

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 81503 Service: DTV Call WMOW Channel:

ID: Sign:

13 (High VHF) File **0000027497**

Number:

FRN: **0030884985** Date **05/17**

Submitted: /2021

Applicant Information

Applicant Name, Type, and Contact 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 Contact Information

Preparer Contact Name and 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 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 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

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	Platinum
	Year	1990
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	4 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	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 Transmitter

Other Transmitter Costs

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 Transmitter

Other Transmitter Cost Not Listed

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
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.
Remote Control System	Install ARC system

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 Transmitter

New Transmitter Costs

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 Transmitter

Other Transmitter Costs

Section	Question	Response
Section	Question	Response

		1
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 Transmitter

Other Transmitter Cost Not Listed

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 Related Expenses	Do you have antenna related expenses?	Yes

Existing 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 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

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?	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	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	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-HO

Year	2017
Justification for New Antenna	Channel reassignment requires new 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

Other Antenna Cost Not Listed

Information not provided.

Transmission ^{Seffien}	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	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 Transmission

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
	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.

Primary Transmi

Other Transmission Line Expenses Not Listed

issior	n Line	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 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	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	Do you have a tower registration number?	Yes
Registration	ASR Number	1051793
Coordinates (NAD83 (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 fee

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

Tower Modification Costs

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

Primary Tower

Tower Rigging Costs

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

Primary Tower

Other Tower Expenses Not Listed

Information not provided.

Outside Professional

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
		,

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

Outside Professional

Other Professional Services Expenses Not Listed

Services Costs	Description
General 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.
Quarterly reporting	Preparation and submittal of the FCC 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 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	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

Name	Description
Additional Insurance	Additional insurance expense to cover equipment in storage
FCC Fees	FCC fees
Internal Labor	Costs incurred for internal labor for Repack activities

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 VAXTE-1-R- 44	\$242,674.33	\$231,074.33		\$0.00	
Other Building Addition Size: 220.0	\$0.00	\$0.00	Line added to accommodate a negative amount for the superseded "OtherBuilding Addition Size: 220.0". \$6074.33 was reimbursed on INV TE10004487-1. Then the station no longer needed the enclosure, and PO/CO 20660 was created to back it out.	(\$6,074.33)	N/A
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
Conduit and Wiring (Cost per	\$5,200.00	\$5,000.00	N/A	\$0.00	

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 Fransmitter AXTE-2R44	\$277,954.68	\$275,566.68		\$141,077.54	
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

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
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-	\$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	\$1,366,663.68	\$1,376,885.19	N/A	\$466,515.14	N/A

Components

Actual Information	
Description	File Name

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)
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:	WMOW-GATES-
		MAIN-TEMP
		SHELTER-INV-
		TE10004487-1 Q-
		73722 ITEM F
	Amount:	\$6,074.33
Securirty - Site	Information not provided.	

Remote Control System		
	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.
	Amount:	\$7,094.42
	Component Description:	Allowed Remote
		control
		components - Burk - INV 00068909
	Amount:	\$4,561.42
	, and and	ψ 1,001.72
Site Survey - TX	Component Description:	WMOW-SURVEY-
	Component Description.	INV-QC18-026
	Amount:	\$5,000.00
		¥ - , - -
Freight		
	Component Description:	Actual Freight
		costs. GatesAir
	Amount	INV US0339913
	Amount:	\$2,843.25

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

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

Amount:

ITEM C AND D

\$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: Lines A, B, and E

on Invoice

TE10004487-2. PO 20026, CO Q-81612; CO Q-

82159

Amount: \$26,875.70

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: Transmitter -

GatesAir -US0332699

Amount: \$13,958.04

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
Primary Antenna DRV-3-4-HO	\$224,480.00	\$222,280.00		\$28,192.70	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A
Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	\$9,340.00	\$8,880.00	N/A	N/A	N/A

High VHF -	\$180,000.00	\$180,000.00	Entered	\$28,192.70	N/A
High -			Catalog of		
Power			Costs dollar		
Side Mount			amount. The		
Broadband			form stated		
Panel			\$0.00 in the		
antenna			Predetermined		
One			block for the		
Station			replacement		
horizontally			of the Primary		
polarized			antenna. Not		
			sure why. We		
			tried many		
			options to		
			alleviate the		
			situation and		
			only adding		
			the Catalog		
			cost to the		
			EST column		
			worked.		
Sub-total	\$224,480.00	\$222,280.00	N/A	\$28,192.70	N/A
Total for all systems	\$1,366,663.68	\$1,376,885.19	N/A	\$466,515.14	N/A

Actual Information Description	File Name
Sweep test of existing antenna	Information not provided.
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.
Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	Information not provided.

