

GREENWICH BOARD OF EDUCATION										
IP-PBX, UCC SPECIFICATION										
Description	Greenwich HS	Board of Education	Western MS	Central MS	Eastern MS	Riverside ES	Parkway ES	Dundee ES	Julian Curtis ES	New Lebanon ES
Survivable Remote	Survivable Remote	Survivable Remote	Survivable Remote	Survivable Remote	Survivable Remote	Survivable Remote	Survivable Remote	Survivable Remote	Survivable Remote	Survivable Remote
Total w Analog, Faxes, Modems, Conf Phones	352	107	85	79	87	54	52	54	47	39
50% Growth Factor (Capacity ONLY)	528	161	128	119	130	80	78	80	71	59
Trunks										
PRI	3	1	0	0	2	0	0	0	0	0
SIP Trunking (external - OPTION - Add'l Ports for BOE)	136	136								
SIP Trunking (OnNet, as applicable)	123	37	30	28	30	19	18	19	16	14
SIP Ports for Emergency Notification (OPTION)	50	50	--	--	--	--	--	--	--	--
Analog CO trunks (for gateways)	4	4	2	2	2	2	2	2	2	2
QSIG Trunks (T1 integration to legacy Mile)	24	0	0	--	--	--	--	--	--	--
Stations										
Stations - Exec SPF, display, color screen (10/100 with OPTION for GB)	0	0	0	0	0	0	0	0	0	0
Stations - Admin1 - 8-10 line, display, speakerphone (10/100 with OPTION for GB)	268	52	68	62	71	41	38	42	36	27
Admin 1A - 2-4 line, display (10/100 with OPTION for GB)	48	5	9	10	10	8	10	6	8	8
Stations - Admin2 - 30-40 line, display (10/100 with OPTION for GB)	29	49	8	7	6	5	4	6	3	4
- Add-On Mod 48 key for above	2	0	0	0	0	0	0	0	0	0
Console	1	1	0	0	0	0	0	0	0	0
Conference Speakerphone	4	0	0	0	0	0	0	0	0	0
Analog Single Line Set (SIP optional)	0	0	0	1	0	0	0	0	0	0
Fax machines	10	7	0	0	0	0	0	0	0	0
Modems	0	0	0	0	0	0	0	0	0	0
Wireless handsets (802.11xx) - WAPs not incl	0	0	0	0	0	0	0	0	0	0
Remote Sets (hardphones - assume Admin 1)	0	0	0	0	0	0	0	0	0	0
Call Center sets w/Visual Display	0	0	0	0	0	0	0	0	0	0
TOTAL - IP Phones										
	352	107	85	79	87	54	52	54	47	39
- Analog Phones (Faxes, Modems, Analog)										
	10	7	0	1	0	0	0	0	0	0
TOTAL SETS	362	114	85	80	87	54	52	54	47	39

