

Federal Communications Commission

(REF	ER	ENCE	COPY	-	Not for	submission)
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FCC Form 399: Reimbursement Request

Facility ID:	81503	Service: DTV	Call Sign:	WMOW	Channel:
13 (High	VHF)	File 00	00027497		
		Number:			
FRN: 003	0884985	Date	04/06		
		Submitted:	/2021		

Applicant Name, Type, and Contact Information

Information

Applicant	Address	Phone	Email	Applicant Type
WAOW-WYOW License, LLC Doing Business As: WAOW- WYOW License, LLC	Brady Dreasler P.O. Box 909 Quincy, IL 62306 United States	+1 (217) 223-5100	bdreasler@quincyinc. com	Limited Liability Company

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Preparer Contact Name and Information

Contact Information	Applicant	Address	Phone	Email
	Tony zumMallen QCommunications	Tony zumMallen 705B SE Melody LN #314 Lees Summit, MO 64063 United States	+1 (816) 729- 1177	tony@qcom1. com

Broadcaster	Question	Response
Information and Transition Plan	Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	Νο
	Briefly describe transition plan	Transition from ch12 to ch13 and will require a new antenna as show by system analysis. A new transmitter and systems will also be required along with interim systems for use in the transition.

Transmitters ^S	Section	Question	Response
	Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

Primary	Existing Transmitter Information					
Fransmitter	Section	Question	Response			
	Existing Transmitter Description	Type of change	Purchase New			
		Use	Primary (Main)			
		Description of Use	N/A			
		Ownership	Owned			
		Owner	N/A			
		Site	N/A			
		Is this transmitter currently shared with another station?	No			
		Is this transmitter currently in operating condition?	Yes			
	Existing Transmitter	Manufacturer				
	Manufacturer and Type	Model	Platinum			
		Year	1990			
		Туре	Solid State			
		Solid State Cooling	Air Cooled			
		Solid State Power Capacity	4 kW			

Existing Transmitter Information

Primary	New Transmitter Costs					
Transmitter	Section	Question	Response			
	New Transmitter	Use	Primary (Main)			
		Change Type	Purchase New			
		Is this a request for upgraded equipment?	No			
		Manufacturer				
		Model	VAXTE-2R44			
		Transmitter Type	Solid State			
		Solid State Cooling	Air Cooled			
		Solid State Power capacity	1.6 kW			
		Justification for New Transmitter	Existing transmitter is not tunable per transmitter manufacturer, GatesAir.			

Primary	Other Transmitter Costs					
Transmitter	Section	Question	Response			
	Electrical Service	Service Entrance (3 phases 800A 208V)	No			
		Switchgear (industrial 800 amp)	No			
		Transformer (480V)	Yes			
		Power	300 kVA			
		Rigid Conduit and Wiring	Yes			
		Size	2 inches			
		Length	200.0 feet			
		Other Electrical Service	No			
			-			

	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	5 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	Other Transmitter Cost Not Listed			
Transmitter	Name	Description		
	Disconnect existing Transmitter	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.		
	Transmitter- Training	Transmitter training - offsite - 1 week in duration at mfg site.		
	Sales Tax	Sales tax collected by vendors as part of the repack		
	Remote Control System	Install ARC system		
	Freight	Freight for transmitter		
	Site Survey - TX	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.		

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.

Interim	New Transmitter Costs			
Transmitter	Section	Question	Response	
	New Transmitter	Use	Interim	
		Description of Use	N/A	
		Change Type	Purchase	
		Manufacturer		
		Model	VAXTE-1-R- 44	
		Transmitter Type	Solid State	
		Solid State Cooling	Air Cooled	
		Solid State Power capacity	1.1 kW	
		Justification for New Transmitter	Interim facility is required to avoid prolonged period of station silence during transition, and station currently has no aux facility to use for interim operation. Extended silent period during transition to new channel is unreasonable.	

