



(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 **02/14**
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 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 <i>QCommunications, LLC</i>	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 leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
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
	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 leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	Yes

Interim Transmitter

Other Transmitter Cost Not Listed

Name		Description
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.
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Interim Antenna

Other Antenna Costs

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

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

Enter a list of RF channel numbers.

RF Channel Number
50
48

**Interim
Antenna**

Other Antenna Cost Not Listed
Information not provided.

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

**Interim
Transmission Line**

New Transmission Line

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

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

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

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

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

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

Facility ID	Call Sign	Service
20665	WIZM-FM	FM

Other Types of Users

Users
2-Way service

Primary Tower

Tower Modification Costs

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

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A

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

Other Tower Expenses Not Listed

Information not provided.

**Outside
Professional Services Costs**

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	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

Other Professional Services Expenses Not Listed

Services Costs

Name	Description
Quarterly reporting -Atty	Preparation and submittal of the FCC required quarterly report 387 by the attorney.
General Repack Attorney	See uploaded memo-QMI Repack Invoice Memo for Shared Legal Expenses (Matter 104411 00054) for Form 399

Other Expenses

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

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

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmitter ULXTE-20	\$774,471.60	\$737,571.60		\$333,724.37	
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$470,000.00	N/A	\$293,153.04	N/A
Sales tax	\$33,271.60	\$33,271.60	sales tax calc per mfg quote and inv	\$11,090.53	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
Primary Transmitter ULXTE-40	\$1,246,050.33	\$1,189,950.33		\$598,310.78	
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$34,118.94	N/A

Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	\$5,697.48	N/A
Sales Tax	\$59,650.33	\$59,650.33	Sales tax est on mfg invoice	\$19,883.44	N/A
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
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

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	\$932,035.15	N/A
Total for all systems	\$3,586,265.93	\$3,432,836.93	N/A	\$1,288,517.90	N/A

Components

Actual Information	
Description	File Name
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	<div> <div> Component Description: </div> <div> 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. </div> </div> <div> <div> Amount: </div> <div> \$146,576.52 </div> </div> <div> <div> Component Description: </div> <div> 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. </div> </div> <div> <div> Amount: </div> <div> \$146,576.52 </div> </div>

Sales tax	<div> <div>Component Description:</div> <div>WXOW- SALES tax - 33 percent payment per Q-61103</div> <div>Amount:</div> <div>\$11,090.53</div> </div>
UHF inside RF system including switching	<div> <div>Component Description:</div> <div>WXOW-RF Switching Gates Quote G-61103 LINE C. RF Accessories- 2nd inv 1/3</div> <div>Amount:</div> <div>\$11,207.86</div> </div> <div> <div>Component Description:</div> <div>WXOW-RF Switching Gates Quote G-61103 LINE C. RF Accessories- dep inv 1/3</div> <div>Amount:</div> <div>\$11,207.86</div> </div>
15 Ton system	Information not provided.
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Switchgear - industrial 800 amp	<div> <div>Component Description:</div> <div>Gates-quote Q-61103-INT Electrical switching- LINE D. 1/3 deposit per inv.</div> <div>Amount:</div> <div>\$3,532.54</div> </div> <div> <div>Component Description:</div> <div>Gates-quote Q-61103-INT Electrical switching- LINE D. 2nd 1/3 payment</div> <div>Amount:</div> <div>\$3,532.54</div> </div>

Switchgear - industrial 800 amp	<div> Component Description: GATES-MAIN TX RF Switching- quote Q-61102 - LINE is C or 2nd payment</div> <div> Amount: \$17,059.47 </div>
	<div> Component Description: GATES-MAIN TX RF Switching- quote Q-61102 - LINE is C or 1/3 deposit required.</div> <div> Amount: \$17,059.47 </div>
Transformer 3 phase/480v - 300 KVA	<div> Component Description: GATES-MAIN TX-WXOW -See quote Q-61102 LINE D is ELECTRIC parts. 2nd payment required.</div> <div> Amount: \$2,848.74 </div>
	<div> Component Description: GATES-MAIN TX-WXOW -See quote Q-61102 LINE D is ELECTRIC parts. 1 /3 deposit required.</div> <div> Amount: \$2,848.74 </div>
Sales Tax	<div> Component Description: WXOW- GATES_MAIN-TX SALES TAX see inv and Q-61102</div> <div> Amount: \$19,883.44 </div>
Transmitter Training	Information not provided.
Site Survey - TX	Information not provided.

