



(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 **02/03**  
Submitted: **/2020**

## Applicant Information Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>WAOW-WYOW LICENSE, LLC</b> Doing Business As: WAOW-WYOW LICENSE, LLC	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
<b>Tony zumMallen</b> <i>QCommunications</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 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
<b>Transmitter Related Expenses</b>	Do you have transmitter related expenses?	Yes

**Primary  
Transmitter**

**Existing Transmitter Information**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	Platinum
	Year	1990
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	4 kW

**Primary  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	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
<b>Electrical Service</b>	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
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	25 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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
<b>Site Survey - TX</b>	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.
<b>Disconnect existing Transmitter</b>	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.
<b>Security - Site</b>	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.
<b>Transmitter- Training</b>	Transmitter training - offsite - 1 week in duration at mfg site.
<b>Sales Tax</b>	Sales tax collected by vendors as part of the repack

**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
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<b>Electrical Service</b>	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
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	Yes
	Size	220.0 square feet
<b>Channel 14 Costs</b>	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
<b>Inside RF System</b>	Is an additional interior RF system required to support this interim transmitter?	Yes

**Interim Transmitter**

**Other Transmitter Cost Not Listed**

Information not provided.

**Antennas**

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



**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	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
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	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	

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Model	DRV-3-4- HO
Year	2011

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**Primary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	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
<b>New Antenna Manufacturer and Types</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	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.

**Primary Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	3 1/8 inches inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary  
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
<b>Existing Transmission Line Description</b>	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
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	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  
Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	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  
Transmission  
Line**

**Other Transmission Line Expenses Not Listed**

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



**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 Registration	Do you have a tower registration number?	Yes
	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 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

#### Tower Modification Costs

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

### Primary Tower

#### Tower Rigging Costs

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

### Primary Tower

#### Other Tower Expenses Not Listed

Information not provided.

**Outside Professional Services Costs**

Section	Question	Response
<p><b>Outside Project Management Services</b></p>	<p>Do you require outside project management services?</p>	<p>Yes</p>
	<p>Number of Hours</p>	<p>394</p>
	<p>Explanation</p>	<p>Scope &amp; 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.</p>
<p><b>Outside RF consulting Engineering Services</b></p>	<p>Perform engineering study for new channel assignment and antenna development</p>	<p>Yes</p>
	<p>Prepare engineering section of Form FCC Construction Permit Application</p>	<p>Yes</p>
	<p>For Auxiliary Facility</p>	<p>No</p>
	<p>For Main Facility</p>	<p>Yes</p>
	<p>Prepare engineering section of Form FCC License to Cover Application</p>	<p>Yes</p>
	<p>For Auxiliary Facility</p>	<p>No</p>
	<p>For Main Facility</p>	<p>Yes</p>

	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
<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	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	
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	Yes

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

**Outside  
Professional  
Services  
Costs**

**Other Professional Services Expenses Not Listed**

Name	Description
<b>Quarterly reporting</b>	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.
<b>Vendor Travel Expenses</b>	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project - see quote for estimated expenses.
<b>General Legal</b>	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.

**Other Expenses**

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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
<b>Permit and Filing Costs</b>	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
<b>Other Miscellaneous Expenses</b>	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

**Other  
Expenses**

**Other Expenses Not Listed**

Information not provided.

**Cost Information**

**Transmitters**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Interim Transmitter VAXTE-1-R-44</b>	<b>\$271,600.00</b>	<b>\$260,000.00</b>		<b>\$6,074.33</b>	
VHF inside RF system including switching	\$78,900.00	\$75,000.00	N/A	\$0.00	N/A
Other -- Building Addition Size: 220.0	<i>\$35,000.00</i>	\$35,000.00	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
2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	N/A	N/A



High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW	\$152,500.00	\$145,000.00	N/A	N/A	N/A
<b>Primary Transmitter VAXTE-2R44</b>	<b>\$347,979.86</b>	<b>\$333,979.86</b>		<b>\$69,328.19</b>	
Sales Tax	<i>\$6,179.86</i>	\$6,179.86	est sales tax per Gates INV TE10004487- 1	\$2,059.95	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
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
Disconnect existing Transmitter	<i>\$20,000.00</i>	\$20,000.00	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	N/A	N/A