Interim	Other Transmitter Costs		
Transmitter	Section	Question	Response

Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	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?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	Yes

Interim Other Transmitter Cost Not Listed

Transmitter

Name

Description

Other Building Addition Size: 220.0	Line created to record negative amount.
	\$6074.33 was reimbursed on TE10004487-
	1. The enclosure was no longer needed and
	CO was created (PO 20660)

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

Primary	Existing Antenna Information				
Antenna	Section	Question	Response		
	Existing Antenna Description	Type of change	Purchase New		
		Antenna Use	Primary (Main)		
		Description of Use	N/A		
		Ownership	Owned		
		Owner	N/A		
		Site	N/A		
		Is the existing antenna shared with another station or stations?	No		
		Is the existing antenna directional?	No		
		Is antenna in operating condition?	Yes		
		Is antenna located on or in close proximity to an antenna farm?	No		
	Existing Antenna	Class	Full Power		
	Manufacturer and Type	Mounting	Side Mount		
		Antenna position in stack	Not in Stack		
		Polarization	Horizontal		
		Туре	Other		
		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	Panel		
		ERP: (Effective Radiated Power)	4.0 kW		
		Manufacturer			

Model	DRV-3-4- HO
Year	2011

Primary Antenna	Section	Question	Response
	New Antenna Description	Use	Primary (Main)
		Description of Use	N/A
		Change Type	Purchase New
		Is this a request for upgraded equipment?	No
		Ownership	Owned
		Owner	N/A
		Is antenna shared?	No
		Is antenna directional?	No
		Will antenna be located on or in close proximity to an antenna farm?	No
	New Antenna Manufacturer and Types	Class	Full Power
		Mounting	Side Mount
		Antenna position in stack	Not in Stacl
		Polarization	Horizontal
		Туре	Broadband Panel
		Number of Stations Supported	1
		Number of Panels/Bays	12
		Lower Limit	470.00 MHz
		Upper Limit	698.00 MHz
		Design power capacity in use	80.0 %
		Other Antenna Type	N/A
		ERP: (Effective Radiated Power)	3.2 kW
		Manufacturer	
		Model	DRV-3-4-H(

Year
Justification for New Antenna

Primary Antenna	Other Antenna Costs			
	Section	Question	Response	
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No	
		Туре		
		Number of channels supported	N/A	
		Frequencies of channels supported	N/A	
		Frequency	N/A	
		Do you need a combiner output splitter /switcher for dual feed lines?	N/A	
	Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes	
		Broadband or Single Channel?	Broadband	
		Feed Line Size	3 1/8 inches inches	
	Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power 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	

Primary Other Antenna Cost Not Listed

Antenna Information not provided.

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

Primary	Existing Transmission Line			
Transmissio	n Line Section	Question	Response	
	Existing Transmission Line Description	Type of change	Purchase New	
		Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
		Is the existing transmission line shared with another station or stations?	No	
		Is Transmission Line in operating condition?	Yes	
	Existing Transmission	Manufacturer		
	Line Manufacturer and Type	Туре	Flexible Foam	
		Diameter	1 5/8 inches	
		Other Diameter	N/A	
		Segment Length	N/A	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	260 feet per run	

Primary	New Transmission Line			
Transmissio	n Line Section	Question	Response	
	New Transmission Line Costs	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	No	
		Туре	Flexible Foam	
		Diameter	1 5/8 inches	
		Other Diameter	N/A	
		Segment Length	N/A	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	275 feet per run	
		Justification for New Transmission Line	Required for new channel assignment operations.	

Other Transmission Line Expenses Not Listed Transmission

SSIO	Name	Description
	Coax Switch	provide antenna switching from main to interim transmitter during cut-over.
	Disconnect existing Interior RF components	Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.

Installation of new transmission line	Delivery, removal of old line and installation
	of new transmission line

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

marv	Existing	Tower
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Primary Tower	Existing Tower			
	Section	Question	Response	
	Existing Tower Description	Type of change	Modify Existing	
		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?	Yes	
		One or more FM, AM or TV radio broadcaster(s)	No	
		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	1051793	
	Coordinates (<u>NAD83</u> (North American Datum of 1983))	Latitude (NAD83)	45° 34' 23.4" N-	
		Longitude (NAD83)	088° 52' 58.7" W-	
		Overall Structure Height	299.87 feet	
		Support Structure Height	279.85 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	1823.14 feet	

Structure Type	LTOWER - Lattice Tower
Tower Owner	Global Tower, LLC. through American Towers, LLC
Date Constructed	06/08/1998

Other Types of Users

Users

Cellular

Primary Tower Modification Costs

Tower

Tower

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

Primary Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	No

PrimaryOther Tower Expenses Not ListedTowerInformation not provided.