GREENWICH BOARD OF EDUCATION																				
IP-PBX, UCC SPECIFICATION																				
Description	Greenwich HS		Board of Education		Western MS		Central MS		Eastern MS		Riverside ES		Parkway ES		Dundee ES		Julian Curtis ES		New Lebanon ES	
	Survivable Remote	Remote	Survivable Remote	Remote	Survivable Remote	Remote	Survivable Remote	Remote	Survivable Remote	Remote	Survivable Remote	Remote	Survivable Remote	Remote	Survivable Remote	Remote	Survivable Remote	Remote	Survivable Remote	Remote
Equipped (licenses, cards as required)																				
IP/SIP stations	1,443	1	1,443	8	--	0	--	1	--	0	--	0	--	0	--	0	--	0	--	0
Analog	1																			
UM, UC, Softphones - OPTION																				
Unified Messaging Clients (desktop and fax licenses)	480		480		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Softphones	130		130		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unified Comm Clients (IM/Chat, Presence, IP audio conferencing, IP video conferencing, Web integration, Doc sharing, Google Gmail integration)	480		480		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UC Clients for																				
- Tablets	100		100																	
- Smartphones	200		200																	
Mobility integration/warning (users)	130		130		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OPTION: E911 and Emergency Notification (via Text Message, Phone (multiple), e-mail) - Alerts and emergency notification (SIP ports)																				
***	50		--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
- Users notified in dBase	2,000		--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E911 Identification - Originating Party on Campus (eg. RedSky)	1,400		--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OPTION: Audio Conferencing (Web-enabled)																				
Ports Available	32		32		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OTHER																				
REQUIRED																				
Power Failure	20		8		8		4		4		4		4		4		4		4	
Surge	1		1		1		1		1		1		1		1		1		1	
Modem/VPN	1		1		1		1		1		1		1		1		1		1	
MAC/Console	1		--		1		--		--		--		--		--		--		--	
Music on Hold (Interface)	1		1		1		1		1		1		1		1		1		1	
Site Event buffer for VPN access	1		1		1		1		1		1		1		1		1		1	
Corporate Directory Integration	1		--		--		--		--		--		--		--		--		--	
Call Accounting System (on-prem or hosted - BoE ADD ON)	1,400		1,400		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
- Number of wireline users	400		400		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
- Number of wireless users	1		1		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Integration of Wireless Server	100		100		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Follow Me Feature	100		100		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

GREENWICH BOARD OF EDUCATION
IP-PBX, UCC SPECIFICATION

Description	Greenwich HS		Board of Education		Western MS		Central MS		Eastern MS		Riverside ES		Parkway ES		Dundee ES		Julian Curtiss ES		New Lebanon ES	
	Survivable	Remote	Survivable	Remote	Survivable	Remote	Survivable	Remote	Survivable	Remote	Survivable	Remote	Survivable	Remote	Survivable	Remote	Survivable	Remote	Survivable	Remote
Voicemail (additional ports, hours, users beyond Town requirements)																				
Ports	24		24		--		--		--		--		--		--		--		--	
Hours	400		400		--		--		--		--		--		--		--		--	
Users	1,400		1,400		--		--		--		--		--		--		--		--	
Auto/Attendee Ports	40		40		--		--		--		--		--		--		--		--	
Distribution Lists	120		120		--		--		--		--		--		--		--		--	
Announcement Mailboxes	40		40		--		--		--		--		--		--		--		--	
Desktop Licenses	(see UM above)		(see UM above)		--		--		--		--		--		--		--		--	
Fax Licenses	(see UM above)		(see UM above)		--		--		--		--		--		--		--		--	
Fax Ports	12		12		--		--		--		--		--		--		--		--	
Transcribing - Voice to Text E-Mail	400		400		--		--		--		--		--		--		--		--	
Conversion - OPTION					--		--		--		--		--		--		--		--	
OPTION - Session Border Controllers																				
Session Border Controllers/SBCs for SIP																				
Tunks and Remote Workers, Mobility -	136		136		--		--		--		--		--		--		--		--	
PORTS ONLY																				

GREENWICH BOARD OF EDUCATION
IP-PBX, UCC SPECIFICATION

	11	12	13	14	15	16	Totals
North Street ES							
Old Greenwich ES							
Cos Cob ES							
North Mianus ES							
Hamilton Ave ES							
Glennville ES							
Total w Analog, Faxes, Modems, Conf Phones	50	57	55	55	79	67	1,319
50% Growth Factor (Capacity ONLY)	75	86	83	83	119	100	1,979

Description	Survivable Remote	Totals					
Trunks							
PRI	0	0	0	0	0	0	6
SIP Trunking (external - OPTION - Add'l Ports for BoE)	18	20	19	19	28	23	272
SIP Trunking (OnNet, as applicable)	--	--	--	--	--	--	462
SIP Ports for Emergency Notification (OPTION)	2	2	2	2	2	2	100
Analog CO trunks (for gateways)	--	--	--	--	--	--	36
QSIG Trunks (T1 Integration to legacy Mittel)	--	--	--	--	--	--	24

