

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID:	64549	Service: DTV	Call Sign:	wxow	Channel: 28 (UHF)
File Number:	000002	27498	2.3		
FRN: 003	0885057	Date Submitted:	04/05 /2018		

Applicant Name, Type, and Contact Information

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@quincyinc. com	Limited Liability Company

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer	Preparer Contact Name and Information				
Contact 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	Question	Response
Information and Transition Plan	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	Existing Transmitter Information				
ransmitter	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		
		Туре	Solid State		
		Solid State Cooling	Liquid Cooled		
		Solid State Power Capacity	13 kW		

Existing Transmitter Information

Primary	New Transmitter Costs				
Transmitter	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 kW		
		Justification for New Transmitter	Existing transmitter is not tunable per the manufacturer.		

Primary Other Transmitter Costs

Transmitter	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
	Туре	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 leashold 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 Mame

ər	Name	Description	
	Transmitter Training	Transmitter training - offsite - 1 week in duration at mfg site.	
	Site Survey - TX	Site survey is required to be performed before the new transmitter and components installation plan can be finalized.	
	Disconnect existing Transmitter	Disconnect transmitter and components from existing configuration and move within building	
	Sales Tax	Sales tax for eq	

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	Other Transmitter Costs			
Transmitter	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?	Yes
	Туре	Cooling Only
	Size	15 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold 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	Other Transmitter Cost Not Listed		
Transmitter	Name	Description	
	Sales tax	sales tax for equipment	

Antennas Section		Question	Response
Antenna Rela	ated Expenses	Do you have antenna related expenses?	Yes

Primary	Add Antenna Information			
Antenna	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	
		Туре	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	New Antenna Costs			
Antenna	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	
		Туре	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	Other Antenna Costs			
Antenna	Section	Question	Response	
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No	
		Туре		
		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	No	

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
AntennaOther Antenna Cost Not ListedInformation not provided.

Interim	New Antenna Costs			
Antenna	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	
		Туре	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

Interim Antenna Section Question

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	New
	Number of channels supported	2
	Frequencies of channels supported	RF channe
	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?	В
	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	Other Antenna Cost Not Listed		
Antenna	Name	Description	
	FREIGHT	FREIGHT FOR DELIVERY TO STAGING AREA OR STATION	

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary	Existing Transmission Line			
Transmissio	n 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	Manufacturer		
Line Manufacturer and Type		Туре	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		
Transmissio	n 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
		Туре	Rigid
		Diameter	4 1/16 inches
	Other Diameter N/A	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.

Other Transmission Line Expenses Not Listed Primary Transmission Description Securirty - 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** Disconnect interior transmission line and filters from existing configuration and move components within the building.

Interim	New Transmission Line		
Transmissio	n Line Section	Question	Response
	New Transmission Line	Use	Interim
	Costs	Description of Use	N/A
		Change Type	Purchase New
		Туре	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.

Other Transmission Line Expenses Not Listed

Transmission not provided.

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

marv	Existing	Tower
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Primary	Existing Tower			
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	Do you have a tower registration number?	Yes	
	Registration	ASR Number	1035149	
	Coordinates (NAD83 (North American Datum of	Latitude (NAD83)	43° 48' 23.0" N-	
1983))	1983))	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 Service Call Sign 20665 WIZM-FM FΜ

Other Types of Users

Users

2-Way service

Tower Modification Costs Primary

Tower

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

Tower Rigging Costs Primary

Tower	Section	Question	Response
	Tower Rigging Costs	Complex Tower	N/A

Other Tower Expenses Not Listed Primary Tower

Information not provided.

Outside	Section	Question	Response
Professional	I Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	613
		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	Prepare and file Form FCC Construction Permit Application	Yes
Services	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
		I

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

Outside Professional Services Expenses Not Listed Services Costs 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	Section	Question	Response
Expenses	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 Not Listed

Expenses Information not provided.

