



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **64550** | Service: **DTV** | Call **WQOW** | Channel: **25 (UHF)** |
ID: | Sign:
File **0000027502**
Number:
FRN: **0030885057** | Date **08/02**
Submitted: **/2019**

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	Brady Dreasler P.O. BOX 909 QUINCY, IL 62306 United States	+1 (217) 223- 5100	bdreasler@quincyinc. com	Corporation

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>President</i> <i>QCommunications,</i> <i>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 ch15 to ch25 will allow the use of the current antenna however the transmission line will require modifications.

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	Diamond
	Year	2001
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	16 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	20 kW
	Justification for New Transmitter	Necessary to facilitate the channel reassignment. Existing Transmitter is not tunable per 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	300.0 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
Electrical system modifications to accommodate the new transmitter	Electrician required to provide and install the equipment in preparation of the new transmitters electrical requirements.
Plumbing installation for new transmitter	plumber required to install the new transmitter cooling systems
Transmitter-Disconnect	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.
Transmitter Site Preperation	Site Preparation for Repack Interim and Main Transmitter installation Performing work that is not in the installation SOW on site to prepare for the GatesAir installation crew arrival to ensure there are no delays to the installation crews plans

Site Survey - TX	Site survey and report are 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.
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.

Antennas

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

**Primary
Antenna****Existing Antenna Information**

Section	Question	Response
Existing Antenna Description	Type of change	Retune Existing
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing 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	Broadband Panel
	Number of Stations Supported	1
	Number of Panels	32
	Design power capacity in use	50.0 %
	Lower Limit	470.00 MHz

	Upper Limit	698.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	200.0 kW
	Manufacturer	Dielectric
	Model	TUP-SP4-8-1
	Year	2000

**Primary
Antenna**

Adjustment to Existing Antenna

Section	Question	Response
Sweep Test of Existing Antenna	Do you need a sweep test of existing antenna?	Yes

**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	

**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?	No
	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	50.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	100.0 kW
	Manufacturer	
	Model	TFU-8WB
	Year	2017

Justification for New Antenna	6-14-18-ZEROED all Interim facility EST pricing per call with Raphael Sznajder. The 399 tool will not DELETE the TX, ANT or LINE. Deleting returns an error message. WQOW will not be requiring an INTERIM due to an engineering work around.
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Interim Antenna

Other Antenna Costs

Section	Question	Response
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

**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	Utilize Existing
	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	Dielectric
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	993 feet per run

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Disconnect Interior RF	Disconnect interior transmission line and filters from existing configuration and move within the building to make way for new facilities.
Refurbish Transmission Line	Refurbish instead of replace. Per Resonant Results, Ltd, Field Report.

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	19 ½ '
	Other Segment Length	
	Number of parallel runs	1
	Length	975 feet per run

	Justification for New Transmission Line	6-14-18-ZEROED all Interim facility EST pricing per call with Raphael Sznajder. The 399 tool will not DELETE the TX, ANT or LINE. Deleting returns an error message. WQOW will not be requiring an INTERIM due to an engineering work around.
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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	Move Equipment
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	44° 47' 59.0" N-
	Longitude (NAD83)	091° 27' 57.0" W-
	Overall Structure Height	961.00 feet
	Support Structure Height	888.00 feet
	Ground Elevation Above Mean Sea Level (AMSL)	888.00 feet

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	Gray Television Group, Inc.
	Date Constructed	09/25/1956

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

Name	Description
STRUCTURAL ENGINEERING	TOWER ANALYSIS

**Outside
Professional Services Costs**

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	614
	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	No
	Quantity	N/A
	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	No
	Quantity	N/A
	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	Yes
	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
Legal General Repack issues	See uploaded- QMI Repack Invoice Memo for Shared Legal Expenses (Matter 104411 00054) for Form 399
Quarterly reporting	Preparation and submittal of the FCC required quarterly report 387 by attorney.
Vendor Travel Expenses	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project - see quote for estimated expenses.