Disconnect existing Transmitter	Information not provided.	
25 Ton system	Information not provided.	
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Service entrance 3 phase /800 amp/208 volt	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	Component Description: Amount:	2nd Payment - WXOW -MAIN TX. QUOTE- Q-61102- LINES A,B and E is \$269,305.46 \$269,305.46
	Component Description: Amount:	1/3 DEPOSIT REQUIRED -MAIN TX. QUOTE- Q- 61102-LINES A,B and E is \$269,305.46 \$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	\$316,290.00	\$300,800.00		\$48,762.00	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A
Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	\$10,950.00	\$10,400.00	N/A	\$8,329.50	N/A

Combiner output splitting /switching for dual feed lines, if applicable	\$126,000.00	\$120,000.00	N/A	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$80,000.00	N/A	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	\$40,432.50	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Primary Antenna TFU-18GTH	\$287,680.00	\$286,800.00		\$116,456.63	
Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	\$10,950.00	\$10,400.00	N/A	\$4,555.35	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$2,880.00	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.	\$109,021.28	N/A
Sub-total	\$603,970.00	\$587,600.00	N/A	\$165,218.63	N/A
Total for all systems	\$3,586,265.93	\$3,432,836.93	N/A	\$1,288,517.90	N/A

Components

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

<p>Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)</p>	<table> <tr> <td data-bbox="718 174 1034 210">Component Description:</td><td data-bbox="1161 174 1372 324">WXOW-INTERIM ELBOW DEPOSIT LINE #18</td></tr> <tr> <td data-bbox="718 338 831 367">Amount:</td><td data-bbox="1161 338 1283 367">\$4,164.75</td></tr> <tr> <td data-bbox="718 477 1034 512">Component Description:</td><td data-bbox="1161 477 1366 586">WXOW-ELBOW- line18- 2nd 45 percent due-</td></tr> <tr> <td data-bbox="718 600 831 629">Amount:</td><td data-bbox="1161 600 1283 629">\$4,164.75</td></tr> </table>	Component Description:	WXOW-INTERIM ELBOW DEPOSIT LINE #18	Amount:	\$4,164.75	Component Description:	WXOW-ELBOW- line18- 2nd 45 percent due-	Amount:	\$4,164.75
Component Description:	WXOW-INTERIM ELBOW DEPOSIT LINE #18								
Amount:	\$4,164.75								
Component Description:	WXOW-ELBOW- line18- 2nd 45 percent due-								
Amount:	\$4,164.75								
<p>Combiner output splitting /switching for dual feed lines, if applicable</p>	<p>Information not provided.</p>								
<p>New combiner, cost per channel (without antenna)</p>	<p>Information not provided.</p>								
<p>UHF . Broadband Slot, Side Mount, 8 bay, 20 kW input, directional, horizontally polarized</p>	<table> <tr> <td data-bbox="718 1032 1034 1068">Component Description:</td><td data-bbox="1161 1032 1385 1182">WXOW-ANT- INTERIM-2nd 45 percent -INV MAN00115-line 20</td></tr> <tr> <td data-bbox="718 1196 831 1225">Amount:</td><td data-bbox="1161 1196 1299 1225">\$20,216.25</td></tr> <tr> <td data-bbox="718 1335 1034 1370">Component Description:</td><td data-bbox="1161 1335 1353 1485">WXOW - INTERIM ANTENNA 45% DEPOSIT</td></tr> <tr> <td data-bbox="718 1498 831 1527">Amount:</td><td data-bbox="1161 1498 1299 1527">\$20,216.25</td></tr> </table>	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
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								
<p>Sweep test of existing antenna</p>	<p>Information not provided.</p>								

