



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **64549** | Service: **DTV** | Call **WXOW** | Channel: **28 (UHF)** |
ID:
File **0000027498** | Sign:
Number:
FRN: **0030885057** | Date **02/24**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WXOW-WQOW License, LLC Doing Business As: WXOW-WQOW License, LLC	P.O. Box 909 Quincy, IL 62306 United States	+1 (217) 223- 5100	bdreasler@quincymedia. com	Limited Liability Company

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Tony zumMallen QCommunications, LLC	Tony zumMallen 705B SE Melody LN #314 Lees Summit, MO 64063 United States	+1 (816) 729- 1177	tony@qcom1. com

**Broadcaster
Information
and
Transition
Plan**

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	Transition from ch48 to ch28 will require a new top mount antenna, line and transmitter. An interim system will be required to provide market coverage during the transition.

Transmitters

Section	Question	Response
Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	Atlas
	Year	2004
	Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power Capacity	13 kW

**Primary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	ULXTE-40
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	25.3 kW
	Justification for New Transmitter	Existing transmitter is not tunable per the manufacturer. 1-16-20 - administrative correction of kW of the GATES ULXTE-40 from est 25.0 to actual 25.3. no monetary change.

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA

	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	200.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	25 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Replace ARC remote control	Replace ARC remote control system
Transmitter Site Preparation	Site prep for installation of the interim and main transmitters and RF components not part of Installation SOW.
Transmitter Training	Transmitter training - offsite - 1 week in duration at mfg site.
Electrical systems installation for new transmitters	Electrician required to provide and install the equipment in preparation of the new transmitters electrical requirements.

FRIEGHT	FREIGHT FROM MFG TO STAGING AREA
Remove Filter and elevate unit	Repack filter removal and rig and move elevated unit.
Sales Tax	Sales tax for eq
Plumbing of the new transmitter cooling systems	new transmitter cooling systems needs to be installed and decommmed
Disconnect existing Transmitter	Disconnect transmitter and components from existing configuration and move within building
Site Survey - TX	Site survey is required to be performed before the new transmitter and components installation plan can be finalized.

**Interim
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-20
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	12 kW
	Justification for New Transmitter	Interim facility is required to avoid prolonged period of station silence during transition, and station currently has no aux facility to use for interim operation. Extended silent period during transition to new channel is unreasonable.

**Interim
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No

	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	200.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	Yes

Interim Transmitter

Other Transmitter Cost Not Listed

Name	Description
Transmitter Site Preparation	Site prep for installation of the interim and main transmitters and RF components not part of Installation SOW.
Sales tax	sales tax for equipment

FRIEGHT	FREIGHT FROM MFG TO STAGING AREA
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Antennas

Section	Question	Response
Antenna Related Expenses	Do you have antenna related expenses?	Yes

Primary Antenna

Add Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this antenna currently shared with any other stations?	No
	Is this antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	371.0 kW

Manufacturer	
Model	TWS-30T
Year	1989

**Primary
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	18
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	50.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	251.0 kW
	Manufacturer	
	Model	TFU-18GTH

Year	2017
Justification for New Antenna	Existing antenna is not tunable to new channel assignment. Adding Vertical component to Primary antenna and do not know of any upgraded pricing as of time of filing.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	4 1/16 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	

Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary
Antenna**

Other Antenna Cost Not Listed

Information not provided.

**Interim
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	8
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	75.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	20.0 kW
	Manufacturer	
	Model	TFU-8WB
	Year	2017

	Justification for New Antenna	Interim facility is required to avoid prolonged period of station silence during transition, and station currently has no aux facility to use for interim operation. Extended silent period during transition to new channel is unreasonable.
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Interim Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	2
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	Yes
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	B
	Feed Line Size	4 1/16 inches

Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Enter a list of RF channel numbers.

RF Channel Number
50
48

Interim
Antenna

Other Antenna Cost Not Listed

Name	Description
FREIGHT	FREIGHT FOR DELIVERY TO STAGING AREA OR STATION

Transmission Line

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary
Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	4 1/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	900 feet per run

Primary **New Transmission Line**
Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	4 1/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	900 feet per run
	Justification for New Transmission Line	Required to make the channel reassignment change over.

Primary **Other Transmission Line Expenses Not Listed**
Transmission Line

Name	Description
Security - Site	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.
Disconnect existing Interior RF components	Disconnect interior transmission line and filters from existing configuration and move within the building.

**Interim
Transmission Line**

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	4 1/16 inches
	Segment Length	20'
	Other Segment Length	
	Number of parallel runs	1
	Length	900 feet per run
	Justification for New Transmission Line	Interim facility is required to avoid prolonged period of station silence during transition, and station currently has no aux facility to use for interim operation. Extended silent period during transition to new channel is unreasonable.

Interim	Other Transmission Line Expenses Not Listed
Transmission Line	Information not provided.

Tower Equipment And Rigging Costs

Section	Question	Response
Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	Yes
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1035149
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	43° 48' 23.0" N-
	Longitude (NAD83)	091° 22' 03.0" W-
	Overall Structure Height	819.22 feet
	Support Structure Height	763.44 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1225.71 feet

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	WXOW-WQOW Television, Inc.
	Date Constructed	10/23/1982

FM, AM or TV radio broadcasters. Facility ID's, Call Signs and Services of other broadcast stations with whom the tower is shared

Facility ID	Call Sign	Service
20665	WIZM-FM	FM

Other Types of Users

Users
2-Way service

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Minor Reinforcements needed

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A

Helicopter Services Required	Are helicopter services required?	No
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**Primary
Tower**

Other Tower Expenses Not Listed

Information not provided.

