

E-Rate Cat-2 2019 Equipment Requirements

Site: Hafen Elementary

7120 S. Hafen Ranch Rd. Pahrump, NV 89061

WIRELESS

Project Description: Deliver nineteen (19) units of the compatible equipment, all product documentation, mounting hardware for drop-ceiling deployment, list of serial and MAC values, and send out with latest long-term-release firmware installed. In-house IT dept. will deploy and program.

Justification: Entire NCS D wireless infrastructure is Aruba and Aruba Instant controller is used for management. If proposing a product other than our existing infrastructure, please provide an explanation of how this will be implemented and work with our existing deployment and provide a single unified interface for management at each specific site. If certification or training is required to utilize the new equipment, please provide a cost per employee for training and certification.

1.	Mod 88B	11.	Rm 102
2.	Rm 151	12.	Rm 124
3.	Rm 154	13.	Rm 122
4.	Rm 146	14.	Rm 120
5.	Rm 155	15.	Rm 118
6.	Rm 145	16.	Rm 111
7.	Library	17.	Rm 116
8.	Stage	18.	Rm 113
9.	Staff Area	19.	Rm 115
10.	Rm 125		

E-Rate Description: Wireless AP Aruba IAP-325-US or equivalent which provides support for both the 5Ghz and 2.4Ghz bands and 802.11a/g/n/ac technologies.

Qty Requested = 19

Vendor Selection

AP Hardware Qty Make and Model Unit Price \$

Add'l Hardware Qty Make/Model/Desc Unit Price \$

Add'l Hardware Qty Make/Model/Desc Unit Price \$

Project Labor Total Cost \$ Or Qty X Unit Price \$

Notes:

Section Total \$

Check here if additional information is attached.

SWITCHING

Project Description: Deliver to central staging site seven (7) or more switches, depending on bid cost, of the compatible equipment with all product documentation, rack mounting hardware, and all appropriate licensing. For each switch include at least two 1G Fiber SFP modules, and if switch contains at least 4 SFP ports additionally include two 1G Ethernet SFP modules as described.

Bid to have on-site tech, unbox the units, mount the rack hardware, update the firmware to the latest long-term-release, load with a simple staging configuration that we provide, and deliver to main MDF of school site so In-house IT staff can rack and configure.

Justification: Entire NCSD routing and switching infrastructure is Cisco. If proposing a product other than our existing infrastructure, please provide an explanation of how this will be implemented and work with our existing deployment and any costs required to migrate the network to any non-Cisco standards like OSPF. If certification or training is required to utilize the new equipment, please provide a cost per employee for training and certification.

E-Rate Description: Cisco 2960X-48FPS-L or equivalent that provides close to 48 ports, and includes at least 2 1Gb Fiber modules and possibly 2 1G Ethernet modules, and additionally supports POE IEEE 802.3af (up to 15.4W) on all ports and can support up to 24 ports with 802.3at/POE+ (up to 30W)

Qty Requested = 7

Vendor Selection

Base Hardware Qty	Make/Model/Desc			Unit Price \$
Add'l Hardware Qty	Make/Model/Desc			Unit Price \$
Add'l Hardware Qty	Make/Model/Desc			Unit Price \$
Add'l Hardware Qty	Make/Model/Desc			Unit Price \$
Project Labor Total Cost \$	Or	Qty	X	Unit Price \$

Notes:

Section Total \$

Check here if additional information is attached.

HAFEN ELEMENTARY SCHOOL
 7120 S. Hafen Ranch Rd., Pahrump, NV 89061
 775-751-4688



Hafen Wireless Project 2019



x = existing



Hafen Ranch Road

- ① 88b
- ② 151
- ③ 154
- ④ 146
- ⑤ 155
- ⑥ 145
- ⑦ 138/Library
- ⑧ 184/Stage
- ⑨ Staff area
- ⑩ 125
- ⑪ 102
- ⑫ 124
- ⑬ 122
- ⑭ 120
- ⑮ 118
- ⑯ 111
- ⑰ 116
- ⑱ 113
- ⑲ 115