

July 22, 2024 workshop
(Exhibit #1)



TDEM

THE TEXAS A&M UNIVERSITY SYSTEM

January 11, 2024

The Honorable Shane Britton
 Brown County Judge
 Brown County
 200 S. Broadway, #114
 Brownwood, TX 76801

Subject: DR-4485, Covid-19 Pandemic Sub-Grant Award

Dear Honorable Shane Britton:

The Texas Division of Emergency Management (TDEM) has issued a sub-grant for the Hazard Mitigation Grant Program (HMGP) DR-4485, COVID-19 Pandemic. The following is the information related to this award:

Sub-Recipient Information:

UEI Number: C958ZCLCYL15
 TINS Number: 75-6000838
 FIPS Number: 049-99049-00

Award Information:

Catalog of Federal Domestic Assistance: 97.039 (HMGP)
 FEMA Project Number: 0218
 Project Title: Brown County Storm Siren System
 Period of Performance (POP): December 13, 2023 to December 13, 2024

TOTAL PROJECT COST AWARD						
Version/ Amendment	Date	Total Subgrant Amount	Federal Cost Share %	Federal Cost Share Amount	Local Cost Share %	Local Cost Share Amount
0	12/13/2023	\$186,696.00	90%	\$168,026.40	10%	\$18,669.60

Please Note: This award is not for research or development as defined in 2 Code of Federal Regulations (C.F.R.) § 200.87.

The eligible management costs for a reimbursement request are calculated by multiplying the eligible direct project costs submitted by the percentage of obligated management costs (5%) for the project. In some cases, the management costs submitted for a reimbursement will exceed the eligible management cost amount. In this instance, the management costs will be trapped until additional eligible direct project costs are submitted for reimbursement.

TOTAL ELIGIBLE MANAGEMENT COSTS						
Version/ Amendment	Date	Total Management Costs	Federal Cost Share %	Federal Cost Share Amount	Local Cost Share %	Local Cost Share Amount
0	12/13/2023	\$9,300.00	100%	\$9,300.00	0%	\$0

The above number represents a 5% allotment FEMA allows for the project paperwork, application through final reporting

The approved Scope of Work (SOW) follows and the terms and conditions of this award are attached. It is important that the sub-recipient read, understand and comply with the SOW and all terms and conditions. It is also vital that this information be disseminated to sub-recipient's staff and contractors involved in work related to this project.

The approved scope of work:

Brown County will utilize HMGP grant funding to install 7 all-hazard early warning storm sirens about the "Unincorporated Area" of Brown County, Texas. The early warning would allow people additional time to seek shelter and/or secure their possessions. Sirens will be activated by an authorized City official based on the current threat(s).

The proposed project activities include the following:

1. A 50 ft Class II wooden telephone pole and a warning siren at each of the 7 locations. Blanket, Indian Creek, May, Winchell, Zephyr and (2) in Brookesmith.
2. Each of the poles will be equipped with solar panels and high end/long life batteries to make them independent from the electrical grid which sometimes goes down during a severe weather event.

3. Each pole will be equipped with a directional antenna to receive commands from the base station and send reports back confirming the status of that siren.
4. Head end/management equipment and software would be installed at the Joint Law Enforcement Center in Brownwood which would be triggered by the dispatcher upon notification from the National Weather Service or by the Chief Emergency Management officer for Brown County.

The (7) early warning storm sirens will be installed throughout the "Unincorporated Areas" of Brown County, Texas at the following locations:

1. South Broadway & Main Street, Blanket, Texas 76432 (31.823864, -98.787540)
2. FM 586 & FM 205, Brookesmith, Texas 76827 (31.548353, -99.118702)
- ~~3. FM 586, approximately 3200' southeast of Highway 37, Brookesmith, Texas 76827
(31.534168, -99.084308)~~
- ~~4. FM 586, approximately 1550' southwest of FM 237, Indian Creek, Texas 768001
(31.523694, -98.987878)~~
5. East County Road 211 & Cunningham Street, May, Texas 76857 (31.978145, -98.920277)
- ~~6. CR 218 & CR 221, Winchell, Texas 76827 (31.474484, -99.164363)~~
7. CR 278 & US Highway 84 East, Zephyr Texas 76890 (31.677878, -98.796486)

The approved sub-recipient management cost will be used for quarterly report preparation submittal, submittal of RFR's, and pre-award application development.

In accordance with FEMA Instruction 108-1-1 and DHS Instruction 023-01-001-01; this project has been determined to be Categorically Excluded (CATEX) E1. FEMA concludes that the project is categorically excluded from the National Environmental Policy Act (NEPA) requirement to prepare further environmental documentation. No extraordinary conditions in accordance with DHS Instruction 023-01-001-01 exist involving this project.

