Network Switches and Cabling Phase I (Submission deadline is 12 p.m. CDT on July 10, 2020)

Purpose

The purpose of this Request for Proposal (RFP) is to solicit proposals from qualified vendors to upgrade access layer network switches, battery backups and access points in multiple locations.

Overview

The Colby Community College (CCC) network experienced several outages over the years due to hub and spoke system design with single point of failure being the single switch and single fiber uplink. CCC deployed 24

that remains to be a single point of failure.

Locations

Location: H.F. Davis Memorial Library, IT Department Core Switch

48 x 1Gbps SFP ports layer 3 managed switch, LAG/LACP capable, QSFP+ 40G/100G stackable

48 x 10Gbps SFP+ ports layer 3 managed switch, LAG/LACP capable, QSFP+ 40G/100G stackable

48 x 10GBaseT layer 3 managed switch, LAG/LACP capable, QSFP+ 40G/100G stackable

33,000BTU Air conditioning unit designed for IT data center cooling of switches and four racks of servers

2 x 10,000VA 208/240V single phase online battery backup unit with 1 hour runtime for protecting switches and servers

Location: H.F. Davis Memorial Library

134 ports (68 POE+, 66 data access)

2 x 48 port 1Gigabit ethernet/2.5 Gigabit ethernet layer 2 managed switch, support Wifi6 AP's, POE+, 10Gbps uplinks LAG/LACP capable, stackable

2 x 48 port 1Gigabit ethernet layer 2 managed switch, support Wifi6 AP's, POE+, 10Gbps uplinks LAG/LACP capable, stackable

Nine POE+ 802.11AC Wave 2 access points

Location: Administration

54 ports (30 POE+, 24 data access)

1 x 48 port 1Gigabit ethernet/2.5 Gigabit ethernet layer 2 managed switch, support Wifi6 AP's, POE+, 10Gbps uplinks LAG/LACP capable, stackable

1 x 48 port 1Gigabit ethernet layer 2 managed switch, support Wifi6 AP's, POE+, 10Gbps uplinks LAG/LACP capable, stackable

Three POE +802.11AC Wave 2 access points

Location: Thomas Hall

100 ports (68 POE+, 32 data access)

1 x 48 port 1Gigabit ethernet/2.5 Gigabit ethernet layer 2 managed switch, support Wifi6 AP's, POE+, 10Gbps uplinks LAG/LACP capable, stackable

 2×48 port 1Gigabit ethernet layer 2 managed switch, support Wifi6 AP's, POE+, 10Gbps uplinks LAG/LACP capable, stackable

Nine POE+ 802.11AC Wave 2 Access Points

Location: Student Union

170 ports (96 POE+, 74 data access)

1 x 48 port 1Gigabit ethernet/2.5 Gigabit ethernet layer 2 managed switch, support Wifi6 AP's, POE+, 10Gbps uplinks LAG/LACP capable, stackable

3 x 48 port 1Gigabit ethernet layer 2 managed switch, support Wifi6 AP's, POE+, 10Gbps uplinks LAG/LACP capable, stackable

Nine POE+ 802.11AC Wave 2 Access Points

Location: Bedker Memorial Complex

156 ports (59 POE+, 97 data access)

 $1\ x\ 48\ port\ 1Gigabit\ ethernet/2.5\ Gigabit\ layer\ 2\ ethernet\ managed\ switch,\ support\ Wifi6\ AP's,\ POE+$, $10Gbps\ uplinks\ LAG/LACP\ capable,\ stackable$

3 x 48 port 1Gigabit ethernet layer 2 managed switch, support Wifi6 AP's, POE+, 10Gbps uplinks LAG/LACP capable, stackable

Ten POE+ 802.11AC Wave 2 Access Points

Location: Ferguson Hall

120 ports (49 POE+, 70 data access)

1 x 48 port 1Gigabit ethernet/2.5 Gigabit ethernet layer 2 managed switch, support Wifi6 AP's, POE+, 10Gbps uplinks LAG/LACP capable, stackable

2 x 48 port 1Gigabit ethernet layer 2 managed switch, support Wifi6 AP's, POE+, 10Gbps uplinks LAG/LACP capable, stackable

Eight POE+ 802.11AC Wave 2 Access Points

Exclusions

Any project exclusions or any portion of the proposal that cannot be provided must be disclosed in an area labeled exclusions.

Deadline for Proposals

Proposals will be received to the Vice President of Business Affairs, Carolyn Kasdorf, carolyn.kasdorf@colbycc.edu, until Friday, July 10, 2020, by 2:00 PM. Electronic submissions via email will be accepted or submission can be mailed to 1255 S Range, Colby, KS 67701 Attention: Carolyn Kasdorf.

Vendors are required to prepare and submit, at their own cost, one signed original proposal. Submission must include the Vendor's full response including all attachments, product services and specifications. Electronic submission must be PDF or Microsoft Word format.

Award Date

The Board meeting will be held on