Stations	40	46	40	44	61	52	988
Stations - Exec SPF, display, color screen (10/100 with OPTION for GB)	0	0	0	0	0	0	0
Stations - Admin1 - 8-10 line, display, speakerphone (10/100 with OPTION for GB)	6	7	10	8	11	9	173
Admin 1A - 2-4 line, display (10/100 with OPTION for GB)	4	4	5	3	7	6	150
Stations - Admin2 - 30-40 line, display (10/100 with OPTION for GB)	0	0	0	0	0	0	2
- Add-On Mod 48 key for above	0	0	0	0	0	0	2
Console	0	0	0	0	0	0	4
Conference Speakerphone	0	0	0	0	0	0	2
Analog Single Line Set (SIP optional)	0	1	0	0	0	0	2
Fax machines	0	0	0	0	0	0	17
Modems	0	0	0	0	0	0	0
Wireless handsets (802.11xx) - WAPs not incl.	0	0	0	0	0	0	0
Remote Sets (hardphones - assume Admin 1)	0	0	0	0	0	0	0
Call Center sets w/Visual Display	0	0	0	0	0	0	0
TOTAL - IP Phones	50	57	55	55	79	67	1,319
- Analog Phones (Faxes, Modems, Analog)	0	1	0	0	0	0	19
TOTAL SETS	50	58	55	55	79	67	1,338

GREENWICH BOARD OF EDUCATION
IP-PBX, UCC SPECIFICATION

Description	11 North Street ES		12 Old Greenwich ES		13 Cos Cob ES		14 North Mianus ES		15 Hamilton Ave ES		16 Greenville ES		Totals
	Survivable Remote	Survivable Remote	Survivable Remote	Survivable Remote	Survivable Remote	Survivable Remote	Survivable Remote	Survivable Remote	Survivable Remote	Survivable Remote	Survivable Remote		
Equipped (licenses, cards as required)													2,886
IP/SIP stations	0	1	0	0	0	0	0	0	0	0	0	0	11
UM, UC, Softphones - OPTION													
Unified Messaging Clients (desktop and fax licenses)	--	--	--	--	--	--	--	--	--	--	--	--	960
Softphones	--	--	--	--	--	--	--	--	--	--	--	--	260
Unified Comm Clients (IM/Chat, Presence, IP audio conferencing, IP video conferencing, Web integration, Doc sharing, Google Gmail integration)	--	--	--	--	--	--	--	--	--	--	--	--	960
UC Clients for													
- Tablets													
- Smartphones													
Mobility Integration/Winning (users)	--	--	--	--	--	--	--	--	--	--	--	--	--
OPTION: E911 and Emergency Notification (via Alerts and emergency notification (SIP ports) ***													
- Users notified in dBase	--	--	--	--	--	--	--	--	--	--	--	--	2,000
E911 Identification - Originating Party on Campus (eg. RedSky)	--	--	--	--	--	--	--	--	--	--	--	--	1,400
OPTION: Audio Conferencing (Web-enabled)													
Ports Available	--	--	--	--	--	--	--	--	--	--	--	--	64
OTHER													
REQUIRED													
Power Failure	4	4	4	4	4	4	4	4	4	4	4	4	88
Surge	1	1	1	1	1	1	1	1	1	1	1	1	16
Modern/VPN	1	1	1	1	1	1	1	1	1	1	1	1	16
MAC/Console	--	--	--	--	--	--	--	--	--	--	--	--	2
Music on Hold (Interface)	1	1	1	1	1	1	1	1	1	1	1	1	16
Site Event buffer for VPN access	1	1	1	1	1	1	1	1	1	1	1	1	16
Corporate Directory Integration	--	--	--	--	--	--	--	--	--	--	--	--	--
Call Accounting System (on-prem or hosted - BotE ADD ON)	--	--	--	--	--	--	--	--	--	--	--	--	--
- Number of wireline users	--	--	--	--	--	--	--	--	--	--	--	--	2,800
- Number of wireless users	--	--	--	--	--	--	--	--	--	--	--	--	800
Integration of Wireless Server	--	--	--	--	--	--	--	--	--	--	--	--	2
Follow Me Feature	--	--	--	--	--	--	--	--	--	--	--	--	200