**Outside
Professional Services Costs**

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	1301
	Explanation	Scope & significance of project (QMI has multiple stations repacked) require outside management services to augment existing internal personnel to assist turnkey management of and ensure timely and safe execution of channel relocation.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes

	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes

RF exposure measurements	No
Additional Field Engineering Service	No
Number of Days	N/A
Justification	N/A

Outside Professional

Other Professional Services Expenses Not Listed

Services Costs Name	Description
General Repack Attorney	See uploaded memo-QMI Repack Invoice Memo for Shared Legal Expenses (Matter 104411 00054) for Form 399
Quarterly reporting -Atty	Preparation and submittal of the FCC required quarterly report 387 by the attorney.
PM Reimbursable expenses	Expenses in quotes that are reimbursable for travel and in field Per Diem

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses	Other Expenses Not Listed Information not provided.
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Cost Information

Transmitters

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmitter ULXTE-20	\$730,863.12	\$690,463.12		\$548,942.03	
Transmitter Site Preparation	<i>\$5,000.00</i>	\$5,000.00	Site prep for installation of the interim and main transmitters and RF components not part of Installation SOW.	\$4,000.00	N/A
FRIEGHT	<i>\$6,811.29</i>	\$6,811.29	Freight from mfg to staging per Q-61103 - 10-11-18- ACTUAL INVOICED	\$6,811.29	N/A
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$470,000.00	N/A	\$461,538.57	N/A
UHF inside RF system including switching	\$147,500.00	\$140,000.00	N/A	\$33,623.59	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$30,000.00	Dropped estimated costs by \$6,300.	\$9,316.75	N/A

2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	N/A	N/A
Sales tax	\$33,651.83	\$33,651.83	sales tax calc per mfg quote and inv - 10-11-18- ACTUAL BILLED PER STATE TAX RATE 6.875	\$33,651.83	N/A
Primary Transmitter ULXTE-40	\$1,414,582.76	\$1,420,573.82		\$1,232,167.14	
Site Survey - TX	\$25,000.00	\$25,000.00	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.	\$14,500.00	N/A
Remove Filter and elevate unit	\$7,541.00	\$7,541.00	Costs to remove filter and elevate unit per actual invoices.	\$7,541.00	N/A
Electrical systems installation for new transmitters	\$108,796.00	\$108,796.00	Electrician required to provide and install the equipment in preparation of the new transmitters electrical requirements. per po20228	\$108,796.00	N/A

Transmitter Training	\$3,300.00	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A	N/A
Transmitter Site Preparation	\$7,000.00	\$7,000.00	Site prep for installation of the interim and main transmitters and RF components not part of Gates SOW.	\$6,500.00	N/A
Disconnect existing Transmitter	\$25,000.00	\$25,000.00	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	\$23,500.00	N/A
Plumbing of the new transmitter cooling systems	\$22,570.00	\$22,570.00	plumber required to install the new transmitter cooling systems per PO20217	\$17,318.81	N/A
Sales Tax	\$61,880.85	\$61,880.85	Actual Sales tax est on mfg invoice	\$61,880.85	Actual taxes not calculated in original quote.
FRIEGHT	\$10,185.02	\$10,185.02	Actual FREIGHT-PER INV US0314196 and USO0319912	\$10,185.02	N/A

Replace ARC remote control	\$10,209.89	\$10,209.89	Replace ARC remote control system. Costs per actual invoices from BURK.	\$0.00	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	\$5,697.50	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$900,000.00	N/A	\$807,916.37	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$73,437.16	based on actual costs (Gates Quote: Q- 61102 plus change order Q-79070)	\$56,377.69	N/A

25 Ton system	\$91,500.00	\$111,953.90	Bernie Buchner PO 20296 = \$98,735.00 Change order = \$6450.00 PO 20624 \$8053.00 for heat in tx room NOTE: The \$53,000 in the 15 ton system under the interim transmitter will not be used. All HVAC components were included in above	\$111,953.90	Costs are actual per invoices attached plus associated change orders.
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	N/A	N/A
Sub-total	\$2,145,445.88	\$2,111,036.94	N/A	\$1,781,109.17	N/A
Total for all systems	\$3,839,467.39	\$3,851,254.93	N/A	\$2,850,524.87	N/A

Components

Actual Information	
Description	File Name
Transmitter Site Preparation	<p>Component Description: WXOW- QCOMM - SITE PREP-INV QC18-034 - INT</p> <p>Amount: \$4,000.00</p>

FRIEGHT	Component Description:	WXOW-GATES-INT INV
		US0316088 LINE
	Amount:	FREIGHT
		\$6,811.29
	Component Description:	WXOW-GATES-FREIGHT-INV-
		US314197
	Amount:	
		\$5,400.00
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	Component Description:	WXOW-BORTON-CHILLER INV-
		4805 - REMOVE
	Amount:	VARIANCE
		\$19,659.00
	Component Description:	WXOW- CORY-
		MASK FILTER
	Amount:	STAND-INV-18-451
		\$2,150.00
	Component Description:	WXOW-GATES-TX-INV-
		US0314197- LINE
	Amount:	A,B
		\$135,028.97
	Component Description:	WXOW-GATES-INV US316088-
		LINE E INSTALL
	Amount:	
		\$11,547.56

Component Description:	2nd 1/3 payment FOR INTERIM TX PER VALIDATED 399-Quote-Q- 61103 Lines-(A B and E) Total is \$439,729.57. Which is below \$470k allotment.
Amount:	\$146,576.52

Component Description:	1/3 DOWN FOR INTERIM TX PER VALIDATED 399- Quote-Q-61103 Lines-(A B and E) Total is \$439,729.57. Which is below \$470k allotment.
Amount:	\$146,576.52

UHF inside RF system including switching	Component Description:	WXOW-GATES- INV-US0314197- LINE C
	Amount:	\$11,207.87
	Component Description:	WXOW-RF Switching Gates Quote G-61103 LINE C. RF Accessories- 2nd inv 1/3
	Amount:	\$11,207.86
	Component Description:	WXOW-RF Switching Gates Quote G-61103 LINE C. RF Accessories- dep inv 1/3
	Amount:	\$11,207.86