Backbone Celular Service Through AT&T

AT&T is providing information below for our Control Center platform for Brown County. Included are details on data service pricing and next steps for the process of setting up Control Center

ONE TIME COSTS				
Item	Units	Normal Cost	Discounted/Waiver	Subtotal
SIM & Activation	TBD	\$2.00	\$0.00 (Per SIM)	\$0.00
Account Setup Fee	1	\$ 1,425.00	\$0.00	\$0.00
APN fee W/IP Pool MRC = #3.00 IP Address per month/per block	0	\$ 1,000.00	\$0.00	\$0.00
COAM VPN	0	\$ 2,495.00	\$0.00	\$0.00
Total				\$0.00

REOCCURRING MONTHLY COSTS				
Item	Units	Normal Cost	Unit Rate Plan (DIR)	Subtotal/Month
Unlimited	4	\$38.00	\$30.00	\$120.00
2GB (Pooled)	4	\$21.75	\$21.50	\$86.00
1GB (Pooled)	4	\$18.75	\$18.75	\$75.00
250Mb (Pooled)	4	\$13.50	\$13.50	\$54.00

Budgeting 4 Units for 5 Years	\$7,200.00
--------------------------------------	-------------------

Thank you,

Andrea "Dre" Alvarado
 FirstNet & Public Sector
 AT&T Services, Inc.
 Mobile: 806.252.9777
 Email: aa133a@att.com
 FirstNet Dedicated Care: 800-574-7000
 FirstNet Central Home Page: <https://firstnetcentral.firstnet.com/>

Projected cost comparison 2022 to 2023 prices - Sirens & Base Station

Poles, Antenas, Solar Power & Sirens				
	Items	Each	Extended 7	Extended 4
7	508-128 High-Powered Outdoor Siren	\$ 7,837.00	\$ 54,859.00	\$ 31,348.00
7	DCFCTBDH 256bit encrypted two-way siren controller	\$ 6,045.00	\$ 42,315.00	\$ 24,180.00
7	Solar Kit	\$ 1,250.00	\$ 8,750.00	\$ 5,000.00
7	Batteries - AGM 31DT	\$ 1,120.00	\$ 7,840.00	\$ 4,480.00
7	OMNI-4 - Fiberglass Antenna	\$ 300.00	\$ 2,100.00	\$ 1,200.00
7	AMB-P - Antenna Mounting Bracket, Pole	\$ 100.00	\$ 700.00	\$ 400.00
7	Installation	\$ 6,500.00	\$ 45,500.00	\$ 26,000.00
7	Shipping charge	\$ 1,264.14	\$ 8,849.00	\$ 5,056.57
Prices as of August 2022		\$ 24,416.14	\$ 170,913.00	\$ 97,664.57
Prices as of October 2023		\$ 33,315.13	\$ 233,205.91	\$ 133,260.52
27% Increase				

Base Station and Head End Equipment		
1	Basic PC Configuration for CommanderOne Control System	\$ 1,860.00
1	Base Station Equipment	\$ 2,686.00
1	CommanderOne-S - cloud base operating siren system	\$ 5,750.00
1	SS2000+ - Digital Siren Control, Encrypted desktop console	\$ 2,800.00
1	Installation	\$ 2,250.00
1	Shipping charge	\$ 437.00
Prices as of August 2022		\$ 15,783.00
Prices as of October 2023		\$ 19,321.54
19% Increase		

Projected cost share comparison 2022 to 2023 prices - Sirens & Base Station

		90% Fed Cost Share	10% Local Cost Share
7	Sub Total w/7 Sirens & Base Station - August 2022	\$ 186,696.00	\$ 168,026.40
	Sub Total w/7 Sirens & Base Station - October 2023	\$ 252,527.45	\$ 227,274.71