Transmitters

Cost Information

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	\$774,471.60	\$737,571.60		\$333,724.38	
Sales tax	\$33,271.60	\$33,271.60	sales tax calc per mfg quote and inv	\$11,090.54	N/A
UHF inside RF system including switching	\$147,500.00	\$140,000.00	N/A	\$22,415.72	N/A
15 Ton system	\$55,800.00	\$53,000.00	N/A	N/A	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$7,065.08	N/A
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$470,000.00	N/A	\$293,153.04	N/A
Primary Transmitter ULXTE-40	\$1,246,050.33	\$1,189,950.33		\$598,310.79	
Sales Tax	\$59,650.33	\$59,650.33	Sales tax est on mfg invoice	\$19,883.44	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.	N/A	N/A
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.	N/A	N/A
Transmitter Training	\$3,300.00	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A	N/A
25 Ton system	\$91,500.00	\$87,000.00	N/A	N/A	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	N/A	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	\$5,697.49	N/A
Switchgear	\$38,200.00	\$36,300.00	N/A	\$34,118.94	N/A

Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$900,000.00	N/A	\$538,610.92	N/A
Sub-total	\$2,020,521.93	\$1,927,521.93	N/A	\$932,035.17	N/A
Total for all systems	\$3,605,673.93	\$3,452,244.93	N/A	\$1,443,516.08	N/A

Components

Actual Information Description	File Name	
Sales tax		
	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. \$11,090.54

UHF inside RF system		
including switching	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
15 Ton system	Information not provided.	
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Switchgear - industrial 800 amp	Component Description:	Gates-quote Q- 61103-INT Electrical switching- LINE D. 1/3 deposit per inv.
	Amount:	\$3,532.54
	Component Description:	Gates-quote Q- 61103-INT Electrical switching-
		LINE D. 2nd 1/3 payment

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13		
kW	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
	Common and Deconingian	
	Component Description:	1/3 DOWN FOR
		VALIDATED 399-
		Quote-Q-61103
		Lines-(A B and E)
		Total is
		\$439,729.57.
		Which is below
		\$470k allotment.
	Amount:	\$146,576.52

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. N/A
	Component Description:	WXOW- GATES_MAIN-TX SALES TAX see inv and Q-61102. -3-30- USE THIS submittal. FINAL ANSWER3:41pm 4-2 corrected inv \$ amount Use this submittal and delete the other. \$19,883.44
Disconnect existing Transmitter	Information not provided.	
Site Survey - TX	Information not provided.	
Transmitter Training	Information not provided.	
25 Ton system	Information not provided.	
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

Transformer 3 phase/480v - 300 KVA		
	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.
	Amount:	N/A
	Component Description:	GATES-MAIN TX-
		WXOW -See quote
		Q-61102 LINE D is
		ELECTRIC parts. 1
		/3 deposit required.
	Amount:	\$2,848.74
	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

Switchgear - industrial 800 amp		
	Component Description:	-4-2- please delete
	Amount:	this request N/A
	Amount:	N/A
	Component Description:	GATES-MAIN TX RF Switching- quote Q-61102 - LINE is C or 1/3 deposit required.
	Amount:	\$17,059.47
	Component Description:	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
	Amount:	REQUEST \$17,059.47
		ψτ <i>ι</i> ,υ 33.4 7
Service entrance 3 phase /800 amp/208 volt	Information not provided.	

