



Orange Water and Sewer Authority

Request for Proposal for Equipment and Services
to provide:

Network Switch Replacement

Schedule	Date & Time (Eastern)
RFP Release Date	April 7 th , 2022
Intent to Bid Proposal Deadline	April 15 th , 2022 – 4:00pm
Proposals are Due	April 22 nd , 2022 - 4:00pm
Proposal Selected	April 29 th , 2022 – 12:01pm

Overview

The Orange Water and Sewer Authority (OWASA) is interested in soliciting proposals to replace various network switches and related items. The request is for the specified equipment and all related licenses (3-year terms), and all related professional services to configure and install the network switches.

About OWASA

OWASA is the public, not-for-profit agency providing water, wastewater, and reclaimed water services to the Carrboro-Chapel Hill communities in North Carolina. We have 142 authorized positions and are governed by a nine-member Board of Directors (Board).

We value our employees as our most important resource. We provide them competitive compensation and a safe and rewarding work environment that promotes diversity and equal opportunity for all.

Background

OWASA currently has a mixture of network switches from various vendors including Extreme, Cisco and Juniper. A number of these switches have been identified for replacement. OWASA has internally determined a solution based on Juniper equipment specifications. However, OWASA welcomes bids which include network switches from any manufacturer provided that said equipment is of equal or greater specification.

Project Summary

The project entails four primary deliverable categories. Specifics for each are identified in Appendix A.

1. Network switches and equipment as identified in Appendix A. Equipment proposed may be from any manufacturer provided equipment is of like or better capability/capacity.
2. All software licenses needed for switch configuration/management/operation for a term not less than three (3) years.
3. Hardware support for all network switches for a term not less than three (3) years and 8x5xNBD or better
4. All professional services needed to acquire, configure, deploy and verify operation thereof of all hardware and software. Equipment will be installed in various buildings at the main OWASA location at 400 Jones Ferry Road, Carrboro, NC and at the Wastewater Treatment Plant located on 170 Old Mason Farm Road, Chapel Hill, NC. Professional services include on-site installation.

Proposal

If your firm is interested in this opportunity, please submit a proposal expressing your interest and qualifications organized in the following manner: (all items are to be thoroughly answered for the proposal to be considered complete.)

Provide an electronic copy of the proposal (either through email or thumb drive) to include at a minimum:

1. Overview
2. Key Assumptions and Risk Factors
3. Contact List
4. Change Control Procedure
5. Scope of Service
6. Project Timeline
7. Detailed Pricing
8. If a manufacturer other than Juniper is selected, please include data sheets for all network switches.

Proposal not to exceed 12 pages excluding data sheets. Data sheets do not count towards the 12 page limit.

Proposals must be submitted and received by OWASA before April 22nd at 4:00pm EDT and addressed to:

Daniel Przybyl
Director of Information Technology
400 Jones Ferry Road | Carrboro, NC 27510
Office: (919) 537-4222
Email: dprzybyl@owasa.org

Process and Basis for Selection of Consultant

1. Any questions concerning the RFP should be provided to dprzybyl@owasa.org
2. Intent to bid should be provided to dprzybyl@owasa.org. Answers to any questions submitted by any vendor will be provided to all vendors that have expressed an Intent to Bid. Intent to Bid notification is not required to submit a bid but is required to receive and questions and answers submitted by other vendors.
3. Bids must be received no later than 4:00PM EDT April 22, 2022.
4. Please note that no public opening of the proposals will take place.
5. OWASA will select the consultant whose proposal and qualifications best match our needs.
6. The evaluation will include, but not limited to:

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- a. OWASA's evaluation of the equipment proposed;
- b. Qualifications and experiences of the bidder;
- c. Compatibility of the technical solution with OWASA's technology environment and staff.
- d. Pricing

The proposals will be reviewed by Information Technology Staff. Selection will be completed by 12:01PM April 29, 2022.

Contract

A scope of work for services will be jointly developed by OWASA and the consultant.

Questions

Any questions shall be directed to Daniel Przybyl, Director of Information Technology, 919-537-4222 or dprzybyl@owasa.org.