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	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	No
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
Primary Transmitter ULXTE-40	\$1,005,000.00	\$961,800.00		\$662,712.35	
Security - Site	<i>\$17,500.00</i>	\$17,500.00	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.	N/A	N/A
Transmitter training	<i>\$3,300.00</i>	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A	N/A
Site Survey - TX	<i>\$20,000.00</i>	\$20,000.00	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.	\$7,500.00	N/A

Transmitter Site Preperation	\$6,500.00	\$6,500.00	Site Preparation for RepackMain Transmitter installation Performing work that is not in the installation SOW on site to prepare for the GatesAir installation crew arrival to ensure there are no delays to the installation crews installation pl	\$6,500.00	N/A
Transmitter- Disconnect	\$20,000.00	\$20,000.00	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	\$18,500.00	N/A
Plumbing installation for new transmitter	\$14,600.00	\$14,600.00	plumber required to install the new transmitter cooling systems per vendor estimate.	\$14,515.10	N/A

Electrical system modifications to accommodate the new transmitter	\$50,400.00	\$50,400.00	Electrician required to provide and install the equipment in preparation of the new transmitters electrical requirements. per po20377 and vendor estimate.	\$37,746.53	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$7,800.00	\$7,500.00	N/A	N/A	N/A
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	\$0.00	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	\$5,697.50	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$650,000.00	N/A	\$538,134.28	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$34,118.94	N/A
25 Ton system	\$91,500.00	\$87,000.00	N/A	N/A	N/A
Sub-total	\$1,005,000.00	\$961,800.00	N/A	\$662,712.35	N/A
Total for all systems	\$2,955,275.00	\$1,632,753.00	N/A	\$786,035.73	N/A

Components

Actual Information	
Description	File Name

Security - Site	Information not provided.	
Transmitter training	Information not provided.	
Site Survey - TX	Component Description: Amount:	WQOW-SITE SURVEY-INV- QC18-029 \$7,500.00
Transmitter Site Preparation	Component Description: Amount:	WQOW- MAIN SITE PREP - INV QC18-056 \$6,500.00
Transmitter-Disconnect	Component Description: Amount:	WQOW- QCOMM- DECOMM INV QC19-010 \$18,500.00
Plumbing installation for new transmitter	Component Description: Amount:	WQOW - BERNIE - PLUMBING INV 857757 \$14,515.10

Electrical system modifications to accommodate the new transmitter	<table> <tr> <td data-bbox="708 98 1114 524"> Component Description: </td><td data-bbox="1114 98 1428 524"> WQOW- P AND T INV 16136 - ELECTRIC WORK FOR NEW TX- LABOR AND MATERIAL </td></tr> <tr> <td data-bbox="708 524 1114 591"> Amount: </td><td data-bbox="1114 524 1428 591"> \$35,723.93 </td></tr> <tr> <td data-bbox="708 591 1114 994"> Component Description: </td><td data-bbox="1114 591 1428 994"> WQOW- P AND T - INV 16296 - ELECTRIC INSTALL PROGRESS MATERIAL </td></tr> <tr> <td data-bbox="708 994 1114 1061"> Amount: </td><td data-bbox="1114 994 1428 1061"> \$2,022.60 </td></tr> </table>	Component Description:	WQOW- P AND T INV 16136 - ELECTRIC WORK FOR NEW TX- LABOR AND MATERIAL	Amount:	\$35,723.93	Component Description:	WQOW- P AND T - INV 16296 - ELECTRIC INSTALL PROGRESS MATERIAL	Amount:	\$2,022.60
Component Description:	WQOW- P AND T INV 16136 - ELECTRIC WORK FOR NEW TX- LABOR AND MATERIAL								
Amount:	\$35,723.93								
Component Description:	WQOW- P AND T - INV 16296 - ELECTRIC INSTALL PROGRESS MATERIAL								
Amount:	\$2,022.60								
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.								
Transformer 3 phase/480v - 300 KVA	Information not provided.								
Service entrance 3 phase /800 amp/208 volt	<table> <tr> <td data-bbox="708 1106 1114 1554"> Component Description: </td><td data-bbox="1114 1106 1428 1554"> WQOW - MAIN TX INV- TE10004378-2 Q- 59383 LINE D Electric- 5-29 - correct amount. </td></tr> <tr> <td data-bbox="708 1554 1114 1621"> Amount: </td><td data-bbox="1114 1554 1428 1621"> \$2,848.75 </td></tr> <tr> <td data-bbox="708 1621 1114 1778"> Component Description: </td><td data-bbox="1114 1621 1428 1778"> Gates WQOW - TX quote Q-59383 Electric - D Electric </td></tr> <tr> <td data-bbox="708 1778 1114 1845"> Amount: </td><td data-bbox="1114 1778 1428 1845"> \$2,848.75 </td></tr> </table>	Component Description:	WQOW - MAIN TX INV- TE10004378-2 Q- 59383 LINE D Electric- 5-29 - correct amount.	Amount:	\$2,848.75	Component Description:	Gates WQOW - TX quote Q-59383 Electric - D Electric	Amount:	\$2,848.75
Component Description:	WQOW - MAIN TX INV- TE10004378-2 Q- 59383 LINE D Electric- 5-29 - correct amount.								
Amount:	\$2,848.75								
Component Description:	Gates WQOW - TX quote Q-59383 Electric - D Electric								
Amount:	\$2,848.75								