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	Component Description:	WXOW -MAIN TX. 4-2- please use
		other submittal
	Amount:	N/A
	Component Description:	1/3 DEPOSIT
		REQUIRED -MAIN
		TX. QUOTE- Q-
		61102-LINES A,B
		and E is \$269,305.46
	Amount:	\$269,305.46 \$269,305.46
		• • • • • • •
	Component Description:	2nd Payment -
		WXOW -MAIN TX.
		QUOTE- Q-61102-
		LINES A,B and E
		is \$269,305.46 4-3-
		please use this
		submittal
	Amount:	\$269,305.46

Antennas

Cost Information

Description Interim Antenna TFU-8WB	Predetermined Cost Estimate \$322,290.00	Estimated Cost \$306,800.00	Estimated Cost Justification	Actual Cost \$58,635.00	Actual Cost Justification
FREIGHT	\$6,000.00	\$6,000.00	FREIGHT FROM MFG TO STAGING OR STATION. MAY HAVE MULTIPLE SHIPPERS	\$4,455.00	N/A
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,	\$10,950.00	\$10,400.00	N/A	\$9,255.00	N/A
at antenna					
input, per 4					
1/16.					
feedline (if					
needed)					
Combiner	\$126,000.00	\$120,000.00	N/A	N/A	N/A
output					
splitting					
/switching					
for dual					
feed lines,					
if applicable					
New	\$84,200.00	\$80,000.00	N/A	N/A	N/A
combiner,					
cost per					
channel					
(without					
antenna)					
Sweep test	\$6,730.00	\$6,400.00	N/A	N/A	N/A
of existing					
antenna					
UHF .	\$60,000.00	\$57,000.00	N/A	\$44,925.00	N/A
Broadband					
Slot, Side					
Mount, 8					
bay, 20 kW					
input,					
directional,					
horizontally					
polarized					
Primary	\$287,680.00	\$286,800.00		\$235,444.51	
Antenna					
TFU-18GTH					
Elbow	\$10,950.00	\$10,400.00	N/A	\$9,110.70	N/A
complex,					
broadband,					
at a at					
at antenna					
input, per 4					
input, per 4 1/16.					
input, per 4					

Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	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	\$593,600.00	N/A	\$294,079.51	N/A
Total for all systems	\$3,605,673.93	\$3,452,244.93	N/A	\$1,443,516.08	N/A

Actual Information		
Description	File Name	
FREIGHT		
	Component Description:	WXOW-
		DIELECTRIC-
		INTERIM -
		FREIGHT INV
		93053 - 3-28-
		uploaded Order
		Confirmation-
		405002
	Amount:	\$4,455.00

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.	
Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	Component Description:	DIELECTRIC- WXOW-INTERIM- ELBOW- BALANCE INV LINE 16- 3-28- UPLOADED - Order Conf 405002
	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
Combiner output splitting /switching for dual feed lines, if applicable	Information not provided.	
New combiner, cost per	Information not provided.	
channel (without antenna)		

UHF . Broadband Slot, Side Mount, 8 bay, 20 kW input,		
directional, horizontally	Component Description:	WXOW-
polarized		DIELECTRIC-
polalizeu		INTERIM-INV-
		89002-LINE 17
		ANTENNA-
		BALANCE -3-28-
		UPLOADED Order
		Conf- 405002
	Amount:	\$4,492.50
	Component Description: Amount:	WXOW-ANT- INTERIM-2nd 45 percent -INV MAN00115-line 20 \$20,216.25
	Component Description:	WXOW - INTERIM ANTENNA 45%
		DEPOSIT
	Amount:	\$20,216.25
		φ20,210.20

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
		PO
	Amount:	\$4,555.35
	Component Description:	ELBOW - 35% DEPOSIT INV LINES # 5 AND 6
		ONLY
	Amount: Component Description:	\$3,543.05 WXOW- ELBOW 10% DEPOSIT FOR LINES #5 AND 6
	Amount:	\$1,012.30
	Amount.	ψ1,012.00

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:	SWEEP 35% DEPOSIT INV LINE#26
	Amount:	\$2,240.00
	Component Description: Amount:	WXOW-SWEEP TEST 10% DEPOSIT INV LINE #26 \$640.00
	1	

