

(REFERENCE COPY - Not for submission)

#### FCC Form 399: Reimbursement Request

73263 Service: DTV Call Channel: 25 (UHF) Facility Sign:

File 0000027901

Number:

ID:

FRN: 0006595441 Date 08/24

> Submitted: /2020

#### **Applicant** Information

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

Applicant	Address	Phone	Email	Applicant Type
WMHT EDUCATIONAL TELECOMMUNICATIONS Doing Business As: WMHT	ROBERT ALTMAN 4 GLOBAL VIEW TROY, NY 12180 United States	+1 (518) 880-3400	raltman@wmht. org	Not-for- Profit

### 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
Keith Martin Director of Technology WMHT Educational Telecommunications	Keith Martin 4 Global View Troy, NY 12180 United States	+1 (518) 880- 3472	kmartin@wmht. org

#### 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.	Yes
Briefly describe transition plan	Replace IOT Transmitter and associated equipment. AUX antenna and transmission line, add combiner for WTEN. Replace main transmission line to combiner, combiner and shared transmission line to antenna.  Add AC and electric to transmitter room.

#### **Transmitters**

rs	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	
Manufacturer and Type	Model	Paragon
	Year	2005
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 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?	Yes
	Manufacturer	
	Model	THU9evo
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	31 kW
	Justification for New Transmitter	Cost of retuning and replacing exciters exceeds cost of new transmitter.

#### Primary Transmitter

#### **Other Transmitter Costs**

Question	Response
Service Entrance (3 phases 800A 208V)	No
Switchgear (industrial 800 amp)	No
Transformer (480V)	No
Power	N/A
Rigid Conduit and Wiring	No
Size	N/A
Length	N/A
Other Electrical Service	Yes
	Switchgear (industrial 800 amp)  Transformer (480V)  Power  Rigid Conduit and Wiring  Size  Length

	Description	Unsure of new electrical requirements
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Heating and Cooling
	Size	30 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
MASK Filter	Channel Change requires new mask filter (prior cut for Channel 34)

#### Interim Transmitter

#### **New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	THUevo
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	15.5 kW
	Justification for New Transmitter	need to have a transmitter to use while the existing transmitter room and transmission system /combiner is rebuilt for the new channel due to room constraints

#### Interim Transmitter

#### **Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	No

	Size	N/A
	Length	N/A
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Heating and Cooling
	Size	20 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
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	Yes

Otile

**Other Transmitter Cost Not Listed** 

Interim

**Transmitter** 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
Existing Antenna Description	Type of change	Retune Existing
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	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	Top Mount
	Antenna position in stack	Bottom
	Polarization	Horizontal
	Туре	Broadband Panel
	Number of Stations Supported	4
	Number of Panels	60
	Design power capacity in use	100.0 %
	Lower Limit	470.00 MH

Upper Limit	698.00 MHz
Other Antenna Type	N/A
ERP: (Effective Radiated Power)	105.0 kW
Manufacturer	Dielectric
Model	TUD-05-12 /60H-1-B
Year	2005

# Facility ID's and Call Signs of all stations with whom the antenna is shared.

Facility ID	Call Sign
11970	WXXA-TV
73264	WCWN
73942	WRGB
74422	WTEN

#### Primary Antenna

#### **Adjustment to Existing Antenna**

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

#### Primary Antenna

#### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	New
	Number of channels supported	3
	Frequencies of channels supported	RF channel
	Frequency	N/A

# Enter a list of RF channel numbers.

RF Channel Number	
24	
22	
25	

#### Primary Antenna

#### **Other Antenna Cost Not Listed**

Information not provided.

#### **Add Antenna Information**

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	WMHT Aux Antenna
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this antenna currently shared with any other stations?	No
	Is this 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	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	19.0 kW

Manufacturer	
Model	DCA
Year	2005

#### **New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Auxiliary (Backup)
	Description of Use	Aux antenna
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	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	2
	Number of Panels/Bays	24
	Lower Limit	512.00 MHz
	Upper Limit	600.00 MHz
	Design power capacity in use	50.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	20.0 kW
	Manufacturer	
		,

Model	TU Deltastar
Year	2017
Justification for New Antenna	WMHT aux is for channel 34 only, WTEN does not have an aux antenna or back up facility needed for repack transition

#### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	New
	Number of channels supported	2
	Frequencies of channels supported	Upper and lower frequency
	Frequency	530.0 MHz - 542.0 MHz
	Do you need a combiner output splitter /switcher for dual feed lines?	Yes
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	6 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 <sup>Seffien</sup>	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

#### **Add Transmission Line**

# Auxiliary Transmission

n Lipe Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Aux transmission line
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmission currently shared with any other stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and	Manufacturer	
Type	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	0
	Length	347 feet per run

#### **New Transmission Line**

Auxiliary
<b>Transmissi</b>

Section	Question	Response
New Transmission Line Costs	Use	Auxiliary (Backup)
	Description of Use	new channel tx line
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	0
	Length	550 feet per run
	Justification for New Transmission Line	existing tx line for channel 34 only. WTEN does not have an aux or back up needed for repack /transition

Auxiliary Other Transmission Line Expenses Not Listed Transmission Line tion not provided.