Appendix A

Components Desired

1. Campus Access Switch, Layer 2/3 support, 48 port 10/100/1000 BASE-T, 2-4 port 10Gb SFP+ uplink, PoE, stacking capable.
2. Campus Access Switch Layer, 2/3 support, 24 port 10/100/1000 BASE-T, 2-4 port 10Gb SFP+ uplink, PoE, stacking capable
3. Compact Access switch, Layer 2/3 support, 12-16 port 10/100/1000 BASE-T, 2 port 10Gb SFP+ uplink, PoE capable
4. High performance datacenter switch, Layer 2/3 support, fixed configuration, 24 port 10/100/1000 BASE-T, 2-4 port 10Gb SFP+, 2-4 port 25 Gbps QSFP+ uplinks. Dual Power supplies.
5. High performance datacenter switch, Layer 2/3 support, modular configuration 24 port 1Gb/10GB SFP/SFP+, QSFP+ uplinks, stacking capable. Dual Power supplies.
6. Layer 3 branch Router/Gateway
7. All accessories: rack mount kits, uplink cables, transceivers, etc.
8. Configuration management and monitoring platform

The table below shows the Juniper models which meet or exceed the above specifications, including quantities desired. This list serves as an example bill of materials. As stated earlier in the background section of this RFP, OWASA welcomes bids from other manufacturers with equivalent capabilities.

Qty	Part No.	Description
9	EX3400-48P	48PORT EX3400 10/100/1000BASE-T PERP POE+ 4X1/10G SFP/SFP+ 2X40G QSFP+
9	CBL-PWR-C13-US-48P	2.5M STRAIGHT C13 15A/125V CABL POWER CORD AC US/CANADA
9	JPSU-920-AC-AFO	EX3400 920W AC PS FRONT-TO-BACKPWR AIRFLOW PWR CORD ORDERED SEPARATELY
4	EX3400-24P	24PORT EX3400 10/100/1000BASE-T PERP POE+ 4 X 1/10G SFP/SFP+ 2X40G QSFP+
4	CBL-EX-PWR-C13-US	US POWER CABLE CABL
4	JPSU-600-AC-AFO	EX3400 600W AC POWER SUPPLY PWR FRONT-TO-BACK AIRFLOW POWER CORD
12	EX2300-C-12P	EX2300 12PORT COMPACT FANLESS PERP 10/100/1000BASE-T POE+ 2X1/10G SFP/
2	SRX345-SYS-JB-2AC	SRX345 SVCS GATEWAY INCL HW PERP 16GE 4X MPIM SLOTS 4G RAM 8G FLASH
2	SVC-SD-SRX345B2A	US - 3 YEAR - SVC-SD-SRX345B2A
1	EX4600-40F-AFO	EX4600 24SFP+/SFP PORTS 4QSFP+ PERP 2 EXPANSION SLOTS RED FANS, 2AC PS
1	SVC-SD-EX460040F	US - 3 YEAR - SVC-SD-EX460040F
2	EX4600-EM-8F	8PORT SPF+/SFP EXPANSION MODULECPNT
2	EX4300-24P	24PORT WEB MNG 10/100/1000 PERP POE++ 715W AC ENET STACKABLE RJ45

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2	CBL-EX-PWR-C13-US	US POWER CABLE CABL
2	JPSU-715-AC-AFO	715W AC PWR SUP FRONT TO BACK PWR AIRFLOW FOR EX4300
2	SVC-ND-EX4300P24	US - 3 YEAR - SVC-ND-EX4300P24
1	EX2300-C-RMK	RACK MOUNT KIT FOR EX2300-C RMKT
4	EX-SFP-10GE-DAC-1M	1M SFP+ 10 GIGABIT ETHERNET CABL ATTACH COPPER TWINAX COPPER CABLE
4	EX-SFP-10GE-DAC-3M	3M SFP+ 10 GIGABIT ETHERNET CABL ATTACH COPPER TWINAX COPPER CABLE
2	JNP-QSFP-DAC-5M	5M PASSIVE QSFP+ TO QSFP+ ENET CABL DIRECT ATTACH COPPER TWINAX CABL
10	EX-QSFP-40GE-DAC-50 CM	QSFP+ TO QSFP+ 40GB ENET DIRECTCABL ATTACH COPPER TWINAX COPPER CABLE
2	S-SD-1-C-1	S-SD-1-C-1
9	SUB-EX48-2S-3Y	3YR / 2 SVC WIRED ASSURANCE SUBSVCS FOR EX48PORT SWITCH
12	SUB-EX12-2S-3Y	3YR / 2 SVC WIRED ASSURANCE SUBSVCS FOR EX12PORT SWITCH
6	SUB-EX24-2S-3Y	3YR / 2 SVC WIRED ASSURANCE SUBSVCS FOR EX24PORT SWITCH
5	SUB-EX48-2S-3Y	3YR / 2 SVC WIRED ASSURANCE SUBSVCS FOR EX48PORT SWITCH
2	S-SRX-S-C2-3	3YR STD WAN C2 SRX340/SRX345 CLDS
18	EX-SFP-10GE-LR-ENC	SMF SFP+ 1310NM 10KM 10GBASE-LRPERP LC JUNIPER