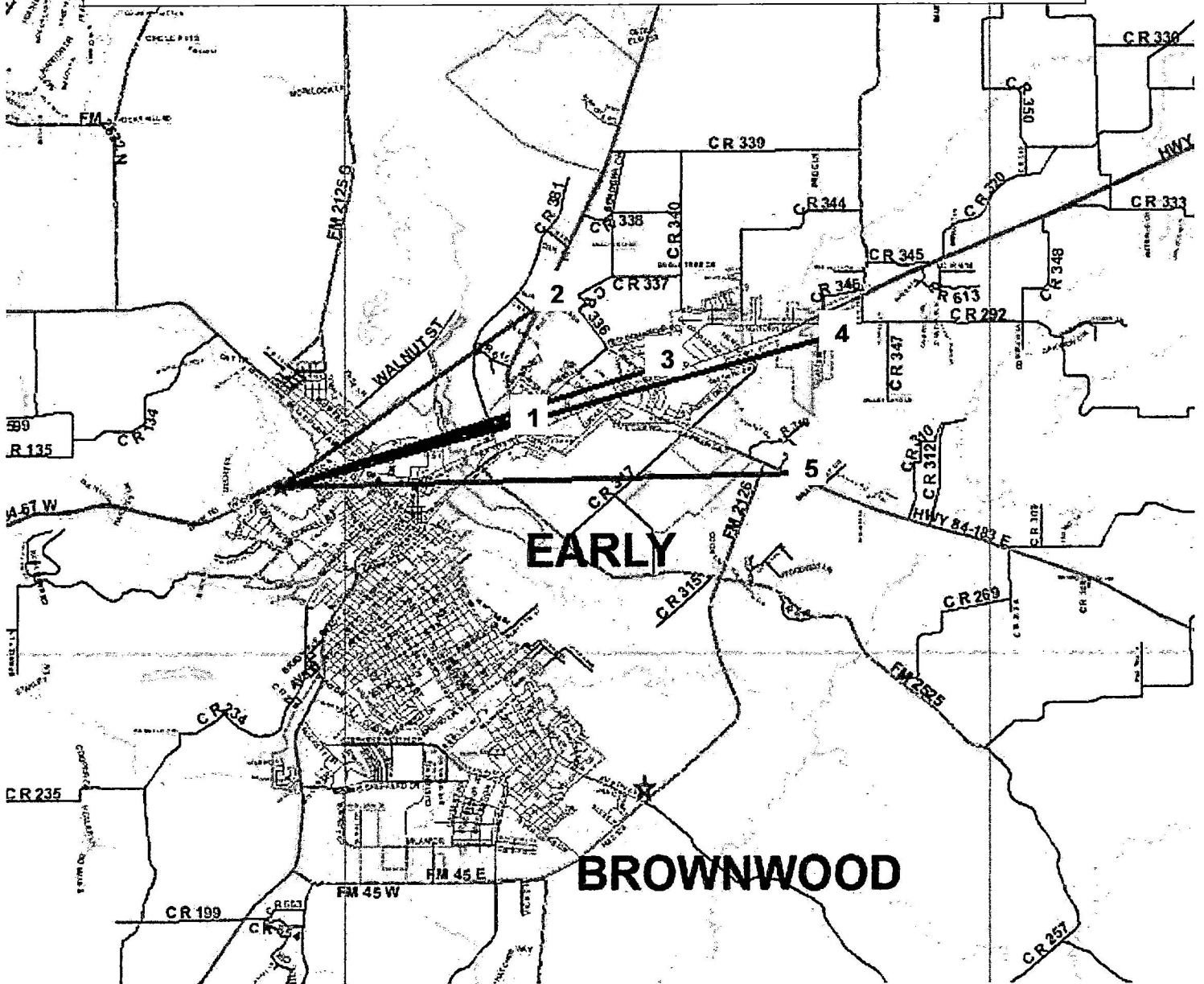
		90% Fed Cost Share	10% Local Cost Share
4	Sub Total w/4 Sirens & Base Station - August 2022	\$ 113,447.57	\$ 102,102.81
	Sub Total w/4 Sirens & Base Station - October 2023	\$ 152,582.06	\$ 137,323.85

Projected overall project cost comparison 2022 to 2023 prices

August 2022 Prices		90% Fed Cost Share	10% Local Cost Share
4	Sub Total w/4 Sirens & Base Station	\$ 113,447.57	\$ 102,102.81
	Automatic Link to National Weather Service	\$ 20,000.00	\$ 18,000.00
	Cellular Backbone between sirens & Base Unit/5 yr	\$ 7,200.00	\$ 6,480.00
		\$ 140,647.57	\$ 126,582.81
	Management Expense - 5% Project Cost		\$ (7,032.38)
	Estimated Total Expenses for Brown County		\$ 7,032.38

October 2023 Prices		90% Fed Cost Share	10% Local Cost Share
4	Sub Total w/4 Sirens & Base Station	\$ 152,582.06	\$ 137,323.85
	Automatic Link to National Weather Service	\$ 20,000.00	\$ 18,000.00
	Cellular Backbone between sirens & Base Unit/5 yr	\$ 7,200.00	\$ 6,480.00
		\$ 179,782.06	\$ 161,803.85
	Management Expense - 5% Project Cost		\$ (8,989.10)
	Estimated Total Expenses for Brown County		\$ 8,989.10

Early Siren Layout



#1	Early Mall	-	-	-	13,737.2'	-	2.60 Miles
#2	183 RV Park	-	-	-	18,681.6'	-	3.54 Miles
#3	Across from Early Stadium	-	-	-	22,726.1'	-	4.31 Miles
#4	Jenkins Spring Rd	-	-	-	31,197.6'	-	5.91 Miles
#5	Hwy 84 East	-	-	-	28,159.1'	-	5.33 Miles

Early Texas Project
Projected cost comparison 2022 to 2023 prices - Sirens & Base Station

Poles, Antenas, Solar Power & Sirens			
Items	Each	Extended 6	Extended 5
Prices as of 2022	\$ 24,408.33	\$ 146,449.98	\$ 122,041.65
Prices as of 2023	\$ 33,315.13	\$ 199,890.78	\$ 166,575.65

Base Station and Head End Equipment	
Prices as of 2022	\$ 15,783.00
Prices as of 2023	\$ 19,321.54

Early Texas Project
Projected cost share comparison 2022 to 2023 prices - Sirens & Base Station

		75% Fed Cost Share		25% Local Cost Share	
6	Sub Total w/6 Sirens & Base Station - 2022	\$ 162,232.98	\$ 121,674.74	\$ 40,558.25	
	Sub Total w/6 Sirens & Base Station - 2023	\$ 219,212.32	\$ 164,409.24	\$ 54,803.08	

		75% Fed Cost Share		25% Local Cost Share	
5	Sub Total w/5 Sirens & Base Station - 2022	\$ 137,824.65	\$ 103,368.49	\$ 34,456.16	
	Sub Total w/5 Sirens & Base Station - 2023	\$ 185,897.19	\$ 139,422.89	\$ 46,474.30	