UHF - High Power Top Mount One Station antenna elliptically or circularly polarized	Component Description:	WXOW-MAIN ANTENNA 45 PERCENT INV LINES #1,3, AND 4. 4-5-UPLOADED UPGRADE AND PO
	Amount:	\$111,552.53
	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. \$24,226.95
	Component Description:	MAIN ANTENNA 35% DEPOSIT INV - LINES #1,3 AND 4.
	Amount:	\$84,794.33

Transmission Line

Cost Information

Description Interim Transmission Line	Predetermined Cost Estimate \$127,800.00	Estimated Cost \$121,500.00	Estimated Cost Justification	Actual Cost \$96,514.60	Actual Cost Justification
Rigid Transmission Line - copper, 4 1 /16"	\$127,800.00	\$121,500.00	N/A	\$96,514.60	N/A
Primary Transmission Line	\$157,800.00	\$151,500.00		\$92,073.24	
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.	N/A	N/A
Rigid Transmission Line - copper, 4 1 /16"	\$127,800.00	\$121,500.00	N/A	\$92,073.24	N/A

Securirty - Site	\$17,500.00	\$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
Sub-total	\$285,600.00	\$273,000.00	N/A	\$188,587.84	N/A
Total for all systems	\$3,605,673.93	\$3,452,244.93	N/A	\$1,443,516.08	N/A

File Name	
Component Description:	DIELECTRIC- WXOW-DIGIT LINE-BALANCE INV - LINE 1 \$7,597.66
Component Description:	WXOW-INTERIM TX LINE- 2nd 45percent inv - LINE 2 and 21 \$44,458.47
Component Description: Amount:	WXOW-INTERIM TX LINE DEPOSIT 45% LINE #2 \$44,458.47
	Component Description: Amount: Component Description: Amount: Component Description:

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

Tower Equipment and Rigging Costs

Cost Information

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

Description Primary	Predetermined Cost Estimate \$381,100.00	Estimated Cost \$362,000.00	Estimated Cost Justification	Actual Cost \$0.00	Actual Cost Justification
Tower TOWER	φ 301,100.00	4302,000.00		40.00	
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	N/A	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	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.	N/A	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	N/A	N/A
Sub-total	\$381,100.00	\$362,000.00	N/A	\$0.00	N/A
Total for all systems	\$3,605,673.93	\$3,452,244.93	N/A	\$1,443,516.08	N/A

Components

Information not provided.

Outside Professional Services

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos [.] Justificatio
Outside Professional Services	\$245,402.00	\$233,608.00		\$28,813.56	
PM Reimbursable expenses	\$13,408.00	\$13,408.00	PM - infield travel and Per Diem reimbursable expenses	\$1,020.00	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
General Repack Attorney	\$10,000.00	\$10,000.00	see uploaded memo from Brooks Pierce-QMI Repack Invoice Memo for Shared Legal Expenses (Matter 104411 00054) for Form 399	\$1,524.06	N/A

Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/
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
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$4,162.00	N

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.	N/A	N/A
repare ngineering ection of FCC orm 2100 nain), License o Cover pplication	\$1,580.00	\$1,500.00	N/A	N/A	N/A
epare gineering ction of FCC rm 2100 ain), ain), onstruction ermit oplication	\$3,155.00	\$3,000.00	N/A	\$1,970.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$3,000.00	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 and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$96,854.00	\$91,950.00	N/A	\$17,137.50	PLEASE DELETE SUBMITTE -INV QC17 133- DEPOSIT INVPER RFAS- 12/2 /17 THIS SUBMITAI IS EARNEI SEE PM INVOICE WXOW-IN' QC17-133 TOTAL AMOUNT BILLED TC DATE SHOULD BE \$17,137.5
Sub-total	\$245,402.00	\$233,608.00	N/A	\$28,813.56	N/A

Sub-total	ΨΖ43,402.00	ψ200,000.00		ψ20,013.30	
Total for all systems	\$3,605,673.93	\$3,452,244.93	N/A	\$1,443,516.08	N/A

Actual Information Description	File Name	
PM Reimbursable expenses	Component Description: Amount:	WXOW-PM - travel reimbursements- INV QC17-145 \$1,020.00
Quarterly reporting -Atty	Information not provided.	

