

(REFERENCE COPY - Not for submission)

#### FCC Form 399: Reimbursement Request

Facility 64549 Service: DTV Call WXOW Channel: 28 (UHF)

ID:

Sign:

File **0000027498** 

Number:

FRN: **0030885057** Date **04/02** 

Submitted: /2018

## 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@quincyinc. com	Limited Liability Company

## Reimbursement Contact Name and Information Reimbursement Contact 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	
Manufacturer and Type	Model	Atlas
	Year	2004
	Туре	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 kW
	Justification for New Transmitter	Existing transmitter is not tunable per the manufacturer.

#### 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

Does the replacement transmitter require HVAC Service?	Yes
Туре	Cooling Only
Size	25 tons
Other Size	N/A
Does the Transmitter Building require an addition, modification, other leashold improvement?	No
Size	N/A
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
	Type  Size  Other Size  Does the Transmitter Building require an addition, modification, other leashold improvement?  Size  Is an RF Consulting Engineer needed?  Is a channel 14 Mask Filer needed?  Is additional field engineering time needed?

#### Primary Transmitter

#### **Other Transmitter Cost Not Listed**

Name	Description
Sales Tax	Sales tax for eq
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.
Transmitter Training	Transmitter training - offsite - 1 week in duration at mfg site.

#### 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?	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 Transmitter

#### **Other Transmitter Cost Not Listed**

Name	Description
Sales tax	sales tax for equipment

#### **Antennas**

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

#### **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	Class	Full Power
Manufacturer and Type	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

#### **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	Class	Full Power
Manufacturer and Types	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.

#### **Other Antenna Costs**

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 antenna?	No

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

#### **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	Class	Full Power
Manufacturer and Type	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.
	unreasonable.

#### Interim Antenna

#### **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 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?	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 Antenna

#### **Other Antenna Cost Not Listed**

Name	Description
FREIGHT	FREIGHT FOR DELIVERY TO STAGING AREA OR STATION

Transmission <sup>Seffien</sup>	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	
	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 Transmission

#### **New Transmission Line**

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
	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			
-	n Line Name	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 components	Disconnect interior transmission line and filters from existing configuration and move within the building.	

### Interim New Transmission Line

#### Transmission

n Line Section	Question	Response
New Transmission Line Costs	Use	Interim
	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 loine tion 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	Do you have a tower registration number?	Yes
Registration	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 fee

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	Are helicopter services required?	No
Required		

#### Primary Tower

#### Other Tower Expenses Not Listed

Information not provided.

Outside Professional

Section	Question	Response
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

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	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 Not Listed

**Expenses** Information not provided.

# **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	\$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	

Transmitter Training	\$3,300.00	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	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
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
Sales Tax	\$59,650.33	\$59,650.33	Sales tax est on mfg invoice	\$19,883.44	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	3-30- use the 3:41 submittal or latest time stamp and delete the one that asks to delete the duplicate request.
Switchgear - industrial 800 amp	\$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

	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
JHF inside RF system		
including switching	Component Description:	WXOW-RF
	Component Decempatern	Switching Gates
		Quote G-61103
		LINE C. RF
		Accessories- 2nd
		inv 1/3
	Amount:	\$11,207.86
	Component Description	WXOW-RF
	Component Description:	Switching Gates
		Quote G-61103
		LINE C. RF
		Accessories- dep
		inv 1/3
	Amount:	\$11,207.86
		ψ. 1,207.00
5 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
	Amount:	\$3,532.54
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13		
kW	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
	Amount:	\$470k allotment. \$146,576.52
	Amount.	φ140,370.32
	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
	Amount:	\$470k allotment. \$146,576.52
		ψ1 10,01 0.02
Transmitter Training	Information not provided.	
Site Survey - TX	Information not provided.	
Disconnect existing Transmitter	Information not provided.	

Sales Tax		
Jaies 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:  Amount:	WXOW-GATES_MAIN-TX SALES TAX see inv and Q-611023-30- USE THIS submittal. FINAL ANSWER3:41pm 4-2 corrected inv \$ amount Use this submittal and delete the other. \$19,883.44
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.

request.

please delete this

Amount: N/A

Component Description: GATES-MAIN TX-

WXOW -See quote Q-61102 LINE D is ELECTRIC parts.
March 5th added 1 cent to balance the inv and payment request. 0.00 out errant third request. -3-30- 3: 41 pm, please use this submittal. Final

Answer. 4-2-Process this

corrected submittal.