Early Texas Project

Projected overall project cost comparison 2022 to 2023 prices

2022 Prices		75% Fed Cost Share	25% Local Cost Share
5	Sub Total w/5 Sirens & Base Station	\$ 137,824.65	\$ 103,368.49
	Automatic Link to National Weather Service	\$ -	\$ -
	Cellular Backbone between sirens & Base Unit/5 yr	\$ 9,000.00	\$ 2,250.00
		\$ 146,824.65	\$ 110,118.49
	Remove Base Station	\$ (15,783.00)	\$ (11,837.25)
	Management Expense - 5% Project Cost		\$ (7,341.23)
	Estimated Total Expenses for Early Project		\$ 25,419.18

2023 Prices		75% Fed Cost Share	25% Local Cost Share
5	Sub Total w/5 Sirens & Base Station	\$ 185,897.19	\$ 139,422.89
	Automatic Link to National Weather Service	\$ -	\$ -
	Cellular Backbone between sirens & Base Unit/5 yr	\$ 9,000.00	\$ 2,250.00
		\$ 194,897.19	\$ 146,172.89
	Remove Base Station	\$ (19,321.54)	\$ (14,491.16)
	Management Expense - 5% Project Cost		\$ (9,744.86)
	Estimated Total Expenses for Early Project		\$ 34,149.05

Lake Brownwood Siren Project					
13 Sirens					
	Total Grant Expense	FEMA Share 75%	Local Share 25%	Management Cost	Local Share Less Mgmt Cost
2022	\$ 331,045.00	\$ 248,283.75	\$ 82,761.25	\$ 16,500.00	\$ 66,261.25
2023	\$ 434,720.92	\$ 326,040.69	\$ 108,680.23	\$ 21,736.05	\$ 86,944.18

Lake Brownwood Siren Project					
7 Sirens					
	Poles, Sirens & Base Station	FEMA Share 75%	Local Share 25%	Management Cost	Local Share Less Mgmt Cost
2023	\$ 252,572.45	\$ 189,429.34	\$ 63,143.11	\$ 12,628.62	\$ 50,514.49

Deduct Base Station

	Poles, Sirens	FEMA Share 75%	Local Share 25%	Management Cost	Local Share Less Mgmt Cost
2023	\$ 233,205.91	\$ 174,904.43	\$ 58,301.48	\$ 11,660.30	\$ 46,641.18

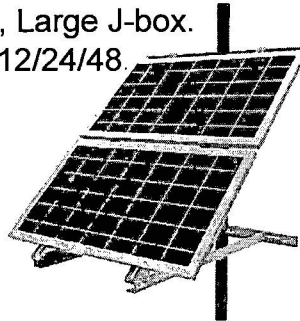
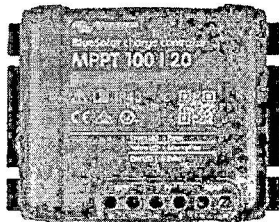
508-128 High Powered Outdoor Siren		508-128	
	#	Each	Extended
Federal Signal's 508-128 siren is a high power, rotating, unidirectional, outdoor warning siren that offers an anechoic chamber-certified signal strength of 128 dBc. The high-decibel output provides maximum coverage with minimum installation cost. The siren's projector rotates at 3 RPM and can produce three distinct warning signals: steady, wail and fast wail.			
	13	\$ 9,920.00	\$128,960.00



Two Way Siren Controller		DCFCTBDH	
	#	Each	Extended
Two-way siren controller for 48VDC Sirens. Two-way radio control and status monitoring. Available in VHF and UHF configurations. Simultaneous two-tone sequential, DTMF, EAS, POCSAG, and digital AFSK decoding for security. Able to utilize multiple communication paths for redundancy. Controls mechanical sirens, including models 2001-130, Equinox, 508-128 and Eclipse8. Solar options available. Push buttons for local activation. UL Listed for general signaling. DNV Certified			
	13	\$ 7,360.00	\$ 95,680.00



Solar Panel Kit		KIT-24/48 PN: 270371	
	#	Each	Extended
Solar Panel Side of Pole Mount Reinforced Manufactured. SunWise 195 Watt, 24V Solar Module, C1D2, Large J-box. VictronConnect Smart Solar MPPT regulator 12/24/48.			
	13	\$ 3,557.71	\$ 46,250.23



Battery - AGM		AGM 31DT	
	#	Each	Extended
<ul style="list-style-type: none"> Batteries – AGM Set of 4 Batteries per siren setup Nominal Voltage (V) 12V Capacity at 500CCA Weight 45.7 LBS Plate Alloy Lead Calcium Posts Forged Terminals & Bushings Container/Cover Polypropylene Operating Temperature Range -40°F (-40°C) - 140°F (60°C) 			
	52	\$ 279.35	\$ 14,526.20



Brown County Lake Brownwood Siren Equipment - Installation Detail - Base Station

OMNI-4			
	#	Each	Extended
• Fiberglass Antenna, 152-156 MHZ VHF, 3dB gain	13	\$ 365.55	\$ 4,752.15
• 30FT LMR400 Coax, low loss			
• FM2 Bracket for Fiberglass Antenna			

Antenna Mounting Bracket		AMB-P	
	#	Each	Extended
Federal Signal side of pole antenna bracket. 16" offset. Mounts to any utility pole.	13	\$ 124.00	\$ 1,612.00

50ft Wood Pole			
	#	Each	Extended
Class 2-50 ft wooden pole	13	\$ 1,062.50	\$ 13,812.50

TurnKey System Installation			
Goddard Enterprises crew for build out and installation of warning siren. All building supplies provided by Goddard Enterprises. All heavy equipment such as trucks and hardware will be supplied by Goddard Enterprises unless otherwise agreed upon.			