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	Component Description: WQOW- MAIN TX -INV TE10004378- 2 LINES A B and E - see Q59383 Amount: \$269,067.14 Component Description: DEP ON MAIN TX WQOW - A B and E - see Q59383 Amount: \$269,067.14
Switchgear - industrial 800 amp	Component Description: Gates WQOW - quote Q-59383 - RF Access - C inv Amount: \$17,059.47 Component Description: WQOW - MAIN TX INV- TE10004378-2 quote Q-59383 - RF Access - C inv Amount: \$17,059.47
25 Ton system	Information not provided.

Cost
Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-8WB	\$135,490.00	\$0.00		\$0.00	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$0.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$0.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$0.00	N/A	N/A	N/A

UHF - Lower Power Side Mount, One station antenna - medium power (50- 200 kW), horizontally polarized	\$89,400.00	\$0.00	N/A	N/A	N/A
Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	\$10,950.00	\$0.00	N/A	N/A	N/A
Primary Antenna TUP-SP4-8- 1	\$6,730.00	\$6,400.00		\$0.00	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Sub-total	\$142,220.00	\$6,400.00	N/A	\$0.00	N/A
Total for all systems	\$2,955,275.00	\$1,632,753.00	N/A	\$786,035.73	N/A

Components

Information not provided.

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	\$138,450.00	\$0.00		\$0.00	
Rigid Transmission Line - copper, 4 1/16"	\$138,450.00	\$0.00	N/A	N/A	N/A
Primary Transmission Line	\$163,900.00	\$163,900.00		\$12,500.00	
Refurbish Transmission Line	<i>\$151,400.00</i>	\$151,400.00	Per Resonant Results, Ltd, Field Report 2/17/17 the transmission line can be refurbished to operate on the new channel allocation. Cost estimate is for 950' tower and sweep test and Plumb and Tensioning.	N/A	N/A

Disconnect Interior RF	\$12,500.00	\$12,500.00	Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.	\$12,500.00	N/A
Sub-total	\$302,350.00	\$163,900.00	N/A	\$12,500.00	N/A
Total for all systems	\$2,955,275.00	\$1,632,753.00	N/A	\$786,035.73	N/A

Components

Actual Information	
Description	File Name
Rigid Transmission Line - copper, 4 1/16"	Information not provided.
Refurbish Transmission Line	Information not provided.
Disconnect Interior RF	Component Description: WQOW-QCOMM-DECOMM INV QC19-010 Amount: \$12,500.00

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	\$222,500.00	\$212,000.00		\$5,750.00	
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	N/A	N/A
STRUCTURAL ENGINEERING	<i>\$12,000.00</i>	\$12,000.00	Structural engineering to determine if tower will hold interim antenna and new config at current requirements	\$5,750.00	N/A
Sub-total	\$222,500.00	\$212,000.00	N/A	\$5,750.00	N/A
Total for all systems	\$2,955,275.00	\$1,632,753.00	N/A	\$786,035.73	N/A

Components

Actual Information	
Description	File Name
Tall Tower (greater than 500')	Information not provided.
STRUCTURAL ENGINEERING	Component Description: WQOW-TOWER TECH-INV-17-116 Amount: \$5,750.00

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	\$238,810.00	\$228,258.00		\$102,123.38	
Legal General Repack issues	<i>\$10,000.00</i>	\$10,000.00	see exhibit memo - QMI Repack Invoice Memo for Shared Legal Expenses (Matter 104411 00054) for Form 399	\$4,440.20	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$2,400.00	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
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	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	\$4,506.00	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 - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N/A

Quarterly reporting	\$5,000.00	\$5,000.00	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.	N/A	N/A
Vendor Travel Expenses	\$13,408.00	\$13,408.00	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project - see quote for estimated expenses. QC-17003	\$10,327.18	N/A
Project management of the transition	\$97,012.00	\$92,100.00	N/A	\$78,480.00	N/A
Sub-total	\$238,810.00	\$228,258.00	N/A	\$102,123.38	N/A
Total for all systems	\$2,955,275.00	\$1,632,753.00	N/A	\$786,035.73	N/A