**Amount:** \$2,848.75

Component Description: GATES-MAIN TX-

WXOW -See quote Q-61102 LINE D is ELECTRIC parts. 1 /3 deposit required.

**Amount:** \$2,848.74

amp	Component Description:	GATES-MAIN TX
		RF Switching-
		quote Q-61102 -
		LINE is C. 3-30- Please delete the
		duplicate request.
		-4-2- please delete
		this request
	Amount:	N/A
	Component Description:	GATES-MAIN TX
		RF Switching-
		quote Q-61102 -
		LINE is C or 2nd
		payment -3-30-3:
		41pm - USE this
		Submittal. Final Answer. 4-2- use
		this submital
	Amount:	\$17,059.47
	Amount	ψ17,000. <del>4</del> 7
	Component Description:	GATES-MAIN TX
		RF Switching-
		quote Q-61102 -
		LINE is C or 1/3
		deposit required.
	Amount:	\$17,059.47
Service entrance 3 phase	Information not provided.	

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW

**Component Description:** WXOW -MAIN TX.

3-30- Please delete the

duplicate request. 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

Component Description: 2nd Payment -

WXOW -MAIN TX.
QUOTE- Q-61102LINES A,B and E
is \$269,305.46 -330- 3:41pm - USE
this Submittal.
Final Answer. 4-2-

please use this submittal

**Amount:** \$269,305.46

#### **Antennas**

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

Primary Antenna TFU-18GTH	\$287,680.00	\$286,800.00		\$235,444.51	
Combiner output splitting /switching for dual feed lines, if applicable	\$126,000.00	\$120,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF . Broadband Slot, Side Mount, 8 bay, 20 kW input, directional, horizontally polarized	\$60,000.00	\$57,000.00	N/A	\$44,925.00	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$80,000.00	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	\$9,255.00	N/A

Power Top Mount One Station antenna elliptically or circularly polarized  Sweep test of existing antenna  Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)  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.  Sweep test of existing antenna  Elbow \$10,950.00 \$10,400.00 N/A \$9,110.7						
of existing antenna  Elbow \$10,950.00 \$10,400.00 N/A \$9,110.7 complex, broadband, at antenna input, per 4 1/16. feedline (if needed)  Sub-total \$609,970.00 \$593,600.00 N/A \$294,079.  Total for \$3,605,673.93 \$3,452,244.93 N/A \$1,443,516	Power Top Mount One Station antenna elliptically or circularly	\$270,000.00	\$270,000.00	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	\$220,573.81	N/A
complex, broadband, at antenna input, per 4 1/16. feedline (if needed)  Sub-total \$609,970.00 \$593,600.00 N/A \$294,079.  Total for \$3,605,673.93 \$3,452,244.93 N/A \$1,443,516	of existing	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A
<b>Total for</b> \$3,605,673.93 \$3,452,244.93 N/A \$1,443,516	complex, broadband, at antenna input, per 4 1/16. feedline (if	\$10,950.00	\$10,400.00	N/A	\$9,110.70	N/A
	Sub-total	\$609,970.00	\$593,600.00	N/A	\$294,079.51	N/A
systems	all	\$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:	WXOW-INTERIM ELBOW DEPOSIT LINE #18
	Amount:	\$4,164.75
	Component Description:	DIELECTRIC- WXOW-INTERIM- ELBOW- BALANCE INV LINE 16- 3-28- UPLOADED -
	Amount:	Order Conf 405002 \$925.50
	Component Description:	WXOW-ELBOW- line18- 2nd 45
	Amount:	percent due- \$4,164.75
New combiner, cost per channel (without antenna)	Information not provided.	

UHF . Broadband Slot, Side Mount, 8 bay, 20 kW input, **Component Description:** WXOWdirectional, horizontally **DIELECTRIC**polarized INTERIM-INV-89002-LINE 17 ANTENNA-BALANCE -3-28-**UPLOADED Order** Conf- 405002 Amount: \$4,492.50 **Component Description:** WXOW - INTERIM **ANTENNA 45% DEPOSIT Amount:** \$20,216.25 **Component Description:** WXOW-ANT-INTERIM-2nd 45 percent -INV MAN00115-line 20 Amount: \$20,216.25 Sweep test of existing Information not provided. antenna Combiner output splitting Information not provided. /switching for dual feed lines, if applicable

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. 4-2-corrected

inv #

**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.

**Amount:** \$24,226.95

Component Description: MAIN ANTENNA

35% DEPOSIT INV - LINES #1,3

AND 4.