Installation - Siren Tech II (Journeyman)			
	#	Each	Extended
• (8) hour work day per site install and removal	120	\$ 160.71	\$ 19,285.20
• (13) Installation - Siren Tech II (Journeyman)			
• (2) Travel Day with use of Bucket Truck			

Installation - Bucket Truck with Operator			
	#	Each	Extended
• (8) hour work day per site install.	120	\$ 229.17	\$ 27,500.40
• (9) Installation - Bucket Truck with Operator			

Installation - Digger Derrick with Operator			
	#	Each	Extended
• (8) hour work day per site install.	120	\$ 275.00	\$ 33,000.00
• (9) Installation - Digger Derrick with Operator			

Optimization and Configuration			
	#	Each	Extended
• 7- (8) hour work days.	1	\$ 2,352.00	\$ 2,352.00
• (4) day of Optimization and Configuration			
• (1) day of Training on Commander software & Training on CommanderOne			
* (2) Travel Day with use of Bucket Truck			

Lodging Per Diem			
	#	Each	Extended
• Lodging per per person, per night not to exceed	75	\$ 156.25	\$ 11,718.75
• Assumes 5 techs over a 15 day period.			

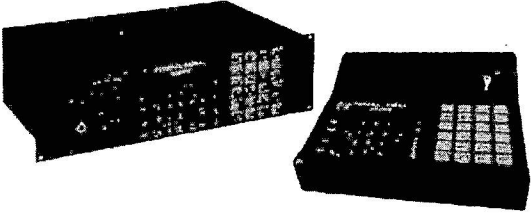
Meal/Incidentals Per Diem			
	#	Each	Extended
• Assumes 5 techs over a 15 day period.			
• Not to exceed \$500/Day/Tech	75	\$ 51.75	\$ 3,881.25
• Per-diem Meal/Incidentals rate of \$51.75/Day/person			

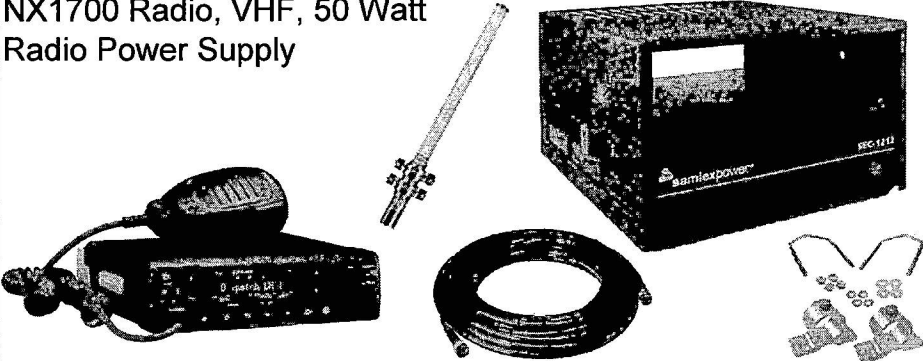
Shipping & Handling - Sirens & Site Equipment			
	#	Each	Extended
Shipping & Handling	1	\$13,475.00	\$ 13,475.00

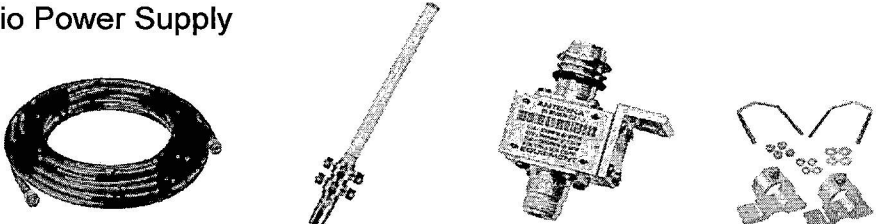
CommanderOne-S			
	#	Each	Extended
CommanderOne is a cloud base approach to operating your siren system. You get the flexibility of being able to operate and monitor your siren system from anywhere in the world right from your smartphone. The CommanderOne software utilizes 256bit encryption that protects against un-authorized access to the system. Siren monitoring & report back features that detect loss of function, sound failure, intrusion, battery failure, and more.			
-Mobile activation with your iOS or Android device	1	\$ 5,750.00	\$ 5,750.00
-Push Alerts, text alerts, email alerts			
-Full Commander report back experience from any web enabled or desktop device			
-Automatic activation based off NWS polygons			
-5 User Licenses (1 license per user)			
-Activate your Sirens from your smartphone			

