Contact: Andrea Anania

EQUIPMENT PURCHASE – IOWA STATE UNIVERSITY

Action Requested: Approve Iowa State University's request to purchase a DNS, DHCP and IP Address Management Solution (DDIAMS) estimated at $1,832,893.98.

Executive Summary: Equipment purchases at the Regent institutions costing more than $1 million are required by Board policy to be approved by the Board of Regents.

Description of the Equipment
The DDIAMS will provide tools to manage tasks associated with Internet Protocol (IP) address management and underlying services to handle Dynamic Host Configuration Protocol and Domain Name System (DNS) services. This equipment is critical to ISU's infrastructure.

The two major benefits of a complete DDIAMS include: (1) improved availability of critical infrastructure for issuing IP address and DNS names; and (2) decreased staff time due to centralized management of these services. This equipment is also a foundation for automating IT processes such as server provisioning and cloud initiatives.

Justification of the Need for the Equipment
The University reports that the current equipment is not keeping up with the growing number of Internet capable devices on campus. The DDIAMS will provide each device on campus an IP address to connect to the Internet. Without equipment capable of managing demand, users may lose connectivity or not get connected to the Internet.

Any Known Alternatives to the Equipment Proposed
An RFP was issued on March 1, 2016. The bid was sent to four vendors. All four vendors responded to the RFP and were evaluated.

The responding vendors proposed three different solutions. One solution (Infoblox) was proposed by two vendors (Forsythe and Yellow Dog Networks) and was identified as the best fit for ISU. These two vendors were asked to visit campus for an on-site presentation.

Yellow Dog Networks was chosen because they offer additional on-site training going forward with a lower overall cost based on a three-year contract.

Estimated Cost and Source of Funding
The estimated cost is $1,832,893.98. This price includes the necessary hardware, software, installation, training, and three years of maintenance as shown below:

▸ Hardware/Software $758,114.20
▸ Maintenance – 3 years $881,910.72
▸ 3-Year Infoblox DF Feed Subscription $118,145.12
▸ Professional Services Engagement $74,723.94
                                             $1,836,944.98

The source of funding is ISU general funds.

Board Policy: Chapter 7.06B(12) of the Regents Policy Manual requires that:

◆ Equipment costing more than $1,000,000 must be submitted to the Board for approval; and

◆ Requests submitted to the Board Office for approval must include the following information:
    ◆ Description of the equipment;
    ◆ Justification of the need for the equipment;
    ◆ Any known alternatives to the equipment proposed; and
    ◆ Estimated cost and source of funding.