Site Survey - TX	<b><i>\$15,000.00</i></b>	\$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
25 Ton system	\$91,500.00	\$87,000.00	N/A	N/A	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	N/A	N/A
High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW	\$152,500.00	\$145,000.00	N/A	\$54,241.86	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	\$8,026.38	N/A
<b>Sub-total</b>	\$619,579.86	\$593,979.86	N/A	\$75,402.52	N/A
<b>Total for all systems</b>	\$1,402,323.86	\$1,349,131.86	N/A	\$131,861.02	N/A

## Components

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

<p>Other -- Building Addition Size: 220.0</p>	<p><b>Component Description:</b> WMOW-GATES-MAIN-TEMP SHELTER-INV-TE10004487-1 Q-73722 ITEM F</p> <p><b>Amount:</b> \$6,074.33</p>
<p>2" Rigid Conduit and Wiring (Cost per foot)</p>	<p>Information not provided.</p>
<p>High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW</p>	<p>Information not provided.</p>
<p>Sales Tax</p>	<p><b>Component Description:</b> WMOW-GATES-SALES TAX -INV-TE10004487-1</p> <p><b>Amount:</b> \$2,059.95</p>
<p>Transmitter- Training</p>	<p>Information not provided.</p>
<p>Security - Site</p>	<p>Information not provided.</p>
<p>Disconnect existing Transmitter</p>	<p>Information not provided.</p>
<p>Site Survey - TX</p>	<p><b>Component Description:</b> WMOW-SURVEY-INV-QC18-026</p> <p><b>Amount:</b> \$5,000.00</p>
<p>25 Ton system</p>	<p>Information not provided.</p>
<p>2" Rigid Conduit and Wiring (Cost per foot)</p>	<p>Information not provided.</p>

<p>High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW</p>	<p><b>Component Description:</b> Lines A, B, and E on Invoice TE10004487-2. PO 20026, CO Q-81612; CO Q-82159</p> <p><b>Amount:</b> \$26,875.70</p>
<p>Transformer 3 phase/480v - 300 KVA</p>	<p><b>Component Description:</b> WMOW-GATES-MAIN-TX- INV TE10004487-1 ITEM A,B, AND E -4-2 corrected request amount.</p> <p><b>Amount:</b> \$27,366.16</p>
<p>Transformer 3 phase/480v - 300 KVA</p>	<p><b>Component Description:</b> Line C and D on INV TE10004487-2; PO 20026; Change orders Q-81612 &amp; Q-82159</p> <p><b>Amount:</b> \$4,013.19</p> <p><b>Component Description:</b> WMOW-GATES-MAIN- INV TE10004487-1 - ITEM C AND D</p> <p><b>Amount:</b> \$4,013.19</p>

**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
<b>Primary Antenna DRV-3-4-HO</b>	<b>\$224,480.00</b>	<b>\$222,280.00</b>		<b>\$0.00</b>	
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
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	<i>\$180,000.00</i>	\$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.	N/A	N/A
<b>Sub-total</b>	\$224,480.00	\$222,280.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$1,402,323.86	\$1,349,131.86	N/A	\$131,861.02	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
<b>Primary Transmission Line</b>	<b>\$22,100.00</b>	<b>\$21,825.00</b>		<b>\$0.00</b>	
Flexible Foam Transmission Line - dielectric, 1 5 /8"	\$6,600.00	\$6,325.00	N/A	N/A	N/A
Coax Switch	<i>\$3,000.00</i>	\$3,000.00	switch from main to interim transmitter.	N/A	N/A
Disconnect existing Interior RF components	<i>\$12,500.00</i>	\$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
<b>Sub-total</b>	<b>\$22,100.00</b>	<b>\$21,825.00</b>	<b>N/A</b>	<b>\$0.00</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$1,402,323.86</b>	<b>\$1,349,131.86</b>	<b>N/A</b>	<b>\$131,861.02</b>	<b>N/A</b>

**Components**

Information not provided.