GREENWICH BOARD of EDUCATION
IP-PBX, UCC SPECIFICATION

Description	11		12		13		14		15		16		Totals
	North Street ES	Survivable Remote	Old Greenwich ES	Survivable Remote	Cos Cob ES	Survivable Remote	North Mianus ES	Survivable Remote	Hamilton Ave ES	Survivable Remote	Glennville ES	Survivable Remote	
VoiceMail (additional ports, hours, users byline)													
Ports	--	--	--	--	--	--	--	--	--	--	--	--	48
Hours	--	--	--	--	--	--	--	--	--	--	--	--	800
Users	--	--	--	--	--	--	--	--	--	--	--	--	2,800
Auto/Attendant Ports	--	--	--	--	--	--	--	--	--	--	--	--	80
Distribution Lists	--	--	--	--	--	--	--	--	--	--	--	--	240
Announcement Mailboxes	--	--	--	--	--	--	--	--	--	--	--	--	80
Desktop Licenses	--	--	--	--	--	--	--	--	--	--	--	--	0
Fax Licenses	--	--	--	--	--	--	--	--	--	--	--	--	0
Fax Ports	--	--	--	--	--	--	--	--	--	--	--	--	24
Transcribing - Voice to Text E-Mail Conversion - OPTION	--	--	--	--	--	--	--	--	--	--	--	--	800
OPTION - Session Border Controllers													
Session Border Controllers/SBCs for SIP Trunks and Remote Workers, Mobility - PORTS ONLY	--	--	--	--	--	--	--	--	--	--	--	--	272

**GREENWICH BOARD of EDUCATION
IP-PBX, UCC SPECIFICATION**

	Quantity --	Included (Y/N)	Cost
REQUIRED COMPONENTS			
Trunks			
		(Y/N)	
PRI	6		
SIP Trunking (external - OPTION - Add'l Ports for BoE)	272		
SIP Trunking (OnNet, as applicable)	462		
SIP Ports for Emergency Notification (OPTION)	100		
Analog CO trunks (for gateways)	36		
QSIG Trunks (T1 Integration to legacy Mitel)	24		
Stations			
		(Y/N)	
Stations - Exec SPF, display, color screen (10/100 with OPTION for GB)	0		
Stations - Admin1 - 8-10 line, display, speakerphone (10/100 with OPTION for GB)	988		
Admin 1A - 2-4 line, display (10/100 with OPTION for GB)	173		
Stations - Admin2 - 30-40 line, display (10/100 with OPTION for GB)	150		
- Add-On Mod 48 key for above	2		
Console	2		
Conference Speakerphone	4		
Analog Single Line Set (SIP optional)	2		
Fax machines	17		
Modems	0		
Wireless handsets (802.11xx) - WAPs not incl.	0		
Remote Sets (hardphones - assume Admin 1)	0		
Call Center sets w/Visual Display	0		
TOTAL - IP Phones	1,319		
- Analog Phones (Faxes, Modems, Analog)	19		
TOTAL SETS	1,329		

