

NOTICE

**SCHOOL DISTRICT OF NEW GLARUS
BOARD OF EDUCATION
FACILITIES, TRANSPORTATION AND TECHNOLOGY COMMITTEE MEETING
MONDAY, APRIL 11, 2016
HIGH SCHOOL CONFERENCE ROOM
6:30 PM**

AGENDA

- I. **CALL MEETING TO ORDER - PAUL EICHELKRAUT**
- II. **REFERENDUM UPDATE**
- III. **SHORT-TERM FACILITIES PLAN** 2
- IV. **E-RATE TECHNOLOGY BIDS** 3
- V. **CHROMEBOOK BIDS** 5
- VI. **LAPTOP BIDS**
- VII. **ADJOURN**

POSTED :

NG HIGH SCHOOL
NG MIDDLE SCHOOL
NG ELEMENTARY SCHOOL
NG POST OFFICE
BANK OF NEW GLARUS
UB&T BANK OF NEW GLARUS
ANCHOR BANK OF NEW GLARUS

PURSUANT TO APPLICABLE LAW, NOTICE IS HEREBY GIVEN THAT A QUORUM OR A MAJORITY OF THE NEW GLARUS SCHOOL DISTRICT BOARD MEMBERS MAY ATTEND THIS MEETING. INFORMATION PRESENTED AT THIS MEETING MAY HELP FORM THE RATIONALE BEHIND FUTURE ACTIONS THAT MAY BE TAKEN BY THE NEW GLARUS SCHOOL DISTRICT BOARD.

2015-16 Short Term Facilities Plan					
2015-16 Projects	Title	Cost	Funding Source	Notes/Estimates	
ES-EE-7	Exterior Lighting Upgrades - EI	\$9,500	District		
MHS-EE-5	Exterior Lighting Upgrades - HS		District		\$35,293
ES-EE-1	Electrical Distribution Upgrades - EI		District		\$78,485
PRA #8 EI	Elementary Bleachers	\$60,000	District	Done	
ES-DM-3 and MHS-DM-3	Painting - Fence and Elementary		District		\$25,000
	HS and Elem Gym Floor Refinishing	\$30,000	District	Done	
	Elem 3/4 Hall to Gym - Replace with Crash Doors	\$3,800	District	Done	
	Put in Swipe Card Reader for Elem Cafe to 1/2, 3/4	\$2,000	District	Done	
	Upgrade Toilet Rooms by Cafeteria - Partitions	\$6,000	District	Done	
	Upgrade Toilet Rooms in Back Hallway - Partitions	\$6,000	District	Done	
	Fence along MS Driveway	\$6,500	District	Done	
ES-EE-3 and PRA #22 EI	Emergency Generator - Elem		District		\$70,000
	Music Room Carpet Elementary	\$5,600	District	Done	
	Fencing - Elementary and Football Field				\$25,000
	Softball Field		District		\$50,000
	Push Through Emergency Gates - Elem Playground and Football Field	\$8,000	District	Done	
	Swipe Card Reader - MPR Equipment Room	2,750	District	Done	
	Update bathrooms (countertops, etc.)		District		\$30,000
	Update FACS room (countertops, etc.)		District		\$10,000
	Update Art Room (countertops, cupboards etc.)		District		\$15,000
	Blacktop graveled areas at elementary				\$100,000
Total		\$140,150			\$283,778
Total 2015-16 Capt Maintenance Budget: \$491,912					

