DEPARTMENT OF TECHNOLOGY

STONINGTON PUBLIC SCHOOLS
40 Field St.
Pawcatuck, CT 06379

DATE: Thursday October 1, 2020

TO: Prospective Bidders

FROM: Chris Williston, Director of Technology

SUBJECT: SPS VMware ESXi Host Refresh RFP

Project Scope

Stonington Public Schools is procuring a VMware host refresh of our existing environment. This includes 4 servers to run the ESXi hypervisor under vSphere 6.7 management. Each host will include 2 NVIDIA Tesla T4 GPUs to support 64 concurrent users with a 2GB vGPU profile. This VDI solution will support an additional 236 concurrent non-vGPU users. The proposal shall include NVIDIA and VMware licensing as defined in the project scope below.

The current vSphere environment consists of 8 SuperMicro hosts with 512GB memory, 2 Intel Xeon 10 core processors and an NVIDIA GRID K1 card. The storage supporting the envrironment consists of 2 Pure flash arrays in an Active Cluster configuration for high availability and a Reduxio array for third copy backup retention.

This is phase 1 of 2 in the vSphere environment refresh, the remaining SuperMicro hosts are scheduled to be replaced next fiscal year. Phase 2 will also include an increase in concurrent user licensing and NVIDIA GPUs.

Server models and specifications will be enterprise class and rated for performance and value amongst industry peers. Vendors will provide research on their proposed solution from independent industry analysis provided by Gartner, IDC, Forrester and/or other industry leading third party validation reports.

The selected vendor will possess and maintain all professional manufacturer and industry certifications and provide references upon request demonstrating successfully completed deployments of this size and nature.

BID SPECIFICATION

<u>MINIMUM HARDWARE SPECIFICATIONS:</u>

Individual Server Configuration - 4 servers total (Quantity per server):
● (1) Rack mountable server, fans and installation kit
● (2) Power supplies capable of supporting the requested hardware
● (2) Intel Xeon-G 6246 3.3GHz, 12 Core processors
● (32) 64GB Memory kits - 512GB total
● (2) NVIDIA Tesla T4 16GB with necessary GPU cabling/riser kits
● (4) 1Gb Ethernet ports
● (4) 10Gb SFP+ ports
● (1) 32GB microSD/USB RAID 1 boot drive
● Installation and configuration including planning session, racking, connecting new hosts, applying firmware updates, adding a Virtual Distributed Switch in vSphere and adding vSphere host profiles
● 3 year support (24x7) and hardware maintenance (Next Business Day) agreement

NOTE: All necessary network cabling to be provided by Stonignton Public Schools

<u>SOFTWARE</u>:

NVIDIA:
● (64) NVIDIA GRID Education Quad vDWS 1 CU (Concurrent User) <u>Perpetual</u>
● (64) NVIDIA GRID Education Quad vDWS Support, Updates, and Maintenance 1CU (Concurrent User) <u>5 Year Service</u>

VMware:
● VMware S&S 3yr Renewal Coverage: 10/1/2020 through 9/30/2023
   ○ (3) HZ7-ENC-100-G-SSS-A
   ○ (4) VR8-OSTC-P-SSS-A
   ○ (1) VCS7-STD-P-SSS-A
   ○ (4) VS7-EPL-P-SSS-A

DETAILED BREAKDOWN OF COSTS (Please illustrate when responding to RFP)

OTHER RELATED COSTS (EXPLAIN):

SOLUTION Q&A

Please answer and provide explanation to the following questions.

1. Briefly explain why Stonington Public Schools should choose your company and proposed solution.
2. Does the vendor have a current business relationship with the Town of Stonington or Stonington Public Schools?
3. Are you headquartered in CT?
4. Are your technicians certified to install and configure the requested servers?
5. Are the servers capable of running ESXi hypervisor under vSphere 6.7 management?
6. If awarded, can the deployment be completed in a 4-6 week window?

Questions about this proposal can be sent to Chris WIlliston
chris.williston@stoningtonschools.org.

AFTER REVIEW OF ALL FACTORS, INCLUDING TERMS, CONDITIONS, AND PRICE, STONINGTON PUBLIC SCHOOLS RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS, OR ANY PART THEREOF, OR WAIVE DEFECTS IN SAME, OR ACCEPT ANY PROPOSAL DEEMED TO BE IN THE BEST INTEREST OF THE TOWN OF STONINGTON.

ALL PROPOSALS ARE DUE 10/15/2020 AT 3:00PM.