Outside Professional	Section	Question	Response
	Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	394
		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	4
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	4
	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
		I

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

Outside Professional Services Costs Description **General Legal** Legal fees for the the day to day legal issues and inquires of the repack project that are not billable under the standard 399 line items for legal questions. This would cover meetings with the station to review PN's, FCC meeting of rules, etc. Preparation and submittal of the FCC Quarterly reporting required quarterly report 387 by PM and attorney. Site Project Management Project Management - ATC site 375184 **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. Antenna Test Test antenna system for frequency and time domain response, specifically on channels 12 and 13 due to Repack activities

Other Professional Services Expenses Not Listed

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

Other Expenses Not Listed

Other Expenses	Other Expenses Not Listed			
	Name	Description		
	Additional Insurance	Additional insurance expense to cover equipment in storage		

Transmitters

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmitter VAXTE-1-R- 44	\$242,674.33	\$231,074.33		\$0.00	
VHF inside RF system including switching	\$78,900.00	\$75,000.00	N/A	\$0.00	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	\$0.00	N/A
High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW	\$152,500.00	\$145,000.00	N/A	\$0.00	N/A

Other Building Addition Size: 220.0	\$6,074.33	\$6,074.33	***System Notice: Estimate adjusted and locked because line has been superseded. ***Existing TX room is 10x10 building. Since this site is a leased site for WMOW to facilitate the interim requires a temporary solution. The solution that Gates Air offers is a transmitter trailer to hold the interim TX.	\$6,074.33	N/A
Primary Transmitter VAXTE-2R44	\$277,954.68	\$275,566.68		\$141,077.54	
Remote Control System	\$4,561.42	\$4,561.42	Remote control system per actual system. 2/3 /2021 - estimate adjusted for allowed components of remote control system.	\$4,561.42	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
Site Survey - TX	\$15,000.00	\$15,000.00	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.	\$5,000.00	N/A
Freight	\$2,843.26	\$2,843.26	Actual freight Per GatesAir INV US0339913	\$2,843.25	N/A
Sales Tax	\$0.00	\$0.00	9/2/20 - Sales Tax Exempt. est sales tax per Gates INV TE10004487- 1	\$0.00	N/A
Transmitter- Training	\$3,300.00	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A	N/A

Disconnect existing Transmitter	\$20,000.00	\$20,000.00	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	\$8,000.00	N/A
5 Ton system	\$20,250.00	\$27,362.00	Per actual costs from Bassett Mechanical for (2) 2-ton HVAC units - INV 607991P - PO 21141	\$27,362.00	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	\$0.00	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	\$12,039.56	N/A
High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW	\$152,500.00	\$145,000.00	N/A	\$81,271.31	N/A
Sub-total	\$520,629.01	\$506,641.01	N/A	\$141,077.54	N/A
Total for all systems	\$1,364,380.37	\$1,333,106.88	N/A	\$416,540.43	N/A

Components

Actual Information Description	File Name
VHF inside RF system including switching	Information not provided.

2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW	Information not provided.	
Other Building Addition Size: 220.0	Component Description:	Change order for the enclosure on a trailer. No longer needed. INV US0332699
	Amount:	(\$6,074.33)
Other Building Addition		
Size: 220.0	Component Description:	WMOW-GATES- MAIN-TEMP SHELTER-INV- TE10004487-1 Q- 73722 ITEM F
	Amount:	\$6,074.33

Remote Control System		
	Component Description:	Allowed Remote control components - Burk
	Amount:	- INV 00068909 \$4,561.42
	Component Description:	See attached cover sheet for justification. Includes \$213.67 in taxes not on original quote. Remote control system. Burk INV 00068909. Attached are invoices from Harris that show the remote control system this station had prior to Repack. \$7,094.42
Securirty - Site	Information not provided.	
Site Survey - TX		
	Component Description:	WMOW-SURVEY-
	Amount:	INV-QC18-026 \$5,000.00
Freight		
	Component Description:	Actual Freight costs. GatesAir INV US0339913
	Amount:	\$2,843.25

Sales Tax		
	Component Description: Amount:	Sales tax exempt. (\$2,059.95)
	Component Description:	WMOW-GATES- SALES TAX -INV
	Amount:	TE10004487-1 \$2,059.95
Transmitter- Training	Information not provided.	
Disconnect existing Transmitter	Component Description: Amount:	Decommission existing transmitter and disconnect RF components. WMOW - QComm - INV QC20-336 - PO 20233 \$8,000.00
5 Ton system	Component Description: Amount:	Costs to supply and install (2) 2-ton HVAC units \$27,362.00
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