Switchgear - industrial 800 amp	<div> <div> Component Description: Amount: </div> <div> Gates-quote Q-61103-INT Electrical switching-LINE D. 1/3 deposit per inv. \$3,532.54 </div> </div> <div> <div> Component Description: Amount: </div> <div> WXOW-GATES-INV-US0314197-LINE D \$22.90 </div> </div> <div> <div> Component Description: Amount: </div> <div> WXOW-GATES-INT- INV US0316088 LINE D ELEC \$2,228.77 </div> </div> <div> <div> Component Description: Amount: </div> <div> Gates-quote Q-61103-INT Electrical switching-LINE D. 2nd 1/3 payment \$3,532.54 </div> </div>
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

Sales tax	<table> <tr> <td data-bbox="711 179 1015 206">Component Description:</td><td data-bbox="1150 179 1356 322">WXOW-GATES- INT INV US0316088 LINE TAX</td></tr> <tr> <td data-bbox="711 340 815 367">Amount:</td><td data-bbox="1150 340 1283 367">\$22,561.29</td></tr> <tr> <td data-bbox="711 479 1015 506">Component Description:</td><td data-bbox="1150 479 1356 779">WXOW- SALES tax - 33 percent payment per Q- 61103. march 5th- Rounding error added 1 cent to request to match the INV request.</td></tr> <tr> <td data-bbox="711 797 815 824">Amount:</td><td data-bbox="1150 797 1283 824">\$11,090.54</td></tr> <tr> <td data-bbox="711 936 1015 963">Component Description:</td><td data-bbox="1150 936 1345 1039">WXOW-GATES- TAX-INV- US0314197</td></tr> <tr> <td data-bbox="711 1057 815 1084">Amount:</td><td data-bbox="1150 1057 1283 1084">\$19,785.63</td></tr> </table>	Component Description:	WXOW-GATES- INT INV US0316088 LINE TAX	Amount:	\$22,561.29	Component Description:	WXOW- SALES tax - 33 percent payment per Q- 61103. march 5th- Rounding error added 1 cent to request to match the INV request.	Amount:	\$11,090.54	Component Description:	WXOW-GATES- TAX-INV- US0314197	Amount:	\$19,785.63
Component Description:	WXOW-GATES- INT INV US0316088 LINE TAX												
Amount:	\$22,561.29												
Component Description:	WXOW- SALES tax - 33 percent payment per Q- 61103. march 5th- Rounding error added 1 cent to request to match the INV request.												
Amount:	\$11,090.54												
Component Description:	WXOW-GATES- TAX-INV- US0314197												
Amount:	\$19,785.63												
Site Survey - TX	<table> <tr> <td data-bbox="711 1227 1015 1254">Component Description:</td><td data-bbox="1150 1227 1356 1330">WXOW- QCOMM SURVEY INV- QC18-028</td></tr> <tr> <td data-bbox="711 1348 815 1375">Amount:</td><td data-bbox="1150 1348 1283 1375">\$14,500.00</td></tr> </table>	Component Description:	WXOW- QCOMM SURVEY INV- QC18-028	Amount:	\$14,500.00								
Component Description:	WXOW- QCOMM SURVEY INV- QC18-028												
Amount:	\$14,500.00												
Remove Filter and elevate unit	<table> <tr> <td data-bbox="711 1518 1015 1545">Component Description:</td><td data-bbox="1150 1518 1374 1662">Cary - Invoice to repack WXOW filter removal - INV 18-790 - PO 20328</td></tr> <tr> <td data-bbox="711 1680 815 1706">Amount:</td><td data-bbox="1150 1680 1267 1706">\$6,800.00</td></tr> <tr> <td data-bbox="711 1818 1015 1845">Component Description:</td><td data-bbox="1150 1818 1374 1921">Cary - invoice to elevate unit. INV 18-467 - PO 20482</td></tr> <tr> <td data-bbox="711 1939 815 1966">Amount:</td><td data-bbox="1150 1939 1246 1966">\$741.00</td></tr> </table>	Component Description:	Cary - Invoice to repack WXOW filter removal - INV 18-790 - PO 20328	Amount:	\$6,800.00	Component Description:	Cary - invoice to elevate unit. INV 18-467 - PO 20482	Amount:	\$741.00				
Component Description:	Cary - Invoice to repack WXOW filter removal - INV 18-790 - PO 20328												
Amount:	\$6,800.00												
Component Description:	Cary - invoice to elevate unit. INV 18-467 - PO 20482												
Amount:	\$741.00												
Electrical systems installation for new													

Component Description:	Final invoice for electrical install work on tx. INV 16458; PO 20228. NOTE: Vendor name is actually P & T Electric, Inc, but since the tool does not allow special characters, it was input as P and T Electric, substituting "and" for "&".
Amount:	\$9,815.00

Component Description:	Additional electrical work to install tx. INV 16459; PO 20499. NOTE: Actual vendor name is P & T Electric, Inc.; however, tool does not allow special characters; substituted the "&" for "and".
Amount:	\$5,812.00

Component Description:	Electrical install work on tx. INV 16298; PO 20228. NOTE: Vendor name is actually P & T Electric, Inc. but as the tool did not allow for special characters, the "&" was written as "and".
Amount:	\$10,871.00

	Component Description:		WXOW-P&T ELECTRICAL FOR TX - INV15770 - 10-11-18 - MATRIX AND NAME
	Amount:		\$77,618.00
	Component Description:		WXOW- PAND T ELECTRIC - TX- INV 15885 - 10-11- 18 MATRIX AND NAME
	Amount:		\$4,680.00
Transmitter Training	Information not provided.		
Transmitter Site Preparation	Component Description:		WXOW-QCOMM- SITE PREP - INV QC18-034 MAIN
	Amount:		\$6,500.00
Disconnect existing Transmitter	Component Description:		WXOW- DECOM- TX-INV QC18-058
	Amount:		\$23,500.00
Plumbing of the new transmitter cooling systems	Component Description:		WXOW-BERNIE- PLUMBING FOR TX COOLERS- INV856698
	Amount:		\$17,318.81

Sales Tax

Component Description:

WXOW-
GATES_MAIN-TX
SALES TAX see
inv and Q-61102 3-
30-added 1 cent to
sales tax due to
rounding error.
Please delete the
duplicate request.
4-2- please
disregard or delete
this submittal.