#### **Existing Transmission Line**

# Primary Transmission

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?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission	Manufacturer	
Line Manufacturer and Type	Туре	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	0
	Length	600 feet

# Facility ID's and Call Signs of all stations with whom the transmission line is shared.

Facility ID	Call Sign
73942	WRGB
74422	WTEN

11970	WXXA-TV
73264	WCWN

#### Primary Transmissi

#### **New Transmission Line**

ion 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	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	0
	Length	600 feet per
	Justification for New Transmission Line	Existing transmission line does not support all the new channels assigned by the repack

**Primary** Other Transmission Line Expenses Not Listed

Transmission loine tion not provided.

# Tower Equipment And Rigging Costs

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

#### Primary Tower

#### **Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	Unknown
	Is tower compliant with Rev G?	Unknown
Existing Tower	Do you have a tower registration number?	No
Structure Registration	ASR Number	
Coordinates (NAD83 ( North American Datum	Latitude (NAD83)	42° 37' 31.3" N-
of 1983))	Longitude (NAD83)	074° 00' 36.7" W-
	Overall Structure Height	499.01 feet
	Support Structure Height	495.07 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1780.82 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Capital Region Broadcasters, LLC
Date Constructed	05/31/2002

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

Facility ID	Call Sign	Service
73266	WMHT-FM	FM
73942	WRGB	DTV
74422	WTEN	DTV
73363	WNYT	DTV
73264	WCWN	DTV
11970	WXXA-TV	DTV

#### 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	500
	Explanation	We are a PBS station with only one engineer and may need assistance throughout the repack process. After reviewing the time spent last year, we need to increase the amount for project management (not using an outside engineer)
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	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	No

	Quantity	N/A
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	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	Yes
	Additional Field Engineering Service	No
		'

Number of Days	N/A
Justification	N/A

#### Outside Professional

#### Other Professional Services Expenses Not Listed

I Şervices Costs	Description
In house project management and time	Unable to hire a consultant for the repack so we are doing the project management and work in house
Travel to Transmitter School	Rohde and Schwartz provides training to engineers upon purchase of a transmitter- This line item is for the travel, tolls and meals to the school

# 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?	No
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
Facility Heat	The facility has been heated by the WMHT and WTEN tube transmitters excess heat. Now that they are being replaced by solid state transmitters, there will no longer be any heat in the building without adding a new heat system.
Finance and Accounting Expense	Salary expense for the Finance/Accounting team to enter the materials for the 399 effort and to track the reimbursements
Mezzanine Construction	A mezzanine needed to be constructed to hold the multichannel combiner
Rigging	For new main combiner and transmission line
Transmitter Exciter Input	Equipment to properly feed the new transmitter exciters

## **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 Co
Interim Transmitter THUevo	\$1,022,000.00	\$738,255.36		\$523,706.01	
UHF inside RF system including switching	\$147,500.00	\$140,000.00	N/A	\$0.00	N/A
20 Ton system	\$115,500.00	\$110,000.00	N/A	\$107,432.50	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$416,955.36	Interim transmitter needed to stay on the air while main transmitter replaced and transmission line /combiner replaced, tested, etc.	\$416,273.51	N/A
Primary Transmitter THU9evo	\$1,204,000.00	\$1,011,000.00		\$976,960.54	
MASK Filter	\$31,000.00	\$31,000.00	N/A	N/A	N/A

30 Ton system	\$166,000.00	\$108,000.00	Existing 'custom' air conditioner will need to be removed to make room for the new equipment	\$107,432.50	Please d the transi which ha Walters J611B wi action - r more infoi (the sec Walters) this item d the categ within bu and The V Co. AC c approv
Other	\$60,000.00	\$60,000.00	Costs of	\$59,152.00	This is a n
Electrical			electrical and		item for th
Service:			decommissioning		When we
Unsure of			work of our old		origina
new			transmitters		budgetin
electrical			(high voltage		did not re
requirements			transformers,		that we v
			electrical panels.		have al
			Also included is		decommis
			an electrical		expense
			project manager		dumps
			to oversee this		charges
			aspect. We were		electrical <sub> </sub>
			not aware when		manage
			we were		charg
			budgeting this		
			project all the		
			issue.		