**Cost Information**

**Tower Equipment and Rigging Costs**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Primary Tower LTOWER</b>	<b>\$254,800.00</b>	<b>\$242,000.00</b>		<b>\$0.00</b>	
Short Tower (less than 500')	\$84,200.00	\$80,000.00	N/A	N/A	N/A
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
<b>Sub-total</b>	<b>\$254,800.00</b>	<b>\$242,000.00</b>	<b>N/A</b>	<b>\$0.00</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$1,402,323.86</b>	<b>\$1,349,131.86</b>	<b>N/A</b>	<b>\$131,861.02</b>	<b>N/A</b>

**Components**

Information not provided.



**Cost Information**

**Outside Professional Services**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Outside Professional Services</b>	<b>\$220,174.00</b>	<b>\$208,462.00</b>		<b>\$56,458.50</b>	
General Legal	<i>\$7,000.00</i>	\$7,000.00	General legal consulting for the station to repack	\$3,908.51	N/A
Vendor Travel Expenses	<i>\$9,612.00</i>	\$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
Quarterly reporting	<i>\$5,000.00</i>	\$5,000.00	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A

Attorney Fees - Prepare and File request for Special Temporary Authorization	\$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
Project management of the transition	\$62,252.00	\$59,100.00	N/A	\$40,455.00	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	\$2,100.00	N/A
<b>Sub-total</b>	\$220,174.00	\$208,462.00	N/A	\$56,458.50	N/A
<b>Total for all systems</b>	\$1,402,323.86	\$1,349,131.86	N/A	\$131,861.02	N/A

## Components

Actual Information	
Description	File Name
General Legal	

**Component Description:** WMOW General Repack legal services for period ending January 31, 2018. \$35.35 is WMOW portion of total

**Amount:** \$35.35

**Component Description:** WMOW General repack legal services for period ending March 31, 2018. \$28.29 is WMOW portion of total invoice

**Amount:** \$28.29

**Component Description:** WMOW portion of invoice total.

**Amount:** \$266.44

**Component Description:** Brooks Repack Legal Services period ending Dec 2017; 3947923

**Amount:** \$188.00

**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 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 General Legal for period ending October, 2017. \$322.28 is WMOW portion of total invoice.

**Amount:** \$322.28

**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:** Brooks Repack  
Legal services  
period ending Oct  
2019; INV 3974481  
**Amount:** \$156.00

**Component Description:** Brooks Repack  
Legal Services  
period ending July  
31, 2019; INV  
397020  
**Amount:** \$260.00

**Component Description:** WMOW-BROOKS-  
APRIL18 - INV  
3952582  
**Amount:** \$99.00

**Component Description:** WMOW - BROOKS  
- JULY 18 INV  
3955735  
**Amount:** \$49.50

**Component Description:** WMOW-BROOKS-  
MAY18-INV-  
3953762  
**Amount:** \$49.50

**Component Description:** WMOW-BROOKS-  
INV-3951199 -  
MAR18  
**Amount:** \$49.50

**Component Description:** WMOW- BROOKS  
- DEC18 INV  
3961876  
**Amount:** \$49.50

**Component Description:** WMOW BROOKS -  
JUNE18 - INV  
3954665  
**Amount:** \$247.50

**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 - BROOKS  
OCT18 INV  
3959631  
**Amount:** \$148.50

**Component Description:** WMOW - BROOKS  
FEB19 INV  
3964371  
**Amount:** \$52.00

**Component Description:** WMOW General  
Legal for period  
ending August 31,  
2017. \$117.86 is  
WMOW portion of  
total invoice  
**Amount:** \$117.86