Amount:

N/A

Component Description:

WXOW-
GATES_MAIN-TX
SALES TAX see
inv and Q-61102.
-3-30- USE THIS
submittal. FINAL
ANSWER...3:41pm
4-2- - corrected inv
\$ amount Use this
submittal and
delete the other.

Amount:

\$19,883.44

Component Description:

WXOW-GATES-
MAIN-INV-
US0314196-TAX

Amount:

\$34,563.72

Component Description:

Gates - Main TX
final invoice US
0319912 - sales
tax - actual per
state law.

Amount:

\$7,433.69

FRIEGHT	<div> <div> Component Description: Amount: </div> <div> Gates - Main tx - final invoice US0319912 - Freight actual amount - includes change order Q- 79070 \$4,543.39 </div> </div> <div> <div> Component Description: Amount: </div> <div> WXOW-GATES- FREIGHT-INV- US314196 \$5,641.63 </div> </div>
Replace ARC remote control	<div> <div> Component Description: Amount: </div> <div> Replace the remote control system. BURK - INV 00068545 - PO 20239. Invoice includes sales tax not included on original PO. \$10,209.89 </div> </div>
Transformer 3 phase/480v - 300 KVA	<div> <div> Component Description: Amount: </div> <div> Gates Air - Main TX - INV GO10004742-1 - Line D only. Previously denied. See cover sheet for justification for this amount (highlighted in pink). INV GO10004742-1 \$2,848.74 </div> </div>

	<p>Component Description: WXOW-GATES-MAIN-INV-US0314196-LINE D</p> <p>Amount: \$2,848.75</p>
	<p>Component Description: GATES-MAIN TX-WXOW -See quote Q-61102 LINE D is ELECTRIC parts. 1 /3 deposit required.</p> <p>Amount: \$2,848.74</p>
	<p>Component Description: 2ND PAYMENT-GATES-MAIN TX-WXOW -See quote Q-61102 LINE D is ELECTRIC parts. 3-30-added 1 cent to sales tax due to rounding error. Please delete the duplicate request. 4-2 - zeroed out. please delete this request.</p> <p>Amount: N/A</p>
	<p>Component Description: GATES-MAIN TX-WXOW -See quote Q-61102 LINE D is ELECTRIC parts. 4-3- Process this corrected submittal. UPLOADED QUOTE AND INV ZEROED BAD REQUEST</p> <p>Amount: \$2,848.75</p>
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	<div> <div>Component Description:</div> <div>Gates - FINAL inv US0319912 - Q-61102 - Change order Q-79070 - LINES A, B, E only</div> </div> <div> <div>Amount:</div> <div>\$64,264.75</div> </div>
	<div> <div>Component Description:</div> <div>WXOW -MAIN TX. 4-2- please use other submittal</div> </div> <div> <div>Amount:</div> <div>N/A</div> </div>
	<div> <div>Component Description:</div> <div>WXOW-GATES-MAIN-INV- US0314196-LINE A,B</div> </div> <div> <div>Amount:</div> <div>\$205,040.70</div> </div>
	<div> <div>Component Description:</div> <div>1/3 DEPOSIT REQUIRED -MAIN TX. QUOTE- Q-61102-LINES A,B and E is</div> </div> <div> <div>Amount:</div> <div>\$269,305.46 \$269,305.46</div> </div>
	<div> <div>Component Description:</div> <div>2nd Payment - WXOW -MAIN TX. QUOTE- Q-61102- LINES A,B and E is \$269,305.46 4-3- please use this submittal</div> </div> <div> <div>Amount:</div> <div>\$269,305.46</div> </div>
Switchgear - industrial 800 amp	

Component Description:	Gates Air - Main TX - 1st invoice GO10004742-1 - RF components - previously denied. See attached cover letter for justification that this amount is not a duplicate.
Amount:	\$17,059.47

Component Description:	GATES-MAIN TX RF Switching- quote Q-61102 - LINE is C or 1/3 deposit required.
Amount:	\$17,059.47

Component Description:	-4-2- please delete this request
Amount:	N/A

Component Description:	Gates - Main tx - final invoice US0319912 - Line C only. Q-61102, PLUS Change order Q-79070
Amount:	\$39,318.22

	<p>Component Description:</p> <p>GATES-MAIN TX RF Switching- quote Q-61102 - LINE is C or 2nd payment 4-3- Process this corrected submittal. UPLOADED QUOTE AND INV ZEROED BAD REQUEST</p> <p>Amount:</p> <p>\$17,059.47</p>
25 Ton system	<p>Component Description:</p> <p>WXOW BERNIE - HVAC INV 857343</p> <p>Amount:</p> <p>\$29,740.00</p> <p>Component Description:</p> <p>PLEASE DELETE THIS INVOICE FROM INTERIM TX HVAC. Bernie - Main TX HVAC #3 - INV 858777 - PO 20296 - CO 20521. See cover sheet and letter from Bernie for additional information.</p> <p>Amount:</p> <p>\$16,131.67</p> <p>Component Description:</p> <p>WXOW - Bernie - LP Heat for tx room - INV 862524 - PO 20624</p> <p>Amount:</p> <p>\$8,053.00</p>

	<div data-bbox="710 159 1364 427"> <p>Component Description: 11/27 Rev WXOW BERNIE HVAC INV 858171 PO 20296. See cover sheet and letter from vendor for explanations.</p> </div> <div data-bbox="710 439 1284 472"> <p>Amount: \$27,301.66</p> </div> <div data-bbox="710 577 1372 925"> <p>Component Description: WXOW - Bernie - Main TX HVAC - INV 859498 - PO 20296 - CO 20521. See cover sheet and letter from Bernie Buchner for additional information.</p> </div> <div data-bbox="710 936 1284 969"> <p>Amount: \$26,368.27</p> </div> <div data-bbox="710 1075 1372 1422"> <p>Component Description: WXOW - Bernie - Main TX HVAC #5 - INV 960975 - PO 20296 - CO 20521. See cover sheet and letter from Bernie Buchner for additional information.</p> </div> <div data-bbox="710 1433 1268 1467"> <p>Amount: \$4,359.30</p> </div> <div data-bbox="710 1572 1364 1684"> <p>Component Description: WXOW BERNIE HVAC INV 858777</p> <p>Amount: \$16,131.67</p> </div>
Service entrance 3 phase /800 amp/208 volt	Information not provided.