**Amount:** \$84,794.33

Sweep test of existing		
antenna	Component Description:	WXOW-SWEEP
		TEST 10%
		DEPOSIT INV
		LINE #26
	Amount:	\$640.00
	Component Description:	WXOW-MAIN
		ANTENNA- SWEEP
		45PERCENT INV
		LINES #26
	Amount:	\$2,880.00
		. ,
	Component Description:	SWEEP 35%
		DEPOSIT INV
		LINE#26
	Amount:	\$2,240.00
Elbow complex, broadband,		
at antenna input, per 4 1/16.	Component Description:	ELBOW - 35%
feedline (if needed)		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
	Component Description:	WXOW-
		DIELECTRIC-
		EL DOM 1501
		ELBOW - 45%
		INV LINES # 5
	Amount:	

#### **Transmission Line**

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

Actual Information Description	File Name	
Rigid Transmission Line - copper, 4 1/16"	Component Description:	DIELECTRIC- WXOW-DIGIT LINE-BALANCE INV - LINE 1
	Amount:	\$7,597.66
	Component Description:	WXOW-INTERIM TX LINE- 2nd 45percent inv - LINE 2 and 21
	Amount:	\$44,458.47
	Component Description:	WXOW-INTERIM TX LINE DEPOSIT 45% LINE #2
	Amount:	\$44,458.47

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

#### **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	\$362,000.00	Justinication	\$0.00	Justinication
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**

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos
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

Attorney Fees - Prepare and	\$7,360.00	\$7,000.00	We need 1 STA for the	N/A	N/A
File request for			initial		
Special			request and		
Temporary			we are		
Authorization			budgeting 1		
			additional		
			STA in case		
			the project		
			requires an		
			addition STA		
			for		
			unforeseen		
			issues		
			during the		
			construction		
			period.		
Attorney Fees -	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Prepare and					
File FCC Form					
2100 (main),					
License to					
Cover					
Application					
Attorney Fees -	\$5,260.00	\$5,000.00	N/A	\$4,162.00	N/A
Prepare and	• •			. ,	
File FCC Form					
2100 (main),					
Construction					
Construction Permit					

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
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	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
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 QC1 133- DEPOSIT INVPEF RFAS- 12/ /17 THIS SUBMITA IS EARNEI SEE PM INVOICE WXOW-IN QC17-133 TOTAL AMOUNT BILLED TO DATE SHOULD BE \$17,137.5
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Sub-total	\$245,402.00	\$233,608.00	N/A	\$28,813.56	N/A
Total for all systems	\$3,605,673.93	\$3,452,244.93	N/A	\$1,443,516.08	N/A

<b>Actual Information</b>	
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: Brooks-WXOW-atty-

June17 inv

**Amount:** \$266.44

Component Description: WXOW-BROOKS-

JAN-18 INV-

3949055

**Amount:** \$49.50

Component Description: WXOW-Brooks-atty

-May17

**Amount:** \$190.85

Component Description: Brooks-WXOW-atty-

July17 inv

**Amount:** \$275.00

Component Description: Brooks-WXOW-atty

-OCT17-inv

**Amount:** \$322.28

Component Description: Brooks-WXOW-

AUG17-inv

**Amount:** \$117.85

Component Description: Brooks-WXOW-

ATTY fees-

SEPT17-inv

**Amount:** \$80.57

Component Description: Brooks -WXOW-

NOV17- atty - inv

**Amount:** \$221.57

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 AUG 2017 - 399
	Amount:	\$423.00
	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 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
	Amount:	\$17,137.50

Comprehensive coverage	Information not provided.
verification via field study,	
if needed	

#### **Other Expenses**

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co
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

Charges			fees from staging area to		
			transmitter site.		
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
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	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
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.

#### **Grand Total**

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

Reimbursem	envestiatus	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

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.

- 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 abovenamed applicant for the Authorization(s) specified above. BRADY
DREASLER
CORPORATE
DIRECTOR
OF
ENGINEERING

04/02/2018

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).

- 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.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- 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.

- 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 abovenamed applicant for the Authorization(s) specified above. B RADY
DREASLER
CORPORATE
DIRECTOR
OF
ENGINEERING

04/02/2018

#### **Attachments**