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	A	B	C	D	E	F	G	H	I
1	FY 2019 CAPITAL BUDGET REQUESTS								
2	BUILDING REPAIRS/IMPROVEMENTS								
3	(LONG TERM DEBT)								
4				<u>(000's)</u>					
5									
6				<u>Original</u>		<u>Superintendent's</u>			
7				<u>Request</u>		<u>Request</u>			
8									
9			CHS Roof Top Unit #11	\$123		123			
10			CHS/GMS Wifi Backbone	\$150		150			
11									
12									
13						\$273			
14									
15									
16									
17									
18									
19			FY19 GRAND TOTAL LONG TERM DEBT	\$273		\$273			
20									
21									
22									
23									
24			5-YEAR DEBT CAPITAL PLAN (2019 thru 2023)						
25			CAPITAL CAPACITY PLANNED USE (in thousands)						
26									
27				<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>TOTAL</u>
28									
29			DEBT CAPITAL ALLOCATION						
30									
31									
32			SCHOOL COMMITTEE ALLOCATION	\$1,250	\$350	\$288	\$350	\$1,000	\$3,238
33									
34			GMS Interior Improvements		\$288				\$288
35			GMS Roof Repair and Replacement			\$1,250			\$1,250
36			Brick Repointing - DW			\$500			\$500
37			Memorial Field Bleachers and Press Box		\$350				\$350
38			Luce Roof Replacement - Partial					\$540	\$540
39			CHS/GMS Wifi Backbone	\$150					\$150
40			CHS Roof Top Unit #11	\$123					\$123
41				\$273	\$638	\$1,750	\$0	\$540	\$3,201
42									
43			Unused Balance	\$977	-\$288	-\$1,462	\$350	\$460	\$37

Section 6 – Building Improvements, Long Term Debt

LTD1-LTD2 CHS Roof Top Unit #11

LTD3-LTD14 CHS/GMS Wifi Backbone

**TOWN OF CANTON
FORM B - FISCAL 2019
CAPITAL PROJECT / EQUIPMENT REQUEST**

DEPARTMENT: Canton High School	SUBMITTED BY: Brian Lynch
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PROJECT / EQUIPMENT TITLE:
Replace roof top unit 11

TOTAL PROJECT / EQUIPMENT COST (must be at least \$5,000):
\$123,000

DESCRIPTION:
Replace roof top unit number 11 which handles tv studio, some interior classrooms spaces in the B-building of the school.

PURPOSE AND JUSTIFICATION:
This unit we are starting to notice it breaking down more frequently in regard to the motors and controls.

NEED CLASSIFICATION: *(Check all that apply)*

Required for Safety

Required by Law or Mandate

Improve/Expand Service or Increase Efficiency

Planned Project or Replacement

Unplanned Project or Replacement

New Project/Item (not on last year's 5-Yr. Plan)

Departmental Priority Ranking:
Please rank this request out of your total requests for this year: (#1 as top priority)

_____ (#) OF _____ (#)

Expected Useful Life: (Check one)

20 or More Yrs 5 to 9 Years

10 to 19 Years 3 to 4 Years

Impact to Dept. Operating Budget: *(Check one)*

Will Reduce Cost by \$ _____

No Impact

Will Increase Cost by \$ _____

Revenue Impact: *(Check one)*

Will Produce Addl Revenue by \$ _____

Revenue Neutral (no impact)

Will Decrease Revenue by \$ _____

OTHER COMMENTS OR INFORMATION: *(Attach supporting documentation)*



Commercial Boiler Systems, Inc.

Mechanical Contractors

October 17, 2017

Mr. Brian Lynch
Canton Public Schools
960 Washington Street
Canton, MA 02021

Re: Canton High School RTU Replacement Budgeting Estimate

Dear Brian,

We are pleased to provide this budgeting estimate for replacement of Package Rooftop Units (RTU) at the Canton High School.

The scope of work will include the replacement of RTUs 4, 8, and 11. The scope will include disconnection and removal by crane of the existing RTUs. The new RTUs will be craned into place, connected, tested, and commissioned. New disconnects and electrical outlets will be provided at each unit. The pricing provided is inclusive of parts, labor, and rigging.

RTU Number	Cost
RTU 4	\$ 160,000
RTU 8	\$ 110,000
RTU 11	\$ 115,000

Thank you for the opportunity to quote this project. If you have any questions or I can be of further assistance please give me a call. I look forward to speaking with you soon.

Sincerely,

Robert W. Lee
President

Please Note: This price does not include any removal of asbestos, lead or other hazardous material, if required. All prices are valid for 30 days from date of quotation and are for normal business hours. At the clients request we will provide you with a quotation for off hour rates.

**TOWN OF CANTON
FORM B - FISCAL 2019**

CAPITAL PROJECT / EQUIPMENT REQUEST

DEPARTMENT: Technology	SUBMITTED BY: Mike Wentland Technology Administrator
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PROJECT / EQUIPMENT TITLE:
10GB PoE WiFi Backbone Infrastructure

TOTAL PROJECT / EQUIPMENT COST (must be at least \$5,000):
\$150,613

DESCRIPTION:
To increase High School & Middle School IDF's (Intermediate Distribution Frame) connections to MDF (Main Distribution Frame) from 1GB Frame to 10GB Frame

PURPOSE AND JUSTIFICATION:
With increase BYOD initiatives, increased WiFi teacher learning devices in the advancement of curriculum, we need to stay current with WiFi technologies and maintain proper WiFi infrastructure to do so. This technology will increase Wireless PoE traffic by 10x per switch to MDF's and Ruckus Wave 2 Access Point Technologies. In short, more users can be support with better performance from a single lane to a Multi Lane traffic.

