Approved by OMB (Office of Management and Budget) 3060-1178

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: **0000027498**

FRN: **0030885057** | Date Submitted: **04/05/2018**

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 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 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

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 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

Other Transmitter Cost Not Listed

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 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
	Type	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

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?	No
	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?	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

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.

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 Transmission Line

New 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 Transmission Line

Other Transmission Line Expenses Not Listed

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 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 Transmission Line

Other Transmission Line Expenses Not Listed

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

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	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 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 Services Costs

Other Professional Services Expenses Not Listed

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.

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**	
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 - 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	
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.
	Amount:	$11,090.54

UHF inside RF system including switching	**Component Description:** **Amount:**	WXOW-RF Switching Gates Quote G-61103 LINE C. RF Accessories- 2nd inv 1/3 $11,207.86
	Component Description: **Amount:**	WXOW-RF Switching Gates Quote G-61103 LINE C. RF Accessories- dep inv 1/3 $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:** **Amount:**	Gates-quote Q-61103-INT Electrical switching- LINE D. 1/3 deposit per inv. $3,532.54
	Component Description: **Amount:**	Gates-quote Q-61103-INT Electrical switching- LINE D. 2nd 1/3 payment $3,532.54

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
	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

Sales Tax	**Component Description:** **Amount:** **Component Description:** **Amount:**	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 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. $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
	Amount:	$2,848.75

Switchgear - industrial 800 amp	**Component Description:** **Amount:**	-4-2- please delete this request N/A
	Component Description: **Amount:**	GATES-MAIN TX RF Switching- quote Q-61102 - LINE is C or 1/3 deposit required. $17,059.47
	Component Description: **Amount:**	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 $17,059.47
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
	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

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**		**$58,635.00**	
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, at antenna input, per 4 1/16. feedline (if needed)	$10,950.00	$10,400.00	N/A	$9,255.00	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	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
Primary Antenna TFU-18GTH	**$287,680.00**	**$286,800.00**		**$235,444.51**	
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

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

Components

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 channel (without antenna)	Information not provided.
Sweep test of existing antenna	Information not provided.

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

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

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:	WXOW-SWEEP TEST 10% DEPOSIT INV LINE #26
	Amount:	$640.00

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.
	Amount:	$24,226.95
	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**		**$96,514.60**	
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

Components

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:** 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.

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**	**$362,000.00**		**$0.00**	
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.

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 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/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.	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 QC17 133- DEPOSIT INV. -PER RFAS- 12/2 /17 THIS SUBMITAL IS EARNED SEE PM INVOICE WXOW-INV QC17-133 TOTAL AMOUNT BILLED TO DATE SHOULD BE $17,137.5(
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

Components

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 -May17 **Amount:** $190.85 **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-AUG17-inv **Amount:** $117.85 **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-July17 inv **Amount:** $275.00 **Component Description:** Brooks -WXOW-NOV17- atty - inv **Amount:** $221.57
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 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 AUG 2017 - 399 **Amount:** $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: **Amount:**	WXOW-QCOMM-PM-INV QC17-145 - REPLACED PREVIOUS SUBMITAL- INV QC17-133 - PLEASE DELETE- THIS IS FOR LINE ITEM 4004 $17,137.50

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 Co 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

Components

Information not provided.

Cost Information

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

Reimbursement Status

Question	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.	
	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* 04/05/2018

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).	
	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.

	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