SWITCH AND WIRELESS UPGRADE 2016-2017

	Web Filter	Firewall	Wireless	Switches	Professional Services	Network Cost	Cabling	Total Project Cost
<i>Current</i>	<i>Barracuda</i>	<i>Cisco ASA5510</i>	<i>95 Wireless Access Points in district</i>	<i>20 switches (16 used)</i>				
<i>E-Rate</i>		<i>No particular brand</i>	<i>Filed E-Rate for 125 WAPs</i>	<i>Filed E-Rate for up to 20 new switches</i>				
PDS		\$10,776	\$45,117	\$69,375	\$16,100	\$141,368	\$48,500	\$189,868
We have worked with PDS in the past with device purchases. Engineers have been on site to do review of our network and hardware on a couple of different occasions.		Fortigate 300D	Aruba - owned by HP	HP Switches				
		Firewall, Web Filter solution. 3 year contract for UTM Bundle	125 Wireless Access Points Classroom WAPs = \$298.92 each; Includes support for 1 year from Aruba	Currently have HP switches in the district	Integration of wireless, firewall switches			
Camera Corner Connecting Point		\$6,347	\$46,747	\$54,011	\$10,000	\$117,105		
CCCP did the install and configuration of switches in the Middle School addition. We have also worked with them on VEEAM (server backup) and web filter solution.		Fortigate 500D	Ruckus	HP				
		Firewall, Web Filter solution. 1 year contract for UTM Bundle.	125 Wireless Access Points Classroom WAPs = \$339 each; This system would provide (2) on-site controllers for redundancy similar to our current environment.	Currently have HP switches in the district; did not include the	Integration of wireless, firewall switches			
Direct Networks		\$23,038	\$77,450	\$93,984	\$13,750	\$208,222	\$45,263	\$253,485
Direct Networks is currently the consultant we work with when we have any big network or application issues. We have worked with them the past 3 years.		Cisco Meraki Firewall	Meraki	Meraki				
		Unified Threat Management (UTM) appliance to do firewall and web filtering; includes 5 year licensing and maintenance	125 Classroom WAPs = \$439.60; includes 5 year license		Integration of wireless, firewall switches			
The Office Technology Group		\$8,348	\$66,000	\$60,927	\$18,625	\$153,900	\$38,471	\$192,371
Work with Mischicot School District, Denmark School District.		Fortigate 500D	Xirrus	Juniper				
		Firewall/web filtering solution; 3 year contract	125 Classroom WAPs = \$500;		Integration of wireless, firewall switches			
Insight						\$0		\$0
		Palo Alto	Meraki and Ruckus	Cisco				
					Integration of wireless, firewall switches			
MISC	\$9,070	\$11,570				\$11,570		
	Smoothwall	Smoothwall						

SWITCH AND WIRELESS UPGRADE 2016-2017									
	Web Filter	Firewall	Wireless	Switches	Professional Services	Network Cost	Cabling		Total Project Cost
	Web Filtering only. Can be paid in 3 equal installments of \$3784	Both web filtering and firewall. \$5500 of total would be e-rateable. Can be paid in 3 equal installments of \$4242							
RECOMMENDATION:	<p>We entered this process with our wireless hardware nearing an obsolete usage period with minimum ability to upgrade to otherwise. The state has suggested bandwidth that we are currently behind because the equipment we use now cannot handle more data information. Of the vendors above, there were two that met our needs (PDS and Camera Corner) with firewall/filter, switches, and install). In comparing the two, PDS has better prices with all the products (top-of-the-line) we are requesting at a lower cost. Another factor is that Camera Corner would not install the cabling which would require the district to contract that task out as well. END RECOMMENDATION: PDS</p>								

CHROMEBOOKS 2016-2017

4/8/2016

	TECHNOLOGY RESOURCE ADVISORS						
	qty	device cost	Google mgt license	case	total cost		
Chromebooks K-2	Acer C738T (Touchscreen)	180	\$281.00	\$25.00	\$55,080.00		
Chromebooks 5th, 8th	Acer C740-C4PE	150	\$224.00	\$0.00	\$14.97	\$35,845.50	
TOTALS					330	\$90,925.50	\$275.53

	DELL						
	qty	device cost	Google mgt license	case	total cost		
	Dell 11 Touch	180	\$230.00	\$24.00	\$45,720.00		
	Dell 11	150	\$186.00	\$0.00	\$14.97	\$30,145.50	
TOTALS					330	\$75,865.50	\$229.90

	TECHNOLOGY RESOURCE ADVISORS						
	qty	device cost	Google mgt license	case	total cost		
Chromebooks K-2	Acer C738T (Touchscreen)	180	\$281.00	\$25.00	\$55,080.00		
Chromebooks 5th, 8th	HP Chromebook 11	150	\$205.00	\$0.00	\$14.97	\$32,995.50	
TOTALS					330	\$88,075.50	\$266.90

	PDS						
	qty	device cost	Google mgt license	case	total cost		
	Acer C738T (Touchscreen)	180			\$0.00		
	Acer C740-C4PE	150			\$0.00		
TOTALS					330	\$0.00	\$0.00

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LAPTOPS 2016-2017

STAFF LAPTOPS

Vendor	Model	Qty	Price	Total
PDS	HP 250 G4	30	\$469.00	\$14,070.00
School Tech Supply	Lenovo ThinkPad E550	30	\$609.00	\$18,270.00
Dell	Dell Latitude E3570	30	\$555.99	\$16,679.70

PLTW LAPTOPS

Vendor	Model	Qty	Price	Total
PDS	HP ProBook 470 G3	30	\$852.00	\$25,560.00
Dell	Dell Precision 3510	30	\$907.00	\$27,210.00
Amazon	Lenovo ThinkPad E550	30	\$742.00	\$22,260.00

RECOMMENDATION:

In comparing the devices in regards to both the chromebooks for 1:1 and the laptops needed for the Project Lead the Way Classes, as well as the staff laptops; the quality of the products were equal in durability and processing (specifications). The determining factor came down to cost. **RECOMMENDATION: CHROMEBOOKS (DELL), PLTW LAPTOPS (PDS), STAFF LAPTOPS (Amazon)**