PC-Basic X-PCD1			
	#	Each	Extended
Basic PC Configuration for CommanderOne Control System.			
Byte speed Performance H470s Mini			
Case, Deskmini H470. Hdmi, Dp, Vga, Usb3.1 X5, Usb-C X2, AX			
Processor, Intel 13-10100 Quadcore, 3.6ghz, Lga1200			
Memory, Kingston 8gb Ddr4 3200mhz Non-Ecc 1x16, Ssd,			
Samsung 870 Evo 250gb 2.5" Sata, Mz-77e250b/Am	1	\$ 3,412.00	\$ 3,412.00
Accessory, Vesa Mount For H310s/A300s, Deskmini Vesa			
License, Windows 11 Pro Standard Dfr Olc 0a3, Kr5-00007			
Keyboard / Mouse, logitech mk270 wireless combo			
Monitor, asus 21.5" led led 16:9 5ms 1920x1080			

Brown County Lake Brownwood Siren Equipment - Installation Detail - Base Station

SS2000+ Encoder		SS2000+	
<p>The SS2000+ controller is the most advanced stand-alone control unit. The SS2000+ interfaces to an analog or digital radio system to provide control of sirens or giant voice systems. The SS2000+ has 24 programmable activation hotkeys and 20 contact closure inputs for interfacing with remote control systems. The hotkeys can provide specific types of warnings or test activations. Hotkeys are now accessible from a new web interface commonly used in dispatch centers. The new web interface can provide improved redundancy allowing multiple points of access to a single SS2000+ unit. Available in a desktop and rack mount console</p> 	#	Each	Extended
	1	\$ 3,432.00	\$ 3,432.00

Base Station Equipment		BSH	
<p>NX1700 Radio, VHF, 50 Watt Radio Power Supply</p> 	#	Each	Extended
	1	\$ 3,270.40	\$ 3,270.40

Two-Way Antenna Kit for base station		OMNI-4	
<p>NX1700 Radio, VHF, 50 Watt Radio Power Supply</p> 	#	Each	Extended
	1	\$ 365.60	\$ 365.60

Antenna Mounting Bracket		AMB-P	
<p>Federal Signal side of pole antenna bracket. 16" offset. Mounts to any utility pole.</p>	#	Each	Extended
	1	\$ 123.20	\$ 123.20

Brown County Lake Brownwood Siren Equipment - Installation Detail - Base Station

Siren Tech II (Journeyman)			
	#	Each	Extended
is skilled in technical knowledge, experience, and communication skills. • Installation of base equipment • Setting up computer • Running coax cable up to 100 ft single story. • Mounting antenna	1	\$ 1,125.04	\$ 1,125.04

Shipping & Handling - Base Station			
	#	Each	Extended
Shipping & Handling	1	\$ 437.00	\$ 437.00

Total Expenses Lake Brownwood Siren System	\$ 434,720.92
---	----------------------

No More Than 5% Management Expense	\$ 21,736.05
---	---------------------

Brown County Storm Siren System Locations Lake Brownwood

County Oaks Lane & TX-279	31.78713059725978, -99.09355100299284
Indian Mountain Road & Baylie	31.814225749107184, -99.09682933182737
TX-279 & Adam Avenue	31.836740210737815, -99.10330546066209
Sandy Beach Rd & Sandy Beach Park	31.83548572584414, -99.07290856066214
FM 611, approx. 875' north Cove Circle	31.811252674867365, -99.06719651060864
Flatrock Road & Kitten Lane	31.82244925470548, -99.05099896273437
Baptist Encampment Road, approximately 1800' southwest of Shady Oaks Drive	31.81069399356671, -99.02285901973865
FM 617 & Davis	31.834645383231827, -99.01236966548625
FM 460, approximately 500' north of FM 558	31.842447073039875, -99.02780611212809
Deep Water Rd, approx. 4330' N from Spillway Rd	31.851190418488684, -98.99953973065345
FM 536 & Morriss Lane	31.860553844296867, -99.044055957604
Oak Point Drive & Lake Vista Drive	31.875689724797045, -99.01038564531993
FM 454, approx. 550' S of 10371 Cliff Dr	31.88493628882798, -99.02637193810007

1. Lale Brownwood Siren Project - - - 678 Days
 - a. Grant not awarded yet
 - b. Project reduced from 13 sirens to 7 due to location effectiveness.

2. Early Siren Project - - - - - 678 Days
 - a. Grant not awarded yet
 - b. Project reduced from 6 sirens to 5 due to location effectiveness.

3. Brown County Unincorporated Siren Project - 683 Days
 - a. **Grant awarded**
 - b. Project reduced from 7 sirens to 4 due to location effectiveness.

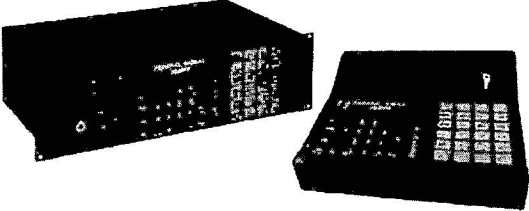
4. Base Station
 - a. Location to be at the Law Enforcement Center
 - b. One Base Station can operate all sirens
 - c. New Base Stations can be ordered w/dual SIMM capabilities
 - d. Opportunity for Brownwood to link into our base station.