Cost
Information

Antennas

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-8WB	\$322,290.00	\$306,800.00		\$104,185.10	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A
Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	\$10,950.00	\$10,400.00	N/A	\$8,329.50	N/A

Combiner output splitting /switching for dual feed lines, if applicable	\$126,000.00	\$120,000.00	N/A	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$80,000.00	N/A	\$49,777.80	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
FREIGHT	\$6,000.00	\$6,000.00	FREIGHT FROM MFG TO STAGING OR STATION. MAY HAVE MULTIPLE SHIPPERS	\$5,645.30	N/A
UHF . Broadband Slot, Side Mount, 8 bay, 20 kW input, directional, horizontally polarized	\$60,000.00	\$57,000.00	N/A	\$40,432.50	N/A
Primary Antenna TFU-18GTH	\$287,680.00	\$286,160.00		\$235,444.51	
Sweep test of existing antenna	\$6,730.00	\$5,760.00	Includes Test Antenna system for frequency and Time domain response. Costs per actual invoices.	\$5,760.00	N/A

Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	\$10,950.00	\$10,400.00	N/A	\$9,110.70	N/A
UHF - High Power Top Mount One Station antenna elliptically or circularly polarized	\$270,000.00	\$270,000.00	Entered Catalog of Costs dollar amount. The Predetermined did not auto complete for the Primary antenna. To alleviate the situation add the CofC to the EST cost column. We do not have any upgrade costs at the time of the filing.	\$220,573.81	N/A
Sub-total	\$609,970.00	\$592,960.00	N/A	\$339,629.61	N/A
Total for all systems	\$3,839,467.39	\$3,851,254.93	N/A	\$2,850,524.87	N/A

Components

Actual Information Description	File Name
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.

<p>Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)</p>	<table> <tr> <td data-bbox="713 174 1023 208">Component Description:</td><td data-bbox="1155 174 1374 521">DIELECTRIC-WXOW-INTERIM-ELBOW-BALANCE INV LINE 16- 3-28-UPLOADED - Order Conf 405002 - 10-11-18 UPLOADED NEW</td></tr> <tr> <td data-bbox="713 535 823 568">Amount:</td><td data-bbox="1155 535 1251 568">\$925.50</td></tr> <tr> <td data-bbox="713 674 1023 707">Component Description:</td><td data-bbox="1155 674 1374 786">WXOW-INTERIM ELBOW DEPOSIT LINE #18</td></tr> <tr> <td data-bbox="713 792 823 826">Amount:</td><td data-bbox="1155 792 1275 826">\$4,164.75</td></tr> <tr> <td data-bbox="713 931 1023 965">Component Description:</td><td data-bbox="1155 931 1358 1043">WXOW-ELBOW-line18- 2nd 45 percent due-</td></tr> <tr> <td data-bbox="713 1050 823 1084">Amount:</td><td data-bbox="1155 1050 1275 1084">\$4,164.75</td></tr> </table>	Component Description:	DIELECTRIC-WXOW-INTERIM-ELBOW-BALANCE INV LINE 16- 3-28-UPLOADED - Order Conf 405002 - 10-11-18 UPLOADED NEW	Amount:	\$925.50	Component Description:	WXOW-INTERIM ELBOW DEPOSIT LINE #18	Amount:	\$4,164.75	Component Description:	WXOW-ELBOW-line18- 2nd 45 percent due-	Amount:	\$4,164.75
Component Description:	DIELECTRIC-WXOW-INTERIM-ELBOW-BALANCE INV LINE 16- 3-28-UPLOADED - Order Conf 405002 - 10-11-18 UPLOADED NEW												
Amount:	\$925.50												
Component Description:	WXOW-INTERIM ELBOW DEPOSIT LINE #18												
Amount:	\$4,164.75												
Component Description:	WXOW-ELBOW-line18- 2nd 45 percent due-												
Amount:	\$4,164.75												
<p>Combiner output splitting /switching for dual feed lines, if applicable</p>	<p>Information not provided.</p>												
<p>New combiner, cost per channel (without antenna)</p>	<table> <tr> <td data-bbox="713 1375 1023 1408">Component Description:</td><td data-bbox="1155 1375 1374 1568">WXOW - Dielectric - Combiner final invoice - INV 198012 - PO 20167</td></tr> <tr> <td data-bbox="713 1574 823 1608">Amount:</td><td data-bbox="1155 1574 1291 1608">\$25,731.30</td></tr> <tr> <td data-bbox="713 1713 1023 1747">Component Description:</td><td data-bbox="1155 1713 1350 1825">WXOW- DIE-COMBINER INV MAN00400</td></tr> <tr> <td data-bbox="713 1832 823 1865">Amount:</td><td data-bbox="1155 1832 1291 1865">\$24,046.50</td></tr> </table>	Component Description:	WXOW - Dielectric - Combiner final invoice - INV 198012 - PO 20167	Amount:	\$25,731.30	Component Description:	WXOW- DIE-COMBINER INV MAN00400	Amount:	\$24,046.50				
Component Description:	WXOW - Dielectric - Combiner final invoice - INV 198012 - PO 20167												
Amount:	\$25,731.30												
Component Description:	WXOW- DIE-COMBINER INV MAN00400												
Amount:	\$24,046.50												
<p>Sweep test of existing antenna</p>	<p>Information not provided.</p>												

FREIGHT	Component Description:	WXOW-DIE-FREIGHT - INV 170007
	Amount:	\$1,190.30
	Component Description:	WXOW-DIELECTRIC-INTERIM - FREIGHT INV 93053 - 3-28-uploaded Order Confirmation-405002
	Amount:	\$4,455.00
UHF . Broadband Slot, Side Mount, 8 bay, 20 kW input, directional, horizontally polarized	Component Description:	WXOW - INTERIM ANTENNA 45% DEPOSIT
	Amount:	\$20,216.25
	Component Description:	WXOW-DIELECTRIC-INTERIM-INV-89002-LINE 17 ANTENNA-BALANCE -3-28-UPLOADED Order Conf- 405002 - 10-11-18-NEW UPLOAD
	Amount:	\$4,492.50
	Component Description:	WXOW-ANT-INTERIM-2nd 45 percent -INV MAN00115-line 20
	Amount:	\$20,216.25