Components

Actual Information	
Description	File Name
Legal General Repack issues	Component Description:
	General Legal- OCT17-WQOW-inv
	Amount:
	\$322.28
	Component Description:
	WQOW-BROOKS - JULY18 INV 3955734
	Amount:
	\$495.00

Component Description:	WQOW-BROOKS- MAY18-INV 3953761
Amount:	\$445.50

Component Description:	WQOW - BROOKS - LEGAL OCT 19 - INV 3959630
Amount:	\$363.00

Component Description:	General Legal- NOV17-WQOW-inv
Amount:	\$221.57

Component Description:	General Legal- JULY17-WQOW-inv
Amount:	\$275.00

Component Description:	General Legal - SEPT-WQOW-inv
Amount:	\$80.57

Component Description:	General Legal- MAY17-WQOW
Amount:	\$190.85

Component Description:	WQOW-BROOKS- LEGAL JAN-18- INV 3949056
Amount:	\$297.00

Component Description:	General Legal - AUG17-WQOW-inv
Amount:	\$117.85

	Component Description: Amount:	WQOW-BROOKS- JUNE18- INV 3954664 \$1,287.00
	Component Description: Amount:	WQOW-BROOKS LEGAL INV 3952581-APRIL18 \$297.00
	Component Description: Amount:	General Legal- JUNE17 - WQOW inv \$266.44
	Component Description: Amount:	WQOW-BROOKS AUG18 INV 3957121 \$148.50
	Component Description: Amount:	WQOW-BROOKS- MAR18 INV- 3951198 \$445.50
Comprehensive coverage verification via field study, if needed	Information not provided.	
Prepare and or review reimbursement form	Information not provided.	
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	

Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	NEW CHANNEL ASSIGN ENGR- LOHNES INV- WQOW \$2,400.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	CP APPLICATION- WQOW - LOHNES ENGR \$1,970.00
Prepare engineering section of 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-WQOW-SEPT17 Amount: \$423.00
	Component Description: LEGAL AUGUST17 - WQOW Amount: \$470.00
	Component Description: LEGAL-MAY17-WQOW Amount: \$453.00
	Component Description: LEGAL JUNE17-WQOW Amount: \$359.00
	Component Description: Legal-WQOW-OCT17-inv Amount: \$329.00
	Component Description: Legal-WQOW-NOV17-inv Amount: \$94.00
	Component Description: LEGAL - JULY17 WQOW Amount: \$1,861.00
	Component Description: LEGAL APRIL17 - WQOW Amount: \$517.00
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.

Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.	
Quarterly reporting	Information not provided.	
Vendor Travel Expenses	Component Description: Amount:	WQOW- PM -AUG-NOV18 - INV QC19-018 - PM TRAVEL TIME \$8,400.00 WQOW-PM TRAVEL - INV 1THRU3-18 - INV QC18-048 LINES 1010,1014 AND 1015 \$1,110.11 WQOW-PM- TRAVEL EXP - INV QC17-143 - ITEMS 1010-1015 \$817.07

Project management of the transition

Component Description: WQOW-PM-INV-
QC17-143 - ITEM
4004

Amount: \$15,450.00

Component Description: WQOW-PM-
1THRU3 18 - INV
QC18-048

Amount: \$9,562.50

Component Description: WQOW-PM- SEPT-
DEC-17- INV QC18-
019

Amount: \$12,270.00

Component Description: WQOW- PM -AUG-
NOV18 - INV QC19-
018 - PM TIME

Amount: \$22,537.50

Component Description: WQOW - QCOMM
PM 4THRU7-18
INV QC18-069

Amount: \$18,660.00

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$60,995.00	\$60,395.00		\$2,950.00	
MVPD Notification of Channel Change	<i>\$5,000.00</i>	\$5,000.00	Required FCC notification.	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>\$10,000.00</i>	\$10,000.00	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.	\$0.00	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
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$2,950.00	N/A
Sub-total	\$60,995.00	\$60,395.00	N/A	\$2,950.00	N/A
Total for all systems	\$2,955,275.00	\$1,632,753.00	N/A	\$786,035.73	N/A

Components

Actual Information	
Description	File Name
MVPD Notification of Channel Change	Information not provided.

Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.
Equipment Delivery and Handling Charges	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.
DTV Medical Facility Notification	Component Description: WQOW-RF NOTE- MEDICAL - INV 1059 Amount: \$2,950.00

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost Actual Cost
	Total for all systems	\$2,955,275.00	\$1,632,753.00 \$786,035.73

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	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 08/02/2019

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		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.	BRADY DREASLER <i>CORPORATE DIRECTOR OF ENGINEERING</i> 08/02/2019

Attachments