**GREENWICH BOARD of EDUCATION
IP-PBX, UCC SPECIFICATION**

	Quantity --	Included (Y/N)	Cost
<hr/>			
SUB-TOTAL TRUNKS, STATIONS, LICENSING			\$ -
ONE-TIME INSTALLATION CHARGE/PROFESSIONAL SERVICES			\$ -
SHIPPING			\$ -
TAXES (EXEMPT)			\$ -
TOTAL TRUNKS, STATIONS, LICENSING			\$ -
Survivable Remotes			
Up to 60 End Points			
Up to 80 End Points			
Up to 100 End Points			
Up to 120 End Points			
Up to 130 End Points			
Up to 180 End Points			
Up to 530 End Points			
SUB-TOTAL SURVIVABLE REMOTES			\$ -
ONE-TIME INSTALLATION CHARGE/PROFESSIONAL SERVICES			\$ -
SHIPPING			\$ -
TAXES (EXEMPT)			\$ -
TOTAL SURVIVABLE REMOTES			\$ -
Equipped (licenses, cards as required)		(Y/N)	
IP/SIP stations	2,886		
Analog	11		
SUB-TOTAL EQUIPPED			\$ -
ONE-TIME INSTALLATION CHARGE/PROFESSIONAL SERVICES			\$ -
SHIPPING			\$ -
TAXES (NONE)			\$ -
TOTAL EQUIPPED			\$ -
OTHER			
REQUIRED			
Power Failure	88		
Surge	16		

**GREENWICH BOARD of EDUCATION
IP-PBX, UCC SPECIFICATION**

	Quantity	Included (Y/N)	Cost
	--		
Modem/VPN	16		
MAC/Console	2		
Music on Hold (Interface)	16		
Site Event buffer for VPN access	16		
Corporate Directory Integration			
Call Accounting System (on-prem or hosted - BoE ADD ON)			
- Number of wireline users	2,800		
- Number of wireless users	800		
Integration of Wireless Server	2		
Follow Me Feature	200		
SUB-TOTAL OTHER			\$ -
ONE-TIME INSTALLATION CHARGE/PROFESSIONAL SERVICES			\$ -
SHIPPING			\$ -
TAXES (NONE)			\$ -
TOTAL OTHER			\$ -

Voicemail (additional ports, hours, users beyond Town requirements)

Ports	48		
Hours	800		
Users	2,800		
Auto/Attendant Ports	80		
Distribution Lists	240		
Announcement Mailboxes	80		
Desktop Licenses	0		
Fax Licenses	0		
Fax Ports	24		
Transcripting - Voice to Text E-Mail Conversion - OPTION	800		
SUB-TOTAL VOICE MAIL			\$ -
ONE-TIME INSTALLATION CHARGE/PROFESSIONAL SERVICES			\$ -
SHIPPING			\$ -
TAXES (NONE)			\$ -
TOTAL VOICE MAIL			\$ -

**GREENWICH BOARD of EDUCATION
IP-PBX, UCC SPECIFICATION**

	Quantity --	Included (Y/N)	Cost
<hr/>			
REQUIRED: CORE REFRESH MONTH 48		(Y/N)	
E911 Identification - Originating Party on Campus (eg. P	25,000	<input type="text"/>	
SUB-TOTAL CORE REFRESH MONTH 48			\$ -
ONE TIME INSTALLATION CHARGE/PROFESSIONAL SERVICES			\$ -
SHIPPING			\$ -
TAXES			\$ -
TOTAL CORE REFRESH BID +			\$ -
MAINTENANCE - REQUIRED COMPONENTS			
- YEAR 1			\$ -
- YEAR 2			\$ -
- YEAR 3			\$ -
- YEAR 4			\$ -
- YEAR 5			\$ -
- YEAR 6			\$ -
- YEAR 7			\$ -
TOTAL MAINTENANCE			\$ -
SOFTWARE UPDATES - REQUIRED COMPONENTS - INCLUDES FIRMWARE. SOFTWARE. HARDWARE UPGRADES			
- YEAR 1			\$ -
- YEAR 2			\$ -
- YEAR 3			\$ -
- YEAR 4			\$ -
- YEAR 5			\$ -
- YEAR 6			\$ -
- YEAR 7			\$ -
TOTAL SOFTWARE UPDATES			\$ -
TOTAL - REQUIRED PURCHASE, 7 YEARS MAINTENANCE, 7			\$ -
LEASE RATE FACTOR -			
60 MONTH FAIR MARKET VALUE LEASE, 12 PAYMENTS/YR			<input type="text"/>
60 MONTH FAIR MARKET VALUE LEASE, 2 PAYMENTS/YR			<input type="text"/>
			(Eg., .018)