High VHF - High Power Side Mount Broadband Panel antenna --One Station horizontally polarized

Component Description: WMOW -

Heartland -Antenna - INV 71695 -- PO

20905.

Amount: \$28,192.70

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 Cos Justificatio
Primary Transmission Line	\$61,400.00	\$65,281.51		\$49,781.51	
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
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
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	\$1,366,663.68	\$1,376,885.19	N/A	\$466,515.14	N/A

Actual Information Description	File Name	
Flexible Foam Transmission Line - dielectric, 1 5/8"	Component Description: Amount:	Flexible Transmission Line - Dielectric INV 837003 \$8,827.76
	Component Description: Amount:	Freight for tx line. Dielectric INV 843026 \$1,653.75
Installation of new transmission line	Component Description:	Delivery, removal of old line and installation of new line - PCI - INV 0085 - PO 21157
Disconnect existing Interior RF components	Amount: Information not provided.	\$39,300.00
Coax Switch	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 LTOWER	\$254,800.00	\$248,150.00		\$86,150.00	
Short Tower (less than 500')	\$84,200.00	\$86,150.00	Per actual invoices from Tower vendor: PCI	\$86,150.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	N/A	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	N/A	N/A
Sub-total	\$254,800.00	\$248,150.00	N/A	\$86,150.00	N/A
Total for all systems	\$1,366,663.68	\$1,376,885.19	N/A	\$466,515.14	N/A

Actual Information		
Description	File Name	

	Commonant Decements	and invoice
	Component Description:	2nd invoice -
		tower rigging - PCI INV 0063
	A	
	Amount:	\$26,180.00
	Component Description:	3rd Tower invoice
		- PCI - INV 0084
	Amount:	\$26,190.00
	Component Description:	PCI - weather
		day & antenna
		move - INV 0089
	Amount:	\$7,600.00
	Component Description:	Tower rigging Inv
		0005 - PCI - PO
		21072
	Amount:	\$26,180.00
Structural engineering tower load study for well documented tower	Information not provided.	
Minor tower reinforcement /modifications	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
Outside Professional Services	\$241,144.02	\$270,927.02		\$128,211.41	
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
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	\$100,595.00	Per actual costs	\$88,146.40	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Sub-total	\$241,144.02	\$270,927.02	N/A	\$128,211.41	N/A

Total for all	\$1,366,663.68	\$1,376,885.19	N/A	\$466,515.14	N/A
systems					

Actual Information		
Description	File Name	
Antenna Test		
	Component Description:	Antenna Test - Resonant Results - RR3172
	Amount:	\$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 - INV 379428
	Amount:	\$9,480.00
Quarterly reporting	Information not provided.	
General Legal		
	Component Description:	General Legal for period ending March 31, 2020. Brooks INV 3980277
	Amount:	\$3,772.00
	Component Description:	General legal June 2020 - Brooks INV 3984326
	Amount:	\$2,151.50

Component Description: WMOW - Brooks -

Gen Legal Jan

2020 - INV 3977756

Amount: \$416.00

Component Description: WMOW General

Legal for period ending October, 2017. \$322.28 is WMOW portion of

total invoice.

Amount: \$322.29

Component Description: WMOW- BOOKS-

APRIL19- INV

3966162

Amount: \$156.00

Component Description: WMOW - BROOKS

FEB19 INV

3964371

Amount: \$52.00

Component Description: WMOW - BROOKS

AUG 18 -INV

3957122

Amount: \$198.00

Component Description: Gen Legal April

2020 - Brooks -INV 3981496

Amount: \$4,016.00

Component Description: WMOW-BROOKS-

APRIL18 - INV

3952582

Amount: \$99.00

Component Description: Brooks Repack

Legal services period ending Oct 2019; INV 3974481

Amount: \$156.00

Component Description: WMOW General

repack legal

services for period

ending April

30,2018. \$28.28 is WMOW portion of

total invoice

Amount: \$28.28

Component Description: WMOW General

Repack legal services for period ending Dec 31, 2017. \$40.29 is WMOW portion of total invoice.

Amount: \$40.29

Component Description: WMOW General

Repack legal

services for period ending May 31, 2017. \$190.86 is WMOW portion of total invoice.