<p>Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)</p>	<table> <tr> <td data-bbox="708 87 1093 324">Component Description:</td><td data-bbox="1093 87 1426 324">WXOW- ELBOW 10% DEPOSIT FOR LINES #5 AND 6</td></tr> <tr> <td data-bbox="708 324 1093 414">Amount:</td><td data-bbox="1093 324 1426 414">\$1,012.30</td></tr> <tr> <td data-bbox="708 414 1093 638">Component Description:</td><td data-bbox="1093 414 1426 638">ELBOW - 35% DEPOSIT INV LINES # 5 AND 6 ONLY</td></tr> <tr> <td data-bbox="708 638 1093 725">Amount:</td><td data-bbox="1093 638 1426 725">\$3,543.05</td></tr> </table>	Component Description:	WXOW- ELBOW 10% DEPOSIT FOR LINES #5 AND 6	Amount:	\$1,012.30	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								
Component Description:	ELBOW - 35% DEPOSIT INV LINES # 5 AND 6 ONLY								
Amount:	\$3,543.05								
<p>Sweep test of existing antenna</p>	<table> <tr> <td data-bbox="708 725 1093 929">Component Description:</td><td data-bbox="1093 725 1426 929">SWEEP 35% DEPOSIT INV LINE#26</td></tr> <tr> <td data-bbox="708 929 1093 1019">Amount:</td><td data-bbox="1093 929 1426 1019">\$2,240.00</td></tr> <tr> <td data-bbox="708 1019 1093 1220">Component Description:</td><td data-bbox="1093 1019 1426 1220">WXOW-SWEEP TEST 10% DEPOSIT INV LINE #26</td></tr> <tr> <td data-bbox="708 1220 1093 1312">Amount:</td><td data-bbox="1093 1220 1426 1312">\$640.00</td></tr> </table>	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
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 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		\$88,916.94	
Rigid Transmission Line - copper, 4 1 /16"	\$127,800.00	\$121,500.00	N/A	\$88,916.94	N/A
Primary Transmission Line	\$157,800.00	\$151,500.00		\$46,036.62	
Securirty - Site	<i>\$17,500.00</i>	\$17,500.00	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.	N/A	N/A
Rigid Transmission Line - copper, 4 1 /16"	\$127,800.00	\$121,500.00	N/A	\$46,036.62	N/A

Disconnect existing Interior RF components	\$12,500.00	\$12,500.00	Disconnect interior transmission line and filters from existing configuration and move within the building to make way for new facilities.	N/A	N/A
Sub-total	\$285,600.00	\$273,000.00	N/A	\$134,953.56	N/A
Total for all systems	\$3,586,265.93	\$3,432,836.93	N/A	\$1,288,517.90	N/A

Components

Actual Information	
Description	File Name
Rigid Transmission Line - copper, 4 1/16"	<p>Component Description: WXOW-INTERIM TX LINE- 2nd 45percent inv - LINE 2 and 21</p> <p>Amount: \$44,458.47</p> <p>Component Description: WXOW-INTERIM TX LINE DEPOSIT 45% LINE #2</p> <p>Amount: \$44,458.47</p>
Securirty - Site	Information not provided.

Rigid Transmission Line - copper, 4 1/16"	<div> <div> Component Description: Amount: </div> <div> TX LINE 35% DEPOSIT INV FOR LINE #7 \$35,806.26 </div> </div> <div> <div> Component Description: Amount: </div> <div> WXOW- TX LINE 10% DEPOSIT LINE #26 \$10,230.36 </div> </div>
Disconnect existing Interior RF components	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	\$3,586,265.93	\$3,432,836.93	N/A	\$1,288,517.90	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 Justification
Outside Professional Services	\$231,994.00	\$220,200.00		\$56,310.56	
Quarterly reporting -Atty	<i>\$4,500.00</i>	\$4,500.00	Preparation and submittal of the FCC required quarterly report 387 by the attorney. EST. 6qtrs@\$750	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	We need 1 STA for the initial request and we are budgeting 1 additional STA in case the project requires an addition STA for unforeseen issues during the construction period.	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$4,162.00	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	We need 1 STA for the initial request and we are budgeting 1 additional STA in case the project requires an addition STA for unforeseen issues during the construction period.	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	\$45,704.00	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	\$1,474.56	N/A
Sub-total	\$231,994.00	\$220,200.00	N/A	\$56,310.56	N/A
Total for all systems	\$3,586,265.93	\$3,432,836.93	N/A	\$1,288,517.90	N/A