Transformer 3 phase/480v - 300 KVA	Component Description:	Total Lines C&D. Gates Air INV US0332699
	Amount:	\$4,013.18
	Component Description:	WMOW-GATES- MAIN- INV TE10004487-1 - ITEM C AND D
	Amount:	\$4,013.19
	Component Description:	Line C and D on INV TE10004487- 2; PO 20026; Change orders Q- 81612 & Q-82159
	Amount:	\$4,013.19

High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW	Component Description:	Transmitter and install/proof balance.
	Amount:	\$13,071.41
	Component Description:	WMOW-GATES- MAIN-TX- INV TE10004487-1 ITEM A,B, AND E -4-2 corrected request amount.
	Amount:	\$27,366.16
	Component Description: Amount:	Transmitter - GatesAir - US0332699 \$13,958.04
	Component Description:	Lines A, B, and E on Invoice TE10004487-2. PO 20026, CO Q- 81612; CO Q- 82159 \$26,875.70

Antennas

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna DRV-3-4-HO	\$224,480.00	\$222,280.00		\$28,192.70	
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 3 1/8. feedline (if needed)	\$9,340.00	\$8,880.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A

High VHF - High Power Side Mount Broadband Panel antenna One Station horizontally polarized	\$180,000.00	\$180,000.00	Entered Catalog of Costs dollar amount. The form stated \$0.00 in the Predetermined block for the replacement of the Primary antenna. Not sure why. We tried many options to alleviate the situation and only adding the Catalog cost to the EST column worked.	\$28,192.70	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
Sub-total	\$224,480.00	\$222,280.00	N/A	\$28,192.70	N/A
Total for all systems	\$1,364,380.37	\$1,333,106.88	N/A	\$416,540.43	N/A

Actual Information Description	File Name
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.

Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	Information not provided.	
Sweep test of existing antenna	Information not provided.	
High VHF - High Power Side Mount Broadband Panel antennaOne Station horizontally polarized	Component Description:	WMOW - Heartland - Antenna - INV 71695 PO 20905.
	Amount:	\$28,192.70
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	

Transmission Line

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justificatio
Primary Transmission Line	\$61,400.00	\$65,281.51		\$49,781.51	
Installation of new transmission line	\$39,300.00	\$39,300.00	Delivery, removal of old line and installation of new line per Precision Communications INV 0085, PO 21157	\$39,300.00	N/A
Disconnect existing Interior RF components	\$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.	N/A	N/A
Flexible Foam Transmission Line - dielectric, 1 5 /8"	\$6,600.00	\$10,481.51	Per Dielectric invoices 837003 and 843026. Total includes freight. 260 feet 1 5/8" flexible transmission line	\$10,481.51	N/A
Coax Switch	\$3,000.00	\$3,000.00	switch from main to interim transmitter.	N/A	N/A
Sub-total	\$61,400.00	\$65,281.51	N/A	\$49,781.51	N/A
Total for all systems	\$1,364,380.37	\$1,333,106.88	N/A	\$416,540.43	N/A

Actual Information Description	File Name	
Installation of new transmission line	Component Description:	Delivery, removal of old line and installation of new line - PCI - INV 0085 - PO 21157
	Amount:	\$39,300.00
Disconnect existing Interior RF components	Information not provided.	
Flexible Foam Transmission Line - dielectric, 1 5/8"	Component Description:	Flexible Transmission Line
		- Dielectric INV 837003
	Amount:	\$8,827.76
	Component Description:	Freight for tx line. Dielectric INV 843026
	Amount:	\$1,653.75
Coax Switch	Information not provided.	

Tower Equipment and Rigging Costs

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower LTOWER	\$254,800.00	\$248,150.00		\$86,150.00	
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	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
Short Tower (less than 500')	\$84,200.00	\$86,150.00	Per actual invoices from Tower vendor: PCI	\$86,150.00	N/A
Sub-total	\$254,800.00	\$248,150.00	N/A	\$86,150.00	N/A
Total for all systems	\$1,364,380.37	\$1,333,106.88	N/A	\$416,540.43	N/A

Actual Information Description	File Name
Minor tower reinforcement /modifications	Information not provided.
Structural engineering tower load study for well documented tower	Information not provided.