General Repack Attorney		
	Component Description:	WXOW-Brooks-atty
	Amount:	-May17 \$190.85
		\$100100
	Component Description:	Brooks-WXOW-atty -OCT17-inv
	Amount:	\$322.28
	Component Description:	WXOW-BROOKS-
		JAN-18 INV-
	•	3949055
	Amount:	\$49.50
	Component Description:	Brooks-WXOW-
	Amount:	AUG17-inv \$117.85
		Q117.00
	Component Description:	Brooks-WXOW- ATTY fees-
		SEPT17-inv
	Amount:	\$80.57
	Component Description:	Brooks-WXOW-atty-
	•	June17 inv
	Amount:	\$266.44
	Component Description:	Brooks-WXOW-atty-
	Amount:	July17 inv \$275.00
	Component Description:	Brooks -WXOW- NOV17- atty - inv
	Amount:	\$221.57
Comprehensive coverage verification via field study,	Information not provided.	
if needed		

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: Amount:	LEGAL WXOW JUNE 2017 399 \$359.00
	Component Description:	LEGAL WORK FOR WXOW SEPT 17
	Amount:	\$564.00
	Component Description:	LEGAL WXOW APRIL 2017 399
	Amount:	\$517.00
	Component Description:	LEGAL WXOW JULY 2017 -399
	Amount:	\$1,846.00
	Component Description:	LEGAL WXOW
	Amount:	AUG 2017 - 399 \$423.00
	Component Description:	LEGAL WXOW 399 MAY 2017
	Amount:	\$453.00
Prepare request for Special Temporary Authorization	Information not provided.	

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	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
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	ENGR-WXOW- NEW CHANNEL STUDY - 399 \$3,000.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	Information not provided.	
Project management of the transition	Component Description: Amount:	PM - WXOW - 50% DEPOSIT INV-see quote PM QCOMM QC17004 requiring deposit. INV QC17 133 is paid. \$45,704.00
	Component Description:	WXOW-QCOMM- PM-INV QC17-145 - REPLACED PREVIOUS SUBMITAL- INV QC17-133 - PLEASE DELETE- THIS IS FOR LINE ITEM 4004 \$17,137.50

Other Expenses

Cost Information

	Predetermined	Estimated	Estimated Cost		Actual Co
Description	Cost Estimate	Cost	Justification	Actual Cost	Justificat
Other Expenses	\$63,080.00	\$62,515.00		\$0.00	
MVPD Notification of Channel Change	\$5,000.00	\$5,000.00	FCC required announcements.	N/A	N/A
Develop and air announcement of upcoming channel change	\$15,000.00	\$15,000.00	Required FCC announcements and good will public relations must we upheld. The production airing and disseminating of these announcements are fundamental to our operations.	N/A	N/A
Equipment Storage	\$13,000.00	\$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.	N/A	N/A

Equipment Delivery and Handling Charges	\$8,000.00	\$8,000.00	Transport, forklift rental and handling fees from staging area to transmitter site.	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	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.	N/A	N/A
Sub-total	\$63,080.00	\$62,515.00	N/A	\$0.00	N/A
Total for all systems	\$3,605,673.93	\$3,452,244.93	N/A	\$1,443,516.08	N/A

Information not provided.

Cost	Grand Total				
Information		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$3,605,673.93	\$3,452,244.93	\$1,443,516.08	

Reimbursem	entestiatus	Response
	The facility has ceased operating on its pre- auction channel.	No
	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	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.	
		 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.	

- 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).
- 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.

 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

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 IMPRISIONMENT (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).	
		 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).
- 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.

 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 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. 	
I declare, under penalty of perjury, that I am an authorized representative of the above- named applicant for the Authorization(s) specified above.	

Attachments