

**ARPA Proposal to Provide Funding
for Radio Communication infrastructure
For The Chester Hose Company Inc.**

Submitter Contact Information

Name: James Grzybowski, Chief

Mailing Address: Chester Hose Company INC.
P.O. Box 214
Chester, CT 06412

Telephone Number: 860-526-0019 Ext.227 Firehouse
860-790-2519 Cell

E-Mail Address: chc7@snet.net

Proposal Information

Author:

James Grzybowski, Fire Chief, The Chester Hose Company Inc.

Description of Project:

Having communications is the single most important aspect of fire ground and emergency operations. It can literally be the difference between life

and death. The Project is for the upgrade of our radio communications for UHF and 800 Mhz in our apparatus. Currently our mobile and portable radios are aging. The estimated cost of this project is \$136,894.00.

The UHF system is currently used by Chester and several other towns for radio communications in the fire and ambulance service. Like cell service there are gaps in coverage with the UHF frequency. For this reason many towns have opted to go to the State of Connecticut's 800 MHz system. This system is run and maintained by the state of Connecticut and provides much better coverage throughout many of the towns. The Connecticut State Police also use this system. However, the equipment needed to go to the 800 system comes at a greater cost. The towns of Haddam, East Haddam, Durham, and Middlefield have already gone to this system. Middletown built their own 800 MHz system. Just recently both Deep River and Essex have decided to move to this system. Chester is not looking to go on to the 800 MHz system because of the coverage it has with the UHF system. However, while the town of Chester has a very good UHF system coverage we still need to be able to communicate with our neighbors for mutual aid. For this reason the Chester Hose Company has come up with a hybrid system. Using both UHF frequency for our operations within town but having the ability to operate on the 800 MHz system when working with mutual aid. Having this system is essential for communications for both fire and ambulance services.

Because of the larger cost of the equipment to go onto the 800 MHz system the State of Connecticut has established a state pricing list for the necessary equipment. Any vendor wishing to sell equipment for the 800 MHz system must be on the list. Prior to purchasing any equipment a quote must be sent to the state for approval. This guarantees the lowest cost and thus would not be subject to going out to bid. This would be the exception to the Town's bid policy.

Attached is an estimate of the equipment the Chester Hose Company Inc. is looking to purchase and install in its apparatus.

ARPA Funds Requested:

The proposal is for the allocation of up to \$136,894.00 in ARPA funds for the purchase and installation of radio equipment. This project would fall under the "Government Services" ARPA-SLFRF Eligible Category if approved.

Who would most benefit from the project if approved:

Directly, the volunteers of the Chester Hose Company Inc. who provide the towns fire protection and ambulance service. Also, this would benefit the towns Emergency Management and Selectmen during a large emergency event where a Unified Command is established as is done during major weather events. It will provide reliable communications between each entity in the performance of operations during these events.

Positive impact of project to the Chester Community:

This would provide a necessary upgrade of radio communications for the Emergency Services of the Town of Chester. The Chester Community benefits in protecting its volunteers and providing them with the tools to manage and contain any emergency or fire in the most efficient way.

A-DEC Communications, LLC

9 Parker Terrace
 Essex, CT 06426
 (860) 767-7341
 (860) 767-7342 / FAX

EQUIPMENT ESTIMATE

DATE	REFERENCE
6/21/2022	Comm Upgrad

NAME / ADDRESS
Chester Hose High Street Chester, CT 06412 Attn: Chief

Quote good for	TERMS	REP
30 days	Net 30	ADE

ITEM	DESCRIPTION	QTY	COST	TOTAL
PROJECT	Upgrade communications equipment for UHF & 800 Mhz.		0.00	0.00T
misc	Tait TP9600 P25, Tri-band portable P25, VHF, UHF and 800, Battery, multi band antenna, State Config w/ 110 charger	4	3,800.00	15,200.00T
misc	Impact WP Speaker mic for above	4	89.00	356.00T
misc	Power products Vehicle charger for above	4	125.00	500.00T
misc	Tait TP9600 P25, dual-band portable> UHF and 800, Battery, multi band antenna, State Config	8	3,400.00	27,200.00T
misc	Tait Speaker mic for above	8	93.00	744.00T
misc	Power products charger for above	8	125.00	1,000.00T
misc	Motorola XPR-7550e UHF, multi channel, color display, 3000 Mah LION Impress battery, drop-in charger	30	1,349.00	40,470.00T
misc	Impact WP speaker mic for above	30	85.00	2,550.00T
misc	Case Guyz leather case w/ NY carry strap	30	155.00	4,650.00T
misc	Tait TM9400, 800 Mhz mobile, trunk mount, state config, Wired to supplied UHF vehicular repeater (Engine 2)	1	2,322.00	2,322.00T
misc	Tait TM9400, 800 Mhz mobile, trunk mount, state config, Wired to supplied UHF vehicular repeater (Engine 3)	1	2,322.00	2,322.00T
misc	Tait TM9400, 800 Mhz mobile, trunk mount, state config, Wired to supplied UHF vehicular repeater (Tanker)	1	2,322.00	2,322.00T
INSTALL	INSTALLATION of equipment in Engine 2	1	1,850.00	1,850.00T
INSTALL	INSTALLATION of equipment in Engine 3	1	1,850.00	1,850.00T
INSTALL	INSTALLATION of equipment in Tanker	1	1,200.00	1,200.00T
INSKIT	Install kit includes antenna, low-loss coax, interface cables, hardware,, (Engine 2)	1	225.00	225.00T

Thank you for considering A-DEC Communications for your wireless needs!	TOTAL
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INSKIT	Install kit includes antenna, low-loss coax, interface cables, hardware,,, (Engine 3)	1	225.00	225.00T
INSKIT	Install kit includes antenna, low-loss coax, interface cables, hardware,,, (Tanker)	1	225.00	225.00T
misc	Tait TM9400, 800 Mhz mobile, trunk mount, state config, (2- Ambulances)	2	2,322.00	4,644.00T
INSTALL	INSTALLATION of equipment in both ambulances / Remove lowband	2	760.00	1,520.00T
INSKIT	Install kit includes antenna, low-loss coax, interface cables, hardware,,, (Engine 2)	2	225.00	450.00T
misc	Headset system for Engine 2	1	6,065.00	6,065.00T
misc	Headset system for Engine 3	1	9,502.00	9,502.00T
misc	Headset system for Tanker	1	9,502.00	9,502.00T
	NOTES: -Removal of lowband equipment and will be replaced by 800 -10% was added to the above prices less headsets, -Prices increased \$11,186 by adding 10% -Headset delivery is approx 4 weeks -Mobile and portable delivery is approx 7 months Sales Tax		0.00	0.00

Thank you for considering A-DEC Communications for your wireless needs!

TOTAL \$136,894.00