Short Tower (less than 500')		
	Component Description:	Tower rigging Inv 0005 - PCI - PO 21072
	Amount:	\$26,180.00
	Component Description:	PCI - weather day & antenna move - INV 0089
	Amount:	\$7,600.00
	Component Description:	3rd Tower invoice - PCI - INV 0084
	Amount:	\$26,190.00
	Component Description:	2nd invoice - tower rigging - PCI INV 0063
	Amount:	\$26,180.00

Outside Professional Services

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$241,144.02	\$229,432.02		\$80,520.01	
Antenna Test	\$1,050.00	\$1,050.00	Resonant Results INV RR3172; PO 19748. Actual costs to test antenna system for frequency and time domain response.	\$1,050.00	N/A
Vendor Travel Expenses	\$9,612.00	\$9,612.00	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project - see quote for estimated expenses. QC-17005	\$4,885.49	N/A
Site Project Management	\$9,480.00	\$9,480.00	Tower Site Project Management per ATC estimate /invoice # 379428	\$9,480.00	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
General Legal	\$17,440.02	\$17,440.02	General legal consulting for the station to repack	\$17,440.02	Sub Tota and estimated cost are the same
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	\$14,720.00	\$14,000.00	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
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	\$3,459.50	N/A

Prepare request for Special Temporary Authorization	\$8,200.00	\$6,000.00	N/A	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	\$1,650.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$2,100.00	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	\$62,252.00	\$59,100.00	N/A	\$40,455.00	N/A
Sub-total	\$241,144.02	\$229,432.02	N/A	\$80,520.01	N/A

Total for all	\$1,364,380.37	\$1,333,106.88	N/A	\$416,540.43	N/A
systems					

Actual Information Description	File Name	
Antenna Test	Component Description:	Antenna Test -
	Amount:	Resonant Results - RR3172 \$1,050.00
Vendor Travel Expenses		
	Component Description:	WMOW-QCOMM- PM-TRAVEL EXP- INV QC17-146
	Amount:	ITEMS 1010-1015 \$4,885.49
Site Project Management		
	Component Description:	ATC site project management. WMOW - ATC -
	Amount:	INV 379428 \$9,480.00
Quarterly reporting	Information not provided.	
General Legal		
	Component Description:	General legal June 2020 - Brooks INV 3984326
	Amount:	\$2,151.50
	Component Description:	WMOW - Brooks - Gen Legal Jan
	Amount:	2020 - INV 3977756 \$416.00
	Amount:	\$416.00

Component Description: Amount:	WMOW General Legal for period ending October, 2017. \$322.28 is WMOW portion of total invoice. \$322.29
Component Description: Amount:	WMOW- BOOKS- APRIL19- INV 3966162 \$156.00
Component Description:	WMOW - BROOKS FEB19 INV 3964371
Amount:	\$52.00
Component Description: Amount:	Gen Legal April 2020 - Brooks - INV 3981496 \$4,016.00
Component Description: Amount:	WMOW - Brooks - Gen Legal Feb 2020 - INV 3978897 \$312.00
Component Description:	WMOW BROOKS - JUNE18 - INV 3954665
Amount:	\$247.50
Component Description:	Brooks Repack Legal services period ending Oct
Amount:	2019; INV 3974481 \$156.00

Component Description: Amount:	WMOW General repack legal services for period ending April 30,2018. \$28.28 is WMOW portion of total invoice \$28.28
Component Description: Amount:	WMOW General Repack legal services for period ending Dec 31, 2017. \$40.29 is WMOW portion of total invoice. \$40.29
Component Description: Amount:	Brooks Repack Legal Services period ending Nov '17; INV 3946863 \$47.00
Component Description: Amount:	WMOW General legal for repack for period ending November 30,2017. \$221.57 is WMOW portion of total invoice. \$221.57
Component Description:	WMOW Gen Legal for period ending July 31, 2107. \$275 is WMOW portion of total invoice amount \$275.00

Component Description: Amount:	WMOW - BROOKS - JULY 18 INV 3955735 \$49.50
Component Description: Amount:	WMOW- BROOKS JAN18 INV 3962867 \$260.00
Component Description: Amount:	Brooks - Gen Legal May 2020, Inv 3982755 \$260.00
Component Description: Amount:	WMOW General Repack legal services for period ending January 31, 2018. \$35.35 is WMOW portion of total \$35.35
Component Description: Amount:	WMOW-BROOKS- MAY18-INV- 3953762 \$49.50
Component Description: Amount:	WMOW portion of invoice total. \$266.44
Component Description: Amount:	General Legal July 2020 - Brooks INV 3985553 \$2,604.00