Sweep test of existing antenna

Component Description:

WXOW-MAIN
ANTENNA-
SWEEP
45PERCENT INV
LINES #26 4-5-
UPLOADED
UPGRADE AND
PO

Amount:

\$2,880.00

Component Description:

WXOW-SWEEP
TEST 10%
DEPOSIT INV
LINE #26

Amount:

\$640.00

Component Description:

SWEEP 35%
DEPOSIT INV
LINE#26

Amount:

\$2,240.00

Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)		
	Component Description:	WXOW- DIELECTRIC- ELBOW - 45% INV LINES # 5 AND 6 4-5- UPLOADED UPGRADE AND PO
	Amount:	\$4,555.35
	Component Description:	ELBOW - 35% DEPOSIT INV LINES # 5 AND 6 ONLY
	Amount:	\$3,543.05
	Component Description:	WXOW- ELBOW 10% DEPOSIT FOR LINES #5 AND 6
	Amount:	\$1,012.30

UHF - High Power Top
Mount One Station antenna
elliptically or circularly
polarized

Component Description:

WXOW-MAIN
ANTENNA 10
DEPOSIT INV
LINES #1,3, AND
4. LINE #2 IS NOT
BILLED TO THE
FCC FOR IT IS
THE V-POL
UPGRADE.

Amount:

\$24,226.95

Component Description:

WXOW-MAIN
ANTENNA 45
PERCENT INV
LINES #1,3, AND
4. 4-5-UPLOADED
UPGRADE AND
PO 4-17-RFAS-
uploaded Cover
Letter and PO
19944 and 19952

Amount:

\$111,552.53

Component Description:

MAIN ANTENNA
35% DEPOSIT
INV - LINES #1,3
AND 4.

Amount:

\$84,794.33

Cost
Information

Transmission Line

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$127,800.00	\$121,500.00		\$90,057.94	
Rigid Transmission Line - copper, 4 1 /16"	\$127,800.00	\$121,500.00	N/A	\$90,057.94	N/A
Primary Transmission Line	\$157,800.00	\$151,500.00		\$104,573.24	
Rigid Transmission Line - copper, 4 1 /16"	\$127,800.00	\$121,500.00	N/A	\$92,073.24	N/A
Security - Site	<i>\$17,500.00</i>	\$17,500.00	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.	N/A	N/A

Disconnect existing Interior RF components	\$12,500.00	\$12,500.00	Disconnect interior transmission line and filters from existing configuration and move within the building to make way for new facilities.	\$12,500.00	N/A
Sub-total	\$285,600.00	\$273,000.00	N/A	\$194,631.18	N/A
Total for all systems	\$3,839,467.39	\$3,851,254.93	N/A	\$2,850,524.87	N/A

Components

Actual Information	
Description	File Name

Rigid Transmission Line -
copper, 4 1/16"

Component Description: WXOW-INTERIM
TX LINE DEPOSIT
45% LINE #2
Amount: \$44,458.47

Component Description: DIELECTRIC-
WXOW-DIGIT LINE-
BALANCE INV -
LINE 1 - 10-11-18
UPLOADED NEW
Amount: \$7,597.66

Component Description: WXOW-INTERIM
TX LINE- 2nd
45percent inv -
LINE 2 and 21
Amount: \$44,458.47

Component Description: WXOW-DIE-LINE-
SECTION
REPLACEMENT-
INV-162026
Amount: \$1,141.00

Rigid Transmission Line - copper, 4 1/16"	<div> Component Description: <div>WXOW- DIELECTRIC-TX LINE 45% INV FOR LINE #7 4-5- UPLOADED UPGRADE AND PO</div> </div> <div> Amount: <div>\$46,036.62</div> </div>
	<div> Component Description: <div>WXOW- TX LINE 10% DEPOSIT LINE #26</div> </div> <div> Amount: <div>\$10,230.36</div> </div>
	<div> Component Description: <div>TX LINE 35% DEPOSIT INV FOR LINE #7</div> </div> <div> Amount: <div>\$35,806.26</div> </div>
Security - Site	Information not provided.
Disconnect existing Interior RF components	<div> Component Description: <div>WXOW- DECOMM RF - INV QC18-058</div> </div> <div> Amount: <div>\$12,500.00</div> </div>

Cost
Information

Tower Equipment and Rigging Costs

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$381,100.00	\$474,741.48		\$319,641.48	
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	\$6,900.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$312,741.48	Tool is not accounting for two separate antenna installations. One for the interim and One for the main. \$200k each is the budget on a tall tower.	\$312,741.48	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	N/A	N/A
Sub-total	\$381,100.00	\$474,741.48	N/A	\$319,641.48	N/A
Total for all systems	\$3,839,467.39	\$3,851,254.93	N/A	\$2,850,524.87	N/A

Components

Actual Information	
Description	File Name
Structural engineering tower load study for well	

Component Description:

WXOW - Paul J
Ford - structural
analysis for period
ending 7/5/17 INV
196064 - PO 19855.
Note: Actual vendor
name is Paul J.
Ford & Company.
Since the tool does
not allow for special
characters, "and"
has been
substituted for "&" in
the Vendor Name.

Amount:

\$1,900.00

Component Description:

WXOW - Paul J.
Ford - Broadcast
Tower Modification
Design - INV
194394 - PO 19810.
NOTE: Vendor
name is actually
Paul J. Ford &
Company. Since the
tool does not allow
special characters,
"and" has been
substituted for "&" in
the Vendor Name
field.