5. Unknowns currently
 - a. Current cost of equipment due to price increases
 - b. Cost of secondary SIM Service

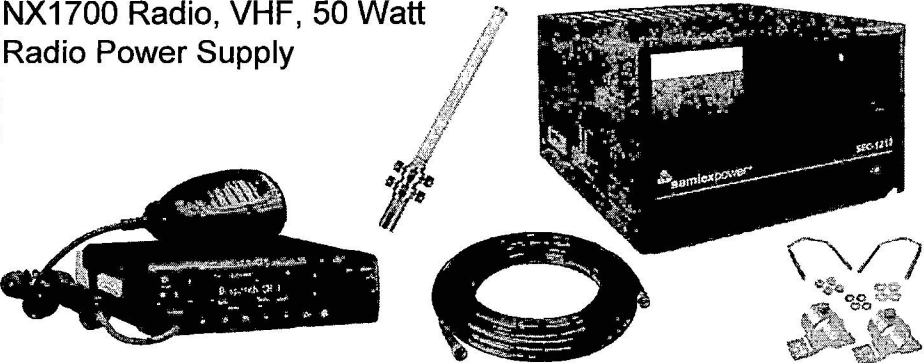
6. Backbone service through AT&T
 - a. \$30 per siren per month = \$120/month reoccurring fee. AT&T has agreed to invoice for 5 years @ \$30/siren = \$7200.00 which will be factored into the grant paperwork update.

Brown County Lake Brownwood Siren Equipment - Installation Detail - Base Station

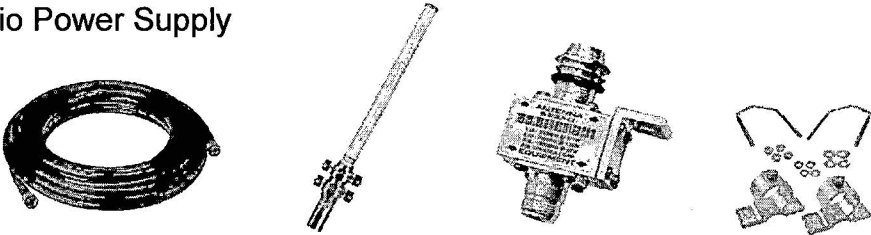
SS2000+ Encoder		SS2000+	
The SS2000+ controller is the most advanced stand-alone control unit. The SS2000+ interfaces to an analog or digital radio system to provide control of sirens or giant voice systems. The SS2000+ has 24 programmable activation hotkeys and 20 contact closure inputs for interfacing with remote control systems. The hotkeys can provide specific types of warnings or test activations. Hotkeys are now accessible from a new web interface commonly used in dispatch centers. The new web interface can provide improved redundancy allowing multiple points of access to a single SS2000+ unit. Available in a desktop and rack mount console			
#	Each	Extended	
1	\$ 3,432.00	\$	3,432.00



Base Station Equipment		BSH	
NX1700 Radio, VHF, 50 Watt Radio Power Supply			
#	Each	Extended	
1	\$ 3,270.40	\$	3,270.40



Two-Way Antenna Kit for base station		OMNI-4	
NX1700 Radio, VHF, 50 Watt Radio Power Supply			
#	Each	Extended	
1	\$ 365.60	\$	365.60



Antenna Mounting Bracket		AMB-P	
Federal Signal side of pole antenna bracket. 16" offset. Mounts to any utility pole.			
#	Each	Extended	
1	\$ 123.20	\$	123.20

Meal/Incidentals Per Diem			
	#	Each	Extended
• Assumes 5 techs over a 15 day period.	75	\$ 51.75	\$ 3,881.25
• Not to exceed \$500/Day/Tech			
• Per-diem Meal/Incidentals rate of \$51.75/Day/person			

Shipping & Handling - Sirens & Site Equipment			
	#	Each	Extended
Shipping & Handling	1	\$13,475.00	\$ 13,475.00

CommanderOne-S			
	#	Each	Extended
<p>CommanderOne is a cloud base approach to operating your siren system. You get the flexibility of being able to operate and monitor your siren system from anywhere in the world right from your smartphone. The CommanderOne software utilizes 256bit encryption that protects against un-authorized access to the system. Siren monitoring & report back features that detect loss of function, sound failure, intrusion, battery failure, and more.</p> <ul style="list-style-type: none"> -Mobile activation with your iOS or Android device -Push Alerts, text alerts, email alerts -Full Commander report back experience from any web enabled or desktop device -Automatic activation based off NWS polygons -5 User Licenses (1 license per user) -Activate your Sirens from your smartphone 	1	\$ 5,750.00	\$ 5,750.00

PC-Basic	X-PCD1		
	#	Each	Extended
<p>Basic PC Configuration for CommanderOne Control System.</p> <p>Byte speed Performance H470s Mini</p> <p>Case, Deskmini H470. Hdmi, Dp, Vga, Usb3.1 X5, Usb-C X2, AX</p> <p>Processor, Intel 13-10100 Quadcore, 3.6ghz, Lga1200</p> <p>Memory, Kingston 8gb Ddr4 3200mhz Non-Ecc 1rx16, Ssd,</p> <p>Samsung 870 Evo 250gb 2.5" Sata, Mz-77e250b/Am</p> <p>Accessory, Vesa Mount For H310s/A300s, Deskmini Vesa</p> <p>License, Windows 11 Pro Standard Dfr Olc 0a3, Kr5-00007</p> <p>Keyboard / Mouse, logitech mk270 wireless combo</p> <p>Monitor, asus 21.5" led led 16:9 5ms 1920x1080</p>	1	\$ 3,412.00	\$ 3,412.00