Component Description: Amount:	WMOW- BROOKS - DEC18 INV 3961876 \$49.50
Component Description:	WMOW General repack legal services for period ending March 31, 2018. \$28.29 is WMOW portion of total invoice \$28.29
Component Description: Amount:	Brooks Repack Legal Services period ending Oct, 2017; INV 3945576 \$188.00
Component Description: Amount:	WMOW General Legal for period ending August 31, 2017. \$117.86 is WMOW portion of total invoice \$117.86
Component Description: Amount:	Brooks Repack Legal Services period ending June 2019; INV 3968513 \$156.00
Component Description: Amount:	WMOW - BROOKS AUG 18 -INV 3957122 \$198.00

Component Description: Amount:	Brooks Repack Legal Services period ending Dec 2017; 3947923 \$188.00
Component Description: Amount:	WMOW - BROOKS OCT18 INV 3959631 \$148.50
Component Description: Amount:	Brooks Repack Legal Services period ending July 31, 2019; INV 397020 \$260.00
Component Description: Amount:	WMOW General repack legal services for period ending February 28, 2018. \$28.29 is WMOW portion of total invoice \$28.29
Component Description: Amount:	WMOW-BROOKS- INV-3951199 - MAR18 \$49.50
Component Description: Amount:	General Legal for period ending March 31, 2020. Brooks INV 3980277 \$3,772.00
	period ending March 31, 2020. Brooks INV 3980277

	Component Description: Amount:	WMOW-BROOKS APRIL18 - INV 3952582 \$99.00
	Component Description: Amount:	WMOW General Repack legal services for period ending May 31, 2017. \$190.86 is WMOW portion of total invoice. \$190.86
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 - Negotiation of lease and other matters for shared locations	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	

and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	ATTY FEE-INV AUG17 WMOW \$235.00
	Component Description: Amount:	ATTY FEE - WMOW- JUNE17 \$359.00
	Component Description:	WMOW-BROOKS LEGAL-INV- 3949057 -JAN18
	Amount:	\$49.50
	Component Description:	ATTY FEE CP- JULY17 WMOW
	Amount:	\$1,658.00
	Component Description:	ATTY-INV APRIL17 WMOW
	Amount:	\$470.00
	Component Description:	ATTY FEE-WMOV MAY17
	Amount:	\$547.00
	Component Description:	ATTY INV- SEPT17 WMOW
	Amount:	\$141.00
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:ENGR- CPAPPLICATIWMOW INVAmount:\$1,650.00	
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	WMOW-NEW CHANNEL ENGF INV \$2,100.00
		• ,
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:	WMOW-PM-
		1THRU3-18 INV-
		QC18-053
	Amount:	\$3,900.00
	Component Description:	WMOW- QCOMI
		PM -JAN-JUNE
		INV QC19-0064
	Amount:	\$13,050.00
	Component Description:	WMOW- PM AU
		THRU DEC 18 -
		INV QC19-016
	Amount:	\$2,137.50
	Component Description:	WMOW-PM-
		8THRU12-17-IN
	Amount	QC18-021
	Amount:	\$5,332.50
	Component Description:	WMOW- QCOMI
		PM - 4THRU7-18
		INV QC18-067
	Amount:	\$2,872.50
	Component Description:	WMOW-QCOMN
		PM - INV QC17-
		146 ITEM 4004 -
		MARCH-AUGUS
		2017
	Amount:	\$13,162.50

Other Expenses

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificatio
Other Expenses	\$61,927.34	\$61,322.34		\$30,818.67	
Additional Insurance	\$118.67	\$118.67	Additional insurance to cover equipment in storage - Winters	\$118.67	N/A
MVPD Notification of Channel Change	\$5,000.00	\$5,000.00	Required FCC notification.	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.	\$8,590.00	N/A

Equipment Storage	\$10,618.67	\$10,618.67	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.	\$10,500.00	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.	\$7,200.00	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 - Special Temporary Authorization request	\$195.00	\$190.00	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	\$1,110.00	\$1,070.00	N/A	N/A	N/A
Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00			
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$4,410.00	N/A
Sub-total	\$61,927.34	\$61,322.34	N/A	\$30,818.67	N/A
Total for all systems	\$1,364,380.37	\$1,333,106.88	N/A	\$416,540.43	N/A

Actual Information Description	File Name	
Additional Insurance		
	Component Description:	Additional
		insurance to cover
		equipment in
		storage - Winters -
		INV 99459
	Amount:	\$118.67
MVPD Notification of Channel Change	Information not provided.	