Amount: \$190.86

Component Description: Brooks Repack

Legal Services period ending Nov '17; INV 3946863

Amount: \$47.00

Component Description: WMOW General

legal for repack for period ending November

30,2017. \$221.57 is WMOW portion of total invoice.

Amount: \$221.57

Component Description: WMOW- BROOKS

- DEC18 INV

3961876

Amount: \$49.50

Component Description: Brooks Repack

Legal Services period ending July 31, 2019; INV

397020

Amount: \$260.00

Component Description: WMOW-BROOKS-

INV-3951199 -

MAR18

Amount: \$49.50

Component Description: WMOW - BROOKS

OCT18 INV

3959631

Amount: \$148.50

Component Description: WMOW General

Legal for period ending August 31, 2017. \$117.86 is WMOW portion of

total invoice

Amount: \$117.86

Component Description: Brooks Repack

Legal Services period ending Oct, 2017; INV 3945576

Amount: \$188.00

Component Description: Brooks Repack

Legal Services period ending June 2019; INV 3968513

Amount: \$156.00

Component Description: WMOW - Brooks -

Gen Legal Feb 2020 - INV 3978897

Amount: \$312.00

Component Description: General Legal July

2020 - Brooks INV

3985553

Amount: \$2,604.00

Component Description: WMOW Gen Legal

for period ending July 31, 2107. \$275 is WMOW portion of total invoice amount

Amount: \$275.00

Component Description: WMOW - BROOKS

- JULY 18 INV

3955735

Amount: \$49.50

Component Description: WMOW General

repack legal

services for period ending February 28, 2018. \$28.29 is WMOW portion of

total invoice

Amount: \$28.29

Component Description: WMOW BROOKS -

JUNE18 - INV

3954665

Amount: \$247.50

Component Description: WMOW portion of

invoice total.

Amount: \$266.44

Component Description: Brooks - Gen Legal

May 2020, Inv

3982755

Amount: \$260.00

Component Description: WMOW-BROOKS-

MAY18-INV-

3953762

Amount: \$49.50

Component Description: Brooks Repack

Legal Services period ending Dec

2017; 3947923

Amount: \$188.00

Component Description:	WMOW General
Component Description:	www.General

Repack legal services for period ending January 31, 2018. \$35.35 is WMOW portion of

total

Amount: \$35.35

Component Description: WMOW- BROOKS

JAN18 INV

3962867

Amount: \$260.00

Component Description: WMOW General

repack legal

services for period ending March 31, 2018. \$28.29 is WMOW portion of

total invoice

Amount: \$28.29

Attorney Fees - Prepare Information not provided. and File request for Special

Attorney Fees - Negotiation of lease and other matters for shared locations

Temporary Authorization

Information not provided.

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application Information not provided.

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	ATTY-INV APRIL17 WMOW \$470.00
	Component Description: Amount:	ATTY FEE CP- JULY17 WMOW \$1,658.00
	Component Description: Amount:	ATTY FEE-INV AUG17 WMOW \$235.00
	Component Description: Amount:	ATTY FEE - WMOW- JUNE17 \$359.00
	Component Description: Amount:	ATTY INV- SEPT17 WMOW \$141.00
	Component Description: Amount:	WMOW-BROOKS- LEGAL-INV- 3949057 -JAN18 \$49.50
	Component Description: Amount:	ATTY FEE-WMOW MAY17 \$547.00
Prepare request for Special Temporary Authorization	Information not provided.	
Prepare engineering section of FCC Form 2100	Information not provided.	

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	ENGR- CP APPLICATION- WMOW INV \$1,650.00
	Amount.	\$1,030.00
Perform engineering study for new channel assignment and antenna development	Component Description:	WMOW-NEW CHANNEL ENGR INV
	Amount:	\$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:	July 2019 PM
	Amount:	Hours - QComm - QC19-184-7 \$1,275.00
	Component Description:	Sept 2019 PM - QC19-184-9
	Amount:	\$2,100.00
	Component Description: Amount:	Jan - March 2020 PM - QC20-689 \$12,750.00
	, anounc	ψ12,100.00
	Component Description:	Jan 2021 PM Hours - QC21-735
	Amount:	\$823.90
	Component Description:	Nov 2019 PM - QC19-184-11
	Amount:	\$2,100.00