Brown County Lake Brownwood Siren Equipment - Installation Detail - Base Station

OMNI-4			
	#	Each	Extended
• Fiberglass Antenna, 152-156 MHZ VHF, 3dB gain	13	\$ 365.55	\$ 4,752.15
• 30FT LMR400 Coax, low loss			
• FM2 Bracket for Fiberglass Antenna			

Antenna Mounting Bracket		AMB-P	
	#	Each	Extended
Federal Signal side of pole antenna bracket. 16" offset. Mounts to any utility pole.	13	\$ 124.00	\$ 1,612.00

50ft Wood Pole			
	#	Each	Extended
Class 2-50 ft wooden pole	13	\$ 1,062.50	\$ 13,812.50

TurnKey System Installation			
Goddard Enterprises crew for build out and installation of warning siren. All building supplies provided by Goddard Enterprises. All heavy equipment such as trucks and hardware will be supplied by Goddard Enterprises unless otherwise agreed upon.			


Installation - Siren Tech II (Journeyman)			
	#	Each	Extended
• (8) hour work day per site install and removal	120	\$ 160.71	\$ 19,285.20
• (13) Installation - Siren Tech II (Journeyman)			
• (2) Travel Day with use of Bucket Truck			


Installation - Bucket Truck with Operator			
	#	Each	Extended
• (8) hour work day per site install.	120	\$ 229.17	\$ 27,500.40
• (9) Installation - Bucket Truck with Operator			

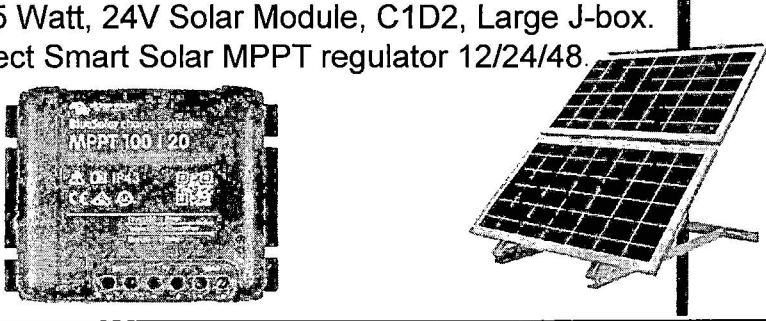
Installation - Digger Derrick with Operator			
	#	Each	Extended
• (8) hour work day per site install.	120	\$ 275.00	\$ 33,000.00
• (9) Installation - Digger Derrick with Operator			

Optimization and Configuration			
	#	Each	Extended
• 7- (8) hour work days.	1	\$ 2,352.00	\$ 2,352.00
• (4) day of Optimization and Configuration			
• (1) day of Training on Commander software & Training on CommanderOne			
* (2) Travel Day with use of Bucket Truck			

Lodging Per Diem			
	#	Each	Extended
• Lodging per per person, per night not to exceed	75	\$ 156.25	\$ 11,718.75
• Assumes 5 techs over a 15 day period.			

508-128 High Powered Outdoor Siren		508-128	
Federal Signal's 508-128 siren is a high power, rotating, unidirectional, outdoor warning siren that offers an anechoic chamber-certified signal strength of 128 dBc. The high-decibel output provides maximum coverage with minimum installation cost. The siren's projector rotates at 3 RPM and can produce three distinct warning signals: steady, wail and fast wail.	#	Each	Extended
		13	\$ 9,920.00

Two Way Siren Controller		DCFCTBDH	
Two-way siren controller for 48VDC Sirens. Two-way radio control and status monitoring. Available in VHF and UHF configurations. Simultaneous two-tone sequential, DTMF, EAS, POCSAG, and digital AFSK decoding for security. Able to utilize multiple communication paths for redundancy. Controls mechanical sirens, including models 2001-130, Equinox, 508-128 and Eclipse8. Solar options available. Push buttons for local activation. UL Listed for general signaling. DNV Certified	#	Each	Extended
		13	\$ 7,360.00

Solar Panel Kit		KIT-24/48 PN: 270371	
Solar Panel Side of Pole Mount Reinforced Manufactured. SunWise 195 Watt, 24V Solar Module, C1D2, Large J-box. VictronConnect Smart Solar MPPT regulator 12/24/48.	#	Each	Extended
		13	\$ 3,557.71

Battery - AGM		AGM 31DT	
<ul style="list-style-type: none"> Batteries – AGM Set of 4 Batteries per siren setup Nominal Voltage (V) 12V Capacity at 500CCA Weight 45.7 LBS Plate Alloy Lead Calcium Posts Forged Terminals & Bushings Container/Cover Polypropylene Operating Temperature Range -40°F (-40°C) - 140°F (60°C) 	#	Each	Extended
		52	\$ 279.35