	<p><b>Component Description:</b> WMOW - BROOKS AUG 18 -INV 3957122</p> <p><b>Amount:</b> \$198.00</p>
	<p><b>Component Description:</b> WMOW Gen Legal for period ending July 31, 2107. \$275 is WMOW portion of total invoice amount</p> <p><b>Amount:</b> \$275.00</p>
	<p><b>Component Description:</b> WMOW- BOOKS- APRIL19- INV 3966162</p> <p><b>Amount:</b> \$156.00</p>
	<p><b>Component Description:</b> WMOW General repack legal services for period ending April 30,2018. \$28.28 is WMOW portion of total invoice</p> <p><b>Amount:</b> \$28.28</p>
	<p><b>Component Description:</b> WMOW- BROOKS JAN18 INV 3962867</p> <p><b>Amount:</b> \$260.00</p>
Vendor Travel Expenses	<p><b>Component Description:</b> WMOW-QCOMM- PM-TRAVEL EXP- INV QC17-146 ITEMS 1010-1015</p> <p><b>Amount:</b> \$4,885.49</p>
Quarterly reporting	Information not provided.



Comprehensive coverage verification via field study, if needed	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees - 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.

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

<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<p><b>Component Description:</b></p>	<p>ENGR- CP APPLICATION- WMOW INV</p>
	<p><b>Amount:</b></p>	<p>\$1,650.00</p>
<p>Project management of the transition</p>	<p><b>Component Description:</b></p>	<p>WMOW-PM- 8THRU12-17-INV QC18-021</p>
	<p><b>Amount:</b></p>	<p>\$5,332.50</p>
	<p><b>Component Description:</b></p>	<p>WMOW-PM- 1THRU3-18 INV- QC18-053</p>
	<p><b>Amount:</b></p>	<p>\$3,900.00</p>
	<p><b>Component Description:</b></p>	<p>WMOW-QCOMM- PM - INV QC17- 146 ITEM 4004 - MARCH-AUGUST 2017</p>
	<p><b>Amount:</b></p>	<p>\$13,162.50</p>
	<p><b>Component Description:</b></p>	<p>WMOW- QCOMM- PM -JAN-JUNE 19 - INV QC19-0064</p>
	<p><b>Amount:</b></p>	<p>\$13,050.00</p>
	<p><b>Component Description:</b></p>	<p>WMOW- QCOMM PM - 4THRU7-18 INV QC18-067</p>
	<p><b>Amount:</b></p>	<p>\$2,872.50</p>
	<p><b>Component Description:</b></p>	<p>WMOW- PM AUG THRU DEC 18 - INV QC19-016</p>
	<p><b>Amount:</b></p>	<p>\$2,137.50</p>

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	<table> <tr> <td data-bbox="708 443 1018 479"><b>Component Description:</b></td> <td data-bbox="1145 443 1362 555">WMOW-NEW CHANNEL ENGR INV</td> </tr> <tr> <td data-bbox="708 564 820 600"><b>Amount:</b></td> <td data-bbox="1145 564 1273 600">\$2,100.00</td> </tr> </table>	<b>Component Description:</b>	WMOW-NEW CHANNEL ENGR INV	<b>Amount:</b>	\$2,100.00
<b>Component Description:</b>	WMOW-NEW CHANNEL ENGR INV				
<b>Amount:</b>	\$2,100.00				

**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
<b>Other Expenses</b>	<b>\$61,190.00</b>	<b>\$60,585.00</b>		<b>\$0.00</b>	
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 we 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.	N/A	N/A

Equipment Delivery and Handling Charges	<i>\$8,000.00</i>	\$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)	<i>\$10,000.00</i>	\$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	N/A	N/A
<b>Sub-total</b>	\$61,190.00	\$60,585.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$1,402,323.86	\$1,349,131.86	N/A	\$131,861.02	N/A

## Components

Information not provided.

**Cost Information** **Grand Total**

	<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>	<b>Actual Cost</b>
<b>Total for all systems</b>	\$1,402,323.86	\$1,349,131.86	\$131,861.02

**Reimbursement Status**

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

Certification	Section	Question	Response
	<b>Submission of Estimated Expenses Statements</b>	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> </ol>	



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

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

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

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

02/03/2020

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

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*

02/03/2020

## Attachments