide MfaaS, with an option for early termination; and

WHEREAS, entering into this agreement will mitigate the risk of financial impact to the County resulting from unexpected or prolonged mainframe downtimes, eliminate the potential for unexpected repair costs related to the deprecated hardware, and create a predictable outcome for the future of the CGI Advantage system; and

WHEREAS, the 2017 cost of migration to the new MfaaS is absorbed in the IMSD-DAS, budget through strategic reduction of existing mainframe spend; and

WHEREAS, the annual cost of supporting the mainframe beginning in 2018 will be a not-to-exceed amount of \$990,000, and will be partially offset by eliminating the need for onsite, contracted mainframe staff; and

WHEREAS, the additional cost of mainframe operations is reflected in the 2018 Requested Budget; and

WHEREAS, the Committee on Finance and Audit, at its meeting of July 20, 2017, recommended adoption of File No. 17-498 (vote 6-0); now, therefore,

BE IT RESOLVED, the Chief Information Officer, Information Management Services Division, Department of Administrative Services, is hereby authorized to execute a five-year contract in the amount of \$990,000 per year with International Business Machines to transition the critical CGI Advantage system application to a state-of-the-art, hosted mainframe environment.

jmj  
07/20/17  
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