Component Description: Oct - Dec 2020 PM

- QC20-692

Amount: \$4,950.00

Component Description: Dec 2019 PM -

QC19-184-12

Amount: \$1,537.50

Component Description: July - Sept 2020

PM - QC20-691

Amount: \$7,200.00

Component Description: Oct 2019 PM -

QC19-184-10

Amount: \$3,000.00

Component Description: Feb 2021 PM

Hours - QC21-789

Amount: \$1,005.00

Component Description: April - June 2020

PM - QC20-690

Amount: \$10,650.00

Component Description: Aug 2019 PM

Hours - QComm -

QC19-184-8

Amount: \$300.00

Component Description: WMOW-QCOMM-

PM - INV QC17-146 ITEM 4004 -MARCH-AUGUST

2017

Amount: \$13,162.50

Component Description: WMOW- QCOMM-

PM -JAN-JUNE 19 -

INV QC19-0064

Amount: \$13,050.00

Component Description: WMOW-PM-

8THRU12-17-INV

QC18-021

Amount: \$5,332.50

Component Description: WMOW-PM-

1THRU3-18 INV-

QC18-053

Amount: \$3,900.00

Component Description: WMOW- PM AUG

THRU DEC 18 -

INV QC19-016

Amount: \$2,137.50

Component Description: WMOW- QCOMM

PM - 4THRU7-18 INV QC18-067

Amount: \$2,872.50

Comprehensive coverage verification via field study, if needed

sive coverage Information not provided.

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 Cos Justificatio
Other Expenses	\$64,210.65	\$63,605.65		\$31,353.67	
Internal Labor	\$1,748.31	\$1,748.31	Internal labor costs	N/A	N/A
FCC Fees	\$535.00	\$535.00	Actual costs	\$535.00	N/A
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
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 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	\$4,410.00	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	\$8,590.00	N/A

Equipment Storage	\$10,618.67	\$10,618.67	Expecting multiple	\$10,500.00	N/A
			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.		
Sub-total	\$64,210.65	\$63,605.65	N/A	\$31,353.67	N/A
Total for all systems	\$1,366,663.68	\$1,376,885.19	N/A	\$466,515.14	N/A

Actual Information Description	File Name	
Internal Labor		
	Component Description:	Internal labor -
		Russ Crass 2019
	Amount:	\$1,748.31
FCC Fees		
	Component Description:	STA application fee
		- LMS0000111921
	Amount:	\$200.00
	Component Description:	License to cover
		app fee -
		LMS0000118773
	Amount:	\$335.00

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.	
Equipment Delivery and Handling Charges	Component Description:	forklift fee for 1/9 /2020. Caseys -
	Amount:	INV 1042 \$500.00
	Component Description:	Forklift fee for moving equipment. Caseys - INV 1039
	Amount:	\$500.00
	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 - INV 1038
	Amount:	\$500.00
	Component Description:	Forklift rental - Casey's Garage - INV 1047
	Amount:	\$500.00
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	

FCC Filing Fees - Special Temporary Authorization request	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:	WMOW - RF NOtifications - Medical notification - INV 1431
	Amount:	\$2,450.00
	Component Description:	2nd Medical notification - RF Notif INV 1469
	Amount:	\$1,960.00
Develop and air announcement of upcoming channel change	Component Description:	Radio ads for Repack - Rippe
	Amount:	Keane INV 9929 \$2,950.00
	Component Description:	Radio ads for Repack - Rippe Keane - INV 9951
	Amount:	\$5,640.00
	Component Description:	7-24-20 Zeroed out request to submit under DTV Medical Facility Notification mailing - WMOW - RF Notifications - INV 1431
	Amount:	N/A

Equipment Storage		
	Component Description:	storage for equipment 1/3/20 through 4/2/20 -
	Amount:	Casey's - INV 1041 \$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

Amount:

thru 7/3/2020. Caseys - INV 1045

\$1,800.00

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$1,366,663.68	\$1,376,885.19	\$466,515.14

Reimbursem	enrestiatus	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

Section Question Response

Submission of Estimated Expenses Statements

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.

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

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

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

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. BRADY
DREASLER
CORPORATE
DIRECTOR
OF
ENGINEERING

05/17/2021

Section Question Response

Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).

- 1. The Authorized
 Person signing
 below certifies and
 represents that he
 /she is authorized to
 submit this TV
 Broadcaster
 Relocation Fund
 Reimbursement
 Form on behalf of
 the above-named
 entity.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.

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

- 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. BRADY
DREASLER
CORPORATE
DIRECTOR
OF
ENGINEERING

05/17/2021

Attachments