Components

Actual Information
Description

File Name

Quarterly reporting -Atty	Information not provided.																								
Comprehensive coverage verification via field study, if needed	Information not provided.																								
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.																								
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.																								
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<table> <tr> <td>Component Description:</td><td>LEGAL WORK FOR WXOW SEPT 17</td></tr> <tr> <td>Amount:</td><td>\$564.00</td></tr> <tr> <td>Component Description:</td><td>LEGAL WXOW 399 MAY 2017</td></tr> <tr> <td>Amount:</td><td>\$453.00</td></tr> <tr> <td>Component Description:</td><td>LEGAL WXOW APRIL 2017 399</td></tr> <tr> <td>Amount:</td><td>\$517.00</td></tr> <tr> <td>Component Description:</td><td>LEGAL WXOW AUG 2017 - 399</td></tr> <tr> <td>Amount:</td><td>\$423.00</td></tr> <tr> <td>Component Description:</td><td>LEGAL WXOW JUNE 2017 399</td></tr> <tr> <td>Amount:</td><td>\$359.00</td></tr> <tr> <td>Component Description:</td><td>LEGAL WXOW JULY 2017 -399</td></tr> <tr> <td>Amount:</td><td>\$1,846.00</td></tr> </table>	Component Description:	LEGAL WORK FOR WXOW SEPT 17	Amount:	\$564.00	Component Description:	LEGAL WXOW 399 MAY 2017	Amount:	\$453.00	Component Description:	LEGAL WXOW APRIL 2017 399	Amount:	\$517.00	Component Description:	LEGAL WXOW AUG 2017 - 399	Amount:	\$423.00	Component Description:	LEGAL WXOW JUNE 2017 399	Amount:	\$359.00	Component Description:	LEGAL WXOW JULY 2017 -399	Amount:	\$1,846.00
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Amount:	\$359.00																								
Component Description:	LEGAL WXOW JULY 2017 -399																								
Amount:	\$1,846.00																								
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	<p>Component Description: ENGR-WXOW-CP APP-LOHNES</p> <p>Amount: \$1,970.00</p>
Perform engineering study for new channel assignment and antenna development	<p>Component Description: ENGR-WXOW-NEW CHANNEL STUDY - 399</p> <p>Amount: \$3,000.00</p>
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	<p>Component Description: PM - WXOW - 50% DEPOSIT INV-see quote PM QCOMM QC17004 requiring deposit. INV QC17-133 is paid.</p> <p>Amount: \$45,704.00</p>

General Repack Attorney

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

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

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

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

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

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

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

**Cost
Information**

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$63,080.00	\$62,515.00		\$0.00	
MVPD Notification of Channel Change	<i>\$5,000.00</i>	\$5,000.00	FCC required announcements.	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$15,000.00</i>	\$15,000.00	Required FCC announcements and good will public relations must be upheld. The production airing and disseminating of these announcements are fundamental to our operations.	N/A	N/A
Equipment Storage	<i>\$13,000.00</i>	\$13,000.00	Expecting multiple staggered equipment deliveries from different vendors and need to store and stage new equipment prior to installation date. Anticipate from 6-24 months of storage time.	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
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
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
Sub-total	\$63,080.00	\$62,515.00	N/A	\$0.00	N/A
Total for all systems	\$3,586,265.93	\$3,432,836.93	N/A	\$1,288,517.90	N/A

Components

Information not provided.

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$3,586,265.93	\$3,432,836.93	\$1,288,517.90

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

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

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

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

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

02/14/2018

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

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

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>BRADY DREASLER CORPORATE DIRECTOR OF ENGINEERING</p> <p>02/14/2018</p>

Attachments