**GREENWICH BOARD of EDUCATION
IP-PBX, UCC SPECIFICATION**

Quantity Included Cost
-- (Y/N)

OPTIONAL COMPONENTS

UM, UC, Softphones - OPTION

	Quantity	Included (Y/N)
Unified Messaging Clients (desktop and fax licenses)	960	(Y/N)
Softphones	260	
Unified Comm Clients (IM/Chat, Presence, IP audio conferencing, IP video conferencing, Web integration, Doc sharing, Google Gmail integration)	960	
UC Clients for		
- Tablets		
- Smartphones		
Mobility integration/twinning (users)		

SUB-TOTAL UM, UC, SOFTPHONES	\$ -
ONE-TIME INSTALLATION CHARGE/PROFESSIONAL SERVICES	\$ -
SHIPPING	\$ -
TAXES (NONE)	\$ -
TOTAL UM, UC, SOFTPHONES	\$ -

OPTION: E911 and Emergency Notification (via Text Message, Phone (multiple), e-mail) -

	Quantity	Included (Y/N)
Alerts and emergency notification (SIP ports) ***	50	
- Users notified in dBase	2,000	
E911 Identification - Originating Party on Campus (eg. RedSky)	1,400	

SUB-TOTAL E911 and EMERGENCY NOTIFICATION	\$ -
ONE-TIME INSTALLATION CHARGE/PROFESSIONAL SERVICES	\$ -
SHIPPING	\$ -
TAXES (NONE)	\$ -
TOTAL E911 and EMERGENCY NOTIFICATION	\$ -

**GREENWICH BOARD of EDUCATION
IP-PBX, UCC SPECIFICATION**

	Quantity	Included (Y/N)	Cost
OPTION: Audio Conferencing (Web-enabled)			
Ports Available	64	<input type="text" value="(Y/N)"/>	
SUB-TOTAL AUDIO CONFERENCING (WEB-ENABLED)			\$ -
ONE-TIME INSTALLATION CHARGE/PROFESSIONAL SERVICES			\$ -
SHIPPING			\$ -
TAXES (NONE)			\$ -
TOTAL AUDIO CONFERENCING (WEB-ENABLED)			\$ -

OPTION - Session Border Controllers			
Session Border Controllers/SBCs for SIP Trunks and Remote Workers, Mobility - PORTS ONLY	272	<input type="text" value="(Y/N)"/>	
SUB-TOTAL SESSION BORDER CONTOLLERS			\$ -
ONE-TIME INSTALLATION CHARGE/PROFESSIONAL SERVICES			\$ -
SHIPPING			\$ -
TAXES (NONE)			\$ -
TOTAL SESSION BORDER CONTOLLERS			\$ -

OPTION: MAINTENANCE OPTIONS			
24 X 7 SUPPORT - ADDITIONAL ANNUALLY			\$
ON SITE TECHNICIANS (2) - ADDITIONAL ANNUALLY			\$

OPTION: RENTAL CLOUD OR MANAGED MODEL			
Monthly cost - basic (analog/SIP) end points - per end point cost			\$
Monthly cost - Admin (analog/SIP) end points - per end point cost			\$
Monthly cost - Contact Center (analog/SIP) end points - per end point cost			\$
Services Included *		<input type="text" value="(Y/N)"/>	
Included: SIP Trunking, stations, cores, all required components, maintenance, NOC monitoring			\$
Option: Own at end			\$

* List all services for cloud/managed included here

1
2
3
4

**GREENWICH BOARD of EDUCATION
IP-PBX, UCC SPECIFICATION**

Quantity **Included** **Cost**
-- (Y/N)

5