<p>NEED CLASSIFICATION: <i>(Check all that apply)</i></p> <p><input type="checkbox"/> Required for Safety</p> <p><input type="checkbox"/> Required by Law or Mandate</p> <p><input type="checkbox"/> Improve/Expand Service or Increase Efficiency</p> <p><input checked="" type="checkbox"/> Planned Project or Replacement</p> <p><input type="checkbox"/> Unplanned Project or Replacement</p> <p><input type="checkbox"/> New Project/Item (not on last year's 5-Yr. Plan)</p>	<p>Departmental Priority Ranking: <i>Please rank this request out of your total requests for this year: (#1 as top priority)</i></p> <p style="text-align: center;">_____ 1 (#) OF _____ 7 (#)</p> <p>Expected Useful Life: <i>(Check one)</i></p> <p><input type="checkbox"/> 20 or More Yrs <input checked="" type="checkbox"/> 5 to 9 Years</p> <p><input type="checkbox"/> 10 to 19 Years <input type="checkbox"/> 3 to 4 Years</p>
---	---

<p>Impact to Dept. Operating Budget: <i>(Check one)</i></p> <p><input type="checkbox"/> Will Reduce Cost by \$ _____</p> <p><input checked="" type="checkbox"/> No Impact</p> <p><input type="checkbox"/> Will Increase Cost by \$ _____</p>	<p>Revenue Impact: <i>(Check one)</i></p> <p><input type="checkbox"/> Will Produce Addl Revenue by \$ _____</p> <p><input checked="" type="checkbox"/> Revenue Neutral (no impact)</p> <p><input type="checkbox"/> Will Decrease Revenue by \$ _____</p>
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OTHER COMMENTS OR INFORMATION: *(Attach supporting documentation)*

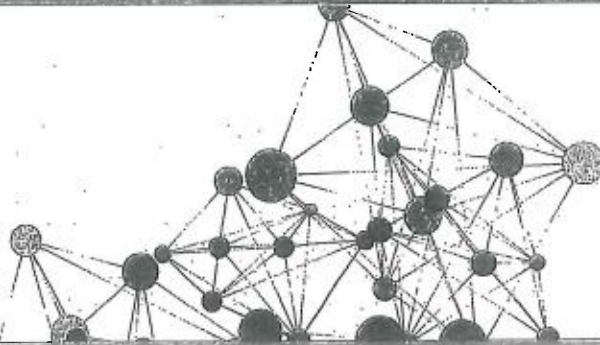


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and find out.



We have prepared a quote for you

Product and Services

Quote #006848

Version 1

Canton Public Schools


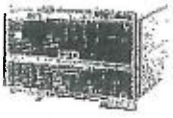



LTD-4







Main: 877-329-0434
 Fax: 508-463-0546
 Email: wayne@unifieditsupport.com
 Web: www.UnifiedITSupport.com




Prepared For
 Canton Public Schools
 Mike Wentland
 960 Washington Street
 Canton, MA 02021
 wentlandm@cantonma.org
 (781) 821-5060

Prepared By
 Wayne Audette
 Phone: 508-597-8080
 Email: wayne@unifieditsupport.com

High School Core		Price	Qty	Extended
	HP E5406 z1 Switch Chassis - Manageable - 6 x Expansion Slots - 4 Layer Supported - 4U High - Rack-mountableLifetime Limited Warranty	\$3,522.37	1	\$3,522.37
	HP 8 Ports 1G/10GbE SFP+ MACsec v3 z12 - For Data Networking, Optical NetworkOptical FiberGigabit Ethernet, 10 Gigabit Ethernet - 10GBase-X - 10 Gbit/s - 8 x Expansion Slots - SFP+	\$4,223.54	2	\$8,447.08
	HP 5400R 1100W PoE+ z12 Power Supply - 1.10 kW - 120 V AC, 230 V DC	\$1,081.63	2	\$2,163.26
	HP ProCurve 10GBase-LRM SFP+ Transceiver - 1 x 10GBase-LRM	\$589.63	12	\$7,075.56
	HP 5400R z12 Management Module - For Network Management	\$2,199.34	1	\$2,199.34
	Tripp Lite 2M Duplex Multimode 62.5/125 Fiber Optic Patch Cable LC/SC 6' 6ft 2 Meter - LC Male - SC Male - 6.56ft	\$47.96	12	\$575.52

LTD-5

High School Core		Price	Qty	Extended
	HP ProCurve Direct Attach Cable - SFP+ - SFP+ - 3.28ft	\$45.29	2	\$90.58
	Aruba 2930M 24 Smrt Rte PoE+ 1s Swch	\$8,100.05	1	\$8,100.05
	HP Aruba 3810M 4SFP+ Module - For Data Networking, Optical NetworkOptical Fiber10 Gigabit Ethernet - 10GBase-X4 x Expansion Slots - SFP+	\$1,083.53	1	\$1,083.53
	HP ProCurve Direct Attach Cable - SFP+ - SFP+ - 9.84ft	\$117.98	2	\$235.96
High School Core Subtotal				\$33,493.25

HS IDF 2723		Price	Qty	Extended
	Aruba 2930M 24 Smrt Rte PoE+ 1s Swch	\$8,100.05	1	\$8,100.05
	HP Aruba 3810M 4SFP+ Module - For Data Networking, Optical NetworkOptical Fiber10 Gigabit Ethernet - 10GBase-X4 x Expansion Slots - SFP+	\$1,083.53	1	\$1,083.53
	HP ProCurve 10GBase-LRM SFP+ Transceiver - 1 x 10GBase-LRM	\$589.63	2	\$1,179.26

LTD-6