Town of Cumberland / UPGRADE OF EXISTING SYSTEM BUDGETARY COST ESTIMATES										
Description	Unit Cost	Town Hall	Chebeague	CFD West	Range Way	Val Halla	Qty	TOTAL	ITEM TOTAL	ITEM
			RAI	DIO	SYS	TEN	IS			
/HF Repeater/ DMR	\$ 29,000	0	2	2	2	2	8	\$ 232,000	\$ 232,000	REPEATERS
Repeater/digital/analog Equipment licensing	\$ 1,000									
Ant[2]/t-line/mtg hdwr/protection/install	\$ 16,000									-
x Antenna Combiner	\$ -		:	- 1	- 1	1		ć 57.000	:	-
Cumberland combiner + Install Cumberland/Chebeague combiner + Install			1	1	1	1	3 1	\$ 57,000 \$ 41,000		
Cumbertandy Chebeague Combiner + Instan	\$ 41,000		<u>.</u>					\$ 41,000	\$ 124,000	TX / RX COMBINERS
x Antenna Multicoupler	\$ 6,500	0	1	1	1	1	4	\$ 26,000		,
Multicoupler	\$ 6,000			[<u>.</u>					
Install				<u> </u>						
Simulcast	\$ 15,500	0	1	1	1	1	4	\$ 62,000	\$ 62,000	SIMO
GPS Install	•••••••••••••••••••••••••••••••••••••••			·	·····					
Site IP Connectivity		0	1	1	1	1	4	\$ 20,000	\$ 20,000	IP GATEWAYS
Gateway/switches/routers	\$ 3,500		******	******	Λ		·····	tahan ana ana ana ana ana ana ana ana ana		
Provisioning	\$ 1,500									
Receiver Voting System	\$ 14,000				2		2	\$ 28,000	\$ 28,000	VOTING
Comparator	\$ 14,000							1	•	•
Network Monitoring & Alarms	\$ 34,500						1	\$ 34,500	\$ 34,500	ALARMS
Radio system server/software Microwave system server/software	\$									
Install										
Grounding Upgrade		0	1	1	1	1	4	\$ 8,000	\$ 8,000	GROUNDING
each site	\$ 2,000									
OC Rectify Power & Batteries	\$ 22,500	0	1	1	1	1	4	\$ 90,000	\$ 90,000	BATTERY/UPS
AC Distribution	\$ 2,500 \$ 18,000									
DC Rectify Power & Batteries Installation										
	\$ 2,000 \$ 1,200	0	1	1	1	1	4	\$ 4,800	\$ 4,800	LICENSING
	\$ 1,200		••••••	(••••••		•••••		halanna an	
pare Equipment	\$ 75,000	1					1	\$ 75,000	\$ 75,000	SPARES
	\$-			<u> </u>						
Remove Old Equipment	\$ 1,500	1	1	1	1	1	5	\$ 7,500	\$ 7,500	REMOVE EQPT
each site	\$ 1,500									:
					RA	DIO	SYS	TEM TOTAL	\$ 685,800.00	
		N	/ICR	OW	AVE	RA	DIO			
Aicrowave/PER END										
6/11 GHz RING Radio	\$ 40,500				Ĭ		0	\$-	¢ 260.000	
6/11 GHz SPUR Radio	\$ 61,500	0	1	1	3	1	6	\$	\$ 369,000	MICROWAVE
Microwave RING split mount radio Microwave SPUR spur split mount radio HSB	\$ 24,000 \$ 45,000									
Equipment provisioning	\$ 2,500									
Antenna/T-line	\$ 5,000									
Physical path survey/ per end	\$ -	Comp	pleted							
Frequency coordination / Licensing	\$ 2,000									
Microwave - Antenna hardware/installation	ş 7,000								:	
			N	/ICR	OW	AVE	SYS	TEM TOTAL	\$ 369,000.00	

Town of Cumberland / UPGRADE OF EXISTING SYSTEM BUDGETARY COST ESTIMATES											
Description	Unit Cost	Town Hall	Chebeague	CFD West	Range Way	Val Halla	Qty		TOTAL	ITEM TOTAL	ITEM
TOWER SITES											
Site Facilities Work										 	
Structural Analysis New 8 x 10 wood shelter; elec, foundation Site prep, fencing, utility power, etc. Generator Other/misc site work [assumption] Site cameras	\$ 20,000 \$ 3,000			1		1	2	\$	5,000 140,000 - 40,000 9,000 12,000	\$ 206,000	TOWER SITES/ ANTENNA INSTALL
					•	τον	VER S	SITE	TOTAL	\$ 206,000.00	
SERVICES											
Services / % of Eqpt Installation Performance Bond Vendor Project Management Vendor Engineering Staging & Acceptance Coverage Testing Shipping	\$ - \$ 63,040 \$ 50,432 \$ 25,216 \$ 25,216		ded w	ı/equij	pment					\$ 214,336.00	SERVICES
						9	SERV	ICES	TOTAL	\$ 214,336.00	

MOBILE & PORTABLE EQUIPMENT							
Police MOBILE - assumes dash mount \$	1,200		8	\$	9,600		
Police PORTABLE \$	1,100		16	\$	17,600	COST ESTIMATE INCLUDES INSTALLATION	MOBILE, PORTABLE & ALERT PAGING RADIOS
Fire/EMS MOBILE [assumes remote mount] \$	1,800		15	\$	27,000		
Fire/EMS PORTABLE \$	1,100		58	\$	63,800		
Fire/EMS ALERT PAGER \$	1,000		66	\$	66,000		
Mobile Removal \$	110		23	\$	2,530		
		SUBSCRIBE	R RA	DIO	TOTAL	\$ 186,530.00	

RADIO SYSTEMS	\$685,800.00
MICROWAVE RADIO	\$369,000.00
SITE FACILITIES	\$206,000.00
SERVICES	\$214,336.00
INFRASTRUCTURE TOTAL	\$1,475,136.00
MOBILE/PORTABLE RADIO TOTAL	\$186,530.00
GRAND TOTAL	\$1,661,666.00
ESTIMATED RECURRING YEARLY COST:	
Radio system maintenance	\$50,000 - \$75,000
Monthly site lease fees	\$0.00
Total	\$50,000 - \$75,000