Management Committee

Meeting date: March 8, 2017

For the Metropolitan Council meeting of March 8, 2017

Subject: Oracle Exadata Database System

District(s), Member(s): All

Policy/Legal Reference: Council Policy 3-3 Expenditures- Procurement of Goods and Services over $500,000

Staff Prepared/Presented: Sue Hauge, Assistant Director, Application Services; 651-602-1136

Division/Department: RA – Information Services

Proposed Action

That the Metropolitan Council authorize the Regional Administrator to utilize the State CPV (Cooperative Purchasing Venture) Contract to award and execute a Contract with Oracle Corporation, for the procurement of two Oracle Exadata systems, installation services and maintenance in the amount of $1,604,000

Background

The current Oracle database infrastructure was installed in 2012 and has reached maximum capacity. This has resulted in performance issues for mission critical systems. Critical Council systems such as Trapeze Pass (Metro Mobility), LIMs (ES' Lab System), and Hastus (Transit Bus Scheduling) rely on this database platform to operate their business on a day-to-day basis. Database growth and usage rates have accelerated to the point where average growth per year is 25%. The Metro Mobility Trapeze database grew at a rate of 57% in 2016. This level of growth is expected to continue as service continues to expand and will cause our database infrastructure to be inadequate and unreliable.

Rationale

The Council's mission critical business systems need to be highly stable, secure, available and redundant for business continuity purposes. Many of these systems run on two Oracle Database Appliance (ODA) systems. The logical upgrade path from the ODA system is to a more reliable Oracle Exadata appliance that has expansion capability to meet Council needs for many years into the future. To ensure business continuity, two Exadata systems are needed. The current ODA systems will continue to be utilized and be converted to serve test and development needs.

Thrive Lens Analysis

To achieve the thrive goal of sustainability, this project includes purchasing a second Exadata system for COOP purposes. Our existing infrastructure solution does not currently have the capacity to robustly fail over in case of a primary production failure.

Funding

This project is included in the IS 2017 Capital and Operating Budgets.

Known Support / Opposition

This request is supported by all Council divisions. There is no known opposition.