ADMINISTRATION COMMITTEE

Agenda Report

Administration Building
10844 Ellis Avenue
Fountain Valley, CA 92708
(714) 593-7433

File #: 2022-2537   **Agenda Date:** 9/28/2022   **Agenda Item No:** 13.

FROM: James D. Herberg, General Manager
              Originator: Lorenzo Tyner, Assistant General Manager

SUBJECT:

PURCHASE ILAND'S DISASTER RECOVERY AS A SERVICE

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

A.   Approve a Purchase Order to Nth Generation Computing, Inc. for the purchase of software, hardware, and services to implement and configure the iland Disaster Recovery as a Service, Specification No. #E-2022-1300BD, for a three-year period for a total amount not to exceed $475,425; and

B.   Approve a contingency in the amount of $47,542 (10%).

BACKGROUND

Orange County Sanitation District's (OC San) current server and storage computing infrastructure for the Office Disaster Recovery solution has reached the end of its life. Performance of the hardware at The Switch, a disaster recovery site in Las Vegas, worked well previously, but is no longer adequate and requires replacement with a modern, robust solution. Staff recommends replacing the hardware at The Switch with a cloud-based solution that can better support OC San's requirements.

iland Disaster Recovery as a Service (iland) is a hosted cloud solution that provides infrastructure and storage services. It works well with Veeam Backup & Recovery, which is a tool OC San's Information Technology (IT) Division uses to back up the Office and Industrial Control System environment. iland can replicate OC San's backups to their cloud, as well as run workloads in the cloud in the event of a disaster.

RELEVANT STANDARDS

- 24/7/365 treatment plant reliability
- Ensure the public's money is wisely spent
- Maintain a culture of improving efficiency to reduce the cost to provide the current service level or standard
- Protect OC San assets

PROBLEM

After five years, the current infrastructure at The Switch has reached the end of its life (5+ years), is now underperforming, and is due for a hardware refresh. OC San's lease recently came to an end as well. Rather than purchase new hardware and continue leveraging The Switch's datacenter, OC San's IT Division explored more cost-effective solutions.

PROPOSED SOLUTION

To properly adhere to the OC San Disaster Recovery plan, purchase the iland solution and related professional services to configure the environment. The proposed solution is comparable in monthly cost to The Switch, $13,746 (annual $164,952). The monthly iland solution will be a monthly cost of $13,206 (annual $158,475). The iland solution will reduce OC San staff time as maintenance, patching, and upgrades to hardware will no longer be required and will reduce capital equipment replacement costs by approximately $800,000.

The prices noted above for iland are non-disaster situations. If a disaster situation occurs and it is necessary to failover to the iland site and operate it as OC San's primary computing environment, there will be additional surcharges at $46.58 per hour while recovering data centers at Plant No. 1 and/or Plant No. 2.

TIMING CONCERNS

Proper performance of the Disaster Recovery environment is imperative for the continued support and continuity of OC San Plant operations.

RAMIFICATIONS OF NOT TAKING ACTION

A decision not to purchase iland solution would result in continued inefficiencies, limitations in failover capabilities, the inability to provide high availability, and a degradation in service as hardware fails.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

A Notice Inviting Bids was issued on June 23, 2022 via PlanetBids. Bids were due on July 18, 2022. OC San received two (2) bids valid for 180 calendar days from the bid opening date. One (1) bid was withdrawn per the vendors' request. The following is a list of the firms that submitted a bid.

Company Name	Bid	Determination
Nth Generation Computing, Inc.	$475,424.25	Responsive
Technologent	$501.500.94	Withdrawn
Engineer's Estimate: $463,938		

Based on these results, staff recommends approving a Purchase Order with Nth Generation Computing, Inc. The term of this Purchase Order will begin upon the effective date of the Notice to Proceed.

CEQA

N/A

FINANCIAL CONSIDERATIONS

This request complies with authority levels of OC San's Purchasing Ordinance. This item has been budgeted. (FY2022-23 & 2023-24 Budget, Section 8, Page 48, Information Technology Capital Program (M-MC-IT)).

ATTACHMENT
The following attachment(s) may be viewed on-line at the OC San website (www.ocsan.gov) with the complete agenda package:

N/A