Amount:

\$1,900.00

Component Description:

WXOw Broadcast
Tower Structural
Analysis - INV
194393 - PO 19795
NOTE: Vendor
Name is Paul J.
Ford & Company.
Since the tool does
not allow special
characters, "and"
has been
substituted for "&" in
the Vendor Name.

Amount:

\$1,900.00

Component Description:

WXOW-TOWER
RIG ANALYSIS-
FORD-INV205618

Amount:

\$1,200.00

Tall Tower (greater than 500')	Component Description:		WXOW-PCI- ON SITE INSTALLING ANT AND LINE - INV 7312
	Amount:		\$49,630.00
	Component Description:		Precision Communications Tower work, 4th invoice, see cover sheet for additional information.
	Amount:		\$109,981.48
	Component Description:		PCI - Provide & install Vari-Grip for Guy Wire termination - INV 7522 - PO 20534
	Amount:		\$3,500.00
	Component Description:		WXOW-PCI- TOWER DEP REIMBURSABLE NOW THAT CREW ON SITE-INV7240
	Amount:		\$50,000.00
	Component Description:		WXOW-PCI- ARRIVAL INV 7330
	Amount:		\$99,630.00
Minor tower reinforcement /modifications	Information not provided.		

Cost Information

Outside Professional Services

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$354,271.51	\$337,001.51		\$212,063.43	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$525.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$3,700.00	N/A
General Repack Attorney	<i>\$10,165.51</i>	\$10,165.51	see uploaded memo from Brooks Pierce-QMI Repack Invoice Memo for Shared Legal Expenses (Matter 104411 00054) for Form 399	\$10,165.51	N/A
PM Reimbursable expenses	<i>\$13,408.00</i>	\$13,408.00	PM - infield travel and Per Diem reimbursable expenses	\$9,878.42	N/A

Quarterly reporting -Atty	\$4,500.00	\$4,500.00	Preparation and submittal of the FCC required quarterly report 387 by the attorney. EST. 6qtrs@\$750	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	We need 1 STA for the initial request and we are budgeting 1 additional STA in case the project requires an addition STA for unforeseen issues during the construction period.	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$4,162.00	N/A

Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	We need 1 STA for the initial request and we are budgeting 1 additional STA in case the project requires an addition STA for unforeseen issues during the construction period.	\$1,100.00	N/A
Project management of the transition	\$205,558.00	\$195,178.00	CO - DUE TO ADDITIONAL SERVICES FOR INTERIM ENGINEERING DESIGN AND AND PM AND LENGTH OF TIME REQUIRED BY TOWER CREW AND HVAC AND PLUMBING	\$180,562.50	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,970.00	N/A
Sub-total	\$354,271.51	\$337,001.51	N/A	\$212,063.43	N/A
Total for all systems	\$3,839,467.39	\$3,851,254.93	N/A	\$2,850,524.87	N/A

Components

Actual Information	
Description	File Name
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	<p>Component Description: Eng services to prepare Form 2100; Lohnes - INV 201807-0275-08-1. Note: Vendor name is Lohnes & Culver; however, since the tool does not allow for special characters, "and" has been substituted for "&".</p> <p>Amount: \$525.00</p>
Perform engineering study for new channel assignment and antenna development	<p>Component Description: WXOW-LOHNES-MAP- INV201803-0275-08-64549</p> <p>Amount: \$700.00</p> <p>Component Description: ENGR-WXOW-NEW CHANNEL STUDY - 399</p> <p>Amount: \$3,000.00</p>
General Repack Attorney	

Component Description:	WXOW-BROOKS- JUNE18- INV3954663
Amount:	\$1,287.00

Component Description:	WXOW-BROOKS- MAY18-INV3953760
Amount:	\$2,788.50

Component Description:	11-6-19 WXOW - Brooks - General Repack Legal Services for period ending June 30, 2017. INV 3941325. \$266.44 is WXOW portion of total invoice
Amount:	\$266.44

Component Description:	WXOW - Brooks - General Repack Legal Services for period ending March 31, 2018. INV 3951201. \$28.29 is WXOW portion of total invoice.
Amount:	\$28.29

Component Description:	WXOW - Brooks - General Repack Legal Services for period ending January 31, 2018. INV 3949059. \$35.36 is WXOW portion of total invoice.
Amount:	\$35.36

Component Description:	WXOW - Brooks - General Repack Legal Services for period ending April 30, 2018. INV 3952584. \$28.28 is WXOW portion of total invoice.
Amount:	\$28.28

Component Description:	WXOW Brooks General Repack Legal Services for period ending July 31, 2017. INV 3942230. \$275 is WXOW portion of total invoice
Amount:	\$275.00

Component Description:	WXOW - Brooks - General Repack Legal Services for period ending February 28, 2018. INV 3950148. \$28.29 is WXOW portion of total invoice.
Amount:	\$28.29

Component Description:	Brooks Repack Legal Services period ending July '19; Inv 3970200
Amount:	\$52.00

Component Description:	Brooks Repack Legal services for period ending Nov '17; Inv 3946861
Amount:	\$94.00

Component Description:	Brooks Repack Legal Services period ending Dec '18; Inv 3961874
Amount:	\$33.00

Component Description:	Brooks Repack legal services period ending Dec '17; Inv 3947921
Amount:	\$263.00

Component Description:	Brooks Repack Legal Services period ending Oct '17; Inv 3945574
Amount:	\$282.00

Component Description:	WXOW - Brooks - General Repack Legal for period ending May 31, 2017. INV 3940170 \$190.85 is WXOW portion of total invoice
Amount:	\$190.86

Component Description:	WXOW - Brooks - General Repack Legal Services for period ending December 31, 2017. INV 3947925. \$40.29 is WXOW portion of total invoice.
Amount:	\$40.29

Component Description:	Brooks-WXOW-atty- June17 inv
Amount:	\$266.44

Component Description:	WXOW-Brooks-atty -May17
Amount:	\$190.85

Component Description:	WXOW-BROOKS- JAN-18 INV- 3949055
Amount:	\$49.50

Component Description:	WXOW-LEGAL INV- 3951197 FOR MAR18 WORK
Amount:	\$792.00

Component Description:	WXOW- BROOKS JUL18-INV 3955733
Amount:	\$1,072.50

Component Description:	WXOW-BROOKS - INV3952580- APRIL18
Amount:	\$1,798.50

Component Description:	WXOW - Brooks - General Repack Legal Services for period ending November 30, 2017. INV 3946865. \$221.57 is WXOW portion of total invoice.
Amount:	\$221.57