Develop and air		
announcement of upcoming channel change	Component Description:	7-24-20 Zeroed
channel change		out request to
		submit under DTV
		Medical Facility
		Notification
		mailing - WMOW -
		RF Notifications -
		INV 1431
	Amount:	N/A
	Component Description:	Radio ads for
		Repack - Rippe
		Keane - INV 9951
	Amount:	\$5,640.00
	Component Description:	Radio ads for
	P	Repack - Rippe
		Keane INV 9929
	Amount:	\$2,950.00
		÷ ,

Equipment Storage		
	Component Description:	storage for
		equipment 1/3/20 through 4/2/20 -
		Casey's - INV 1041
	Amount:	\$1,800.00
	Component Description:	Storage of
		equipment -
		Casey's Garage - INV 1006
	Amount:	\$1,500.00
	Component Description:	rental period for 11
		/14/17 thru 2/22
		/18 for WMOW ONLY
	Amount:	\$1,800.00
	Component Description:	storage fee 10/3
		/19 thru 1/3/20.
		Casey - INV 1038
	Amount:	\$1,800.00
	Component Description:	Storage rental 7/4
		/20 - 10/3/20 - Casey's Garage -
		INV 1046
	Amount:	\$1,800.00
	Component Description:	Storage fees 4/3
		thru 7/3/2020.
	Amount:	Caseys - INV 1045 \$1,800.00
	,	+ 1,000.00

Equipment Delivery and Handling Charges		
	Component Description:	forklift fee for 1/9 /2020. Caseys -
		INV 1042
	Amount:	\$500.00
	Component Description:	Forklift fee for
		moving
		equipment.
		Caseys - INV 1039
	Amount:	\$500.00
		F actions and
	Component Description:	Equipment delivery & truck
		rental to move
		equipment -
		Casey's - INV 1006
	Amount:	\$5,200.00
	Component Description:	Forklift rental fee -
		Casey's garage -
		11.11.1.1.0.0.0
		INV 1038
	Amount:	INV 1038 \$500.00
		\$500.00
	Amount: Component Description:	\$500.00 Forklift rental -
		\$500.00
		\$500.00 Forklift rental - Casey's Garage -
Disposal Costs (for	Component Description:	\$500.00 Forklift rental - Casey's Garage - INV 1047
equipment and other waste,	Component Description: Amount:	\$500.00 Forklift rental - Casey's Garage - INV 1047
equipment and other waste, net of any salvage value) FCC Filing Fees - Special	Component Description: Amount:	\$500.00 Forklift rental - Casey's Garage - INV 1047
Disposal Costs (for equipment and other waste, net of any salvage value) FCC Filing Fees - Special Temporary Authorization request	Component Description: Amount: Information not provided.	\$500.00 Forklift rental - Casey's Garage - INV 1047
equipment and other waste, net of any salvage value) FCC Filing Fees - Special Temporary Authorization	Component Description: Amount: Information not provided.	\$500.00 Forklift rental - Casey's Garage - INV 1047

FCC Filing Fees - Form 2100 minor change CP application	Information not provided.	
DTV Medical Facility Notification	Component Description:	WMOW - RF NOtifications -
		Medical notification - IN\
	Amount:	1431 \$2,450.00
	Component Description:	2nd Medical
		notification - RF Notif INV 1469
	Amount:	\$1,960.00

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$1,364,380.37	\$1,333,106.88	\$416,540.43

Reimbursem	entestiatus	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.	
		 The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 	
		2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	
		3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.	

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

 The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested. 	
I declare, under penalty of perjury, that I am an authorized representative of the above- named applicant for the Authorization(s) specified above.	BRADY DREASLER CORPORATE DIRECTOR OF ENGINEERING

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		 The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 	
		2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.	
		3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

- 4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
- 5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster **Relocation Fund are** necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 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 CORPORATE DIRECTOR OF ENGINEERING

Attachments