Component Description:	Brooks -WXOW- NOV17- atty - inv
Amount:	\$221.57

Component Description:	WXOW-BROOKS- OCT18- INV 3959630
Amount:	\$363.00

Component Description:	Brooks-WXOW- AUG17-inv
Amount:	\$117.85

Component Description:	WXOW-BROOKS AUG18 INV 3957120
Amount:	\$49.50

Component Description:	Brooks-WXOW-atty- July17 inv
Amount:	\$275.00

Component Description:	Brooks-WXOW-atty -OCT17-inv
Amount:	\$322.28

Component Description:	Brooks-WXOW- ATTY fees- SEPT17-inv
Amount:	\$80.57

Component Description:	WXOW-LEGAL INV 3950147 FEB 18 WORK
Amount:	\$49.50

PM Reimbursable expenses	Component Description:		WXOW- PM - AUG-NOV-18 TRAVEL-INV QC19-017
	Amount:		\$6,480.00
	Component Description:		WXOW-PM TRAVELEP-1THRU3-18- INV QC18-049
	Amount:		\$2,378.42
	Component Description:		WXOW-PM - travel reimbursements-INV QC17-145
	Amount:		\$1,020.00
Quarterly reporting -Atty	Information not provided.		
Comprehensive coverage verification via field study, if needed	Information not provided.		
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.		
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.		

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	LEGAL WXOW JUNE 2017 399
	Amount:	\$359.00
	Component Description:	LEGAL WXOW AUG 2017 - 399
	Amount:	\$423.00
	Component Description:	LEGAL WXOW 399 MAY 2017
	Amount:	\$453.00
	Component Description:	LEGAL WXOW JULY 2017 -399
	Amount:	\$1,846.00
	Component Description:	LEGAL WXOW APRIL 2017 399
	Amount:	\$517.00
	Component Description:	LEGAL WORK FOR WXOW SEPT 17
	Amount:	\$564.00
Prepare request for Special Temporary Authorization	Component Description:	WXOW-LOHNES- STA-INV201805- 0275-08-64549
	Amount:	\$1,100.00

Project management of
the transition

Component Description:	WXOW-PM 4THRU7 18 INV QC18-068
Amount:	\$98,730.00
Component Description:	WXOW- PM AUG- NOV18- INV QC19- 017
Amount:	\$15,375.00
Component Description:	WXOW-QCOMM- PM-INV QC17-145 - REPLACED PREVIOUS SUBMITAL- INV QC17-133 - PLEASE DELETE- THIS IS FOR LINE ITEM 4004
Amount:	\$17,137.50
Component Description:	PM - WXOW - 50% DEPOSIT INV-see quote PM QCOMM QC17004 requiring deposit. INV QC17- 133 is paid.
Amount:	\$45,704.00
Component Description:	WXOW-PM- 1THRU3-18 INVQC18-049
Amount:	\$31,275.00
Component Description:	WXOW-PM-SEPT- DEC-17 - INV- QC18-020
Amount:	\$18,045.00

Prepare and or review reimbursement form	Information not provided.	
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	ENGR-WXOW-CP APP- LOHNES \$1,970.00

Cost
Information

Other Expenses

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$63,080.00	\$62,515.00		\$3,450.00	
Equipment Delivery and Handling Charges	<i>\$8,000.00</i>	\$8,000.00	Transport, forklift rental and handling fees from staging area to transmitter site.	\$0.00	N/A
Equipment Storage	<i>\$13,000.00</i>	\$13,000.00	Expecting multiple staggered equipment deliveries from different vendors and need to store and stage new equipment prior to installation date. Anticipate from 6-24 months of storage time.	\$500.00	N/A
Develop and air announcement of upcoming channel change	<i>\$15,000.00</i>	\$15,000.00	Required FCC announcements and good will public relations must be upheld. The production airing and disseminating of these announcements are fundamental to our operations.	N/A	N/A

DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$2,950.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$10,000.00	\$10,000.00	Rent 40 yard dumpster with multiple pickups. Estimated 6-months on site. Potential hazardous waste management issues.	\$0.00	N/A
MVPD Notification of Channel Change	\$5,000.00	\$5,000.00	FCC required announcements.	N/A	N/A
Sub-total	\$63,080.00	\$62,515.00	N/A	\$3,450.00	N/A
Total for all systems	\$3,839,467.39	\$3,851,254.93	N/A	\$2,850,524.87	N/A

Components

Actual Information

Description

File Name

Equipment Delivery and Handling Charges	<p>Component Description: WXOW-CASEYS DELIVERY OF EQ FROM STAGING TO STATION INV1011</p> <p>Amount: \$3,000.00</p>
Equipment Storage	<p>Component Description: WXOW-CASEYS-1ST QTR-STORAGE AND FORKLIFT - INV 1005. (revised attachment)</p> <p>Amount: \$2,300.00</p> <p>Component Description: WXOW-CASEYS-FORKLIFT - INV 1010</p> <p>Amount: \$500.00</p>
Develop and air announcement of upcoming channel change	Information not provided.
DTV Medical Facility Notification	<p>Component Description: WXOW- MED NOTICE- INV 1012</p> <p>Amount: \$2,950.00</p>
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.

MVPD Notification of Channel Change	Information not provided.
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Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$3,839,467.39	\$3,851,254.93
			\$2,850,524.87

Reimbursement Status	Question	Response
	The facility has ceased operating on its pre-auction channel.	Yes
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. 	

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.

**BRADY
DREASLER**
*CORPORATE
DIRECTOR
OF
ENGINEERING*

02/24/2020

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 	

4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>BRADY DREASLER CORPORATE DIRECTOR OF ENGINEERING</p> <p>02/24/2020</p>

Attachments