UHF -	\$947,000.00	\$812,000.00	I have included	\$810,376.04	The Roh
Liquid			the equipment		Schwarz
Cooled			package		for the de
Solid State			drawings that		drawing
Transmitter			Rohde and		created
21 - 31 kW			Schwarz have		overage.
			developed for		remove th
			the transmitter		Rohde
			site. Please look		Schwarz
			at the actual		name is in
			invoices for		and t
			substantiation of		attachr
			the estimated		doesn't ha
			cost. I have		info requ
			included proof of		
			performance and		
			Harmonic Filter		
Sub-total	\$2,226,000.00	\$1,749,255.36	N/A	\$1,500,666.55	N/A
Total for all systems	\$3,493,289.60	\$2,659,373.96	N/A	\$2,107,041.48	N/A

#### Components

Actual Information Description	File Name	
UHF inside RF system including switching	Information not provided.	
20 Ton system		
	Component Description:  Amount:	Interim Transmitter Replacement AC Unit Libert#1 - includes Labor , Materials and Subcontractors \$107,432.50
	Component Description: Amount:	N/A N/A
Transformer 3 phase/480v - 300 KVA	Information not provided.	

Switchgear - industrial 800 amp	Information not provided.		
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	Component Description:	25% down payment 15.5 kW /14.5 kW of MD	
	Amount:	Transmitter System \$104,068.38	
	Component Description:	75% of the 15.5kW /14.5kW OFMD Transmitter System Interim	
	Amount:	\$312,205.13	
MASK Filter	Information not provided.		
30 Ton system			
	Component Description:  Amount:	Primary Transmitter Replacement AC Unit. Both the Primary and backup are the same tonnage and the vendor quote for both units combined are on page 36 of the PDF \$107,432.50	
	Component Description:	Primary Transmitter Replacement AC	
		Unit	

Other Electrical Service: Unsure of new electrical requirements

Component Description: We have put a new

line item in the 399 to accommodate this invoice- as when we were writing the budget,

we did not anticipate these

expenses

**Amount:** \$59,152.00

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW

Component Description: 25% down of the

main transmitter-PO and Quote also

attached

**Amount:** \$196,481.32

Component Description: THU9-T9 2019

Harmonic filter

band IV

**Amount:** \$1,130.00

Component Description: Proof of

Performance for

THU9evo-10

WMHT Channel 25

**Amount:** \$7,500.00

Component Description: Detailed drawing

Package of the WMHT Transmitter

Site

**Amount:** \$15,820.74

Component Description: 75% of the

payment for the 31k /W ATSC/28kw OFDM Transmitter

System

**Amount:** \$589,443.98

Component Description: Detailed drawing -

comprehensive

coverage field study

**Amount:** \$15,820.74

## **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 TUD-05-12 /60H-1-B	\$241,140.00	\$69,629.00		\$65,461.02	
Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	\$18,950.00	\$8,400.00	Actually the cost higher on PO- so not quite sure how the budget numbers were derived.	\$8,386.67	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$0.00	N/A	N/A	N/A
Combiner output splitting /switching for dual feed lines, if applicable	\$126,000.00	\$0.00	N/A	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$53,335.00	1/3 of the cost	\$49,394.35	N/A

Sweep test of existing antenna	\$6,730.00	\$7,894.00	Additional sweeps than what was originally budgeted, were done	\$7,680.00	The estimate was for 30% down this invoice is for 45% down
			due to some tower issues		
Auxiliary Antenna TU Deltastar	\$339,109.60	\$151,869.60		\$139,441.04	
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	\$17,000.00	required for new side mount aux antenna	\$16,393.02	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$13,400.00	required as per RF sweep	\$13,345.60	N/A

Combiner output splitting /switching for dual feed lines, if applicable	\$126,000.00	\$30,000.00	Using this category for all the additional expenses as a result of the changes in the combiner /mezzanine vision	\$29,032.83	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$2,599.99	N/A
UHF â€" Broadband Panel, Side Mount Auxiliary /Interim, 20 horizontally polarized	\$2,000.00	\$2,000.00	This is a duplicate line- please ignore	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$0.00	N/A	N/A	N/A

UHF –	\$78,069.60	\$78,069.60	***System	\$78,069.60	N/A
Broadband	<i>\$1.0,000.00</i>	÷. 5,555.56	Notice:	÷. 5,555.55	
Panel,			Estimate		
Side Mount			adjusted		
Auxiliary			and locked		
/Interim, 20			because		
horizontally			line has		
polarized			been		
			superseded.		
			***Our		
			current aux		
			antenna is		
			cut for		
			channel 34		
			only		
			(reference		
			RF sweep)		
			and will		
			need to be		
			replaced		
			for our new		
			channel		
Sub-total	\$580,249.60	\$221,498.60	N/A	\$204,902.06	N/A
Total for all systems	\$3,493,289.60	\$2,659,373.96	N/A	\$2,107,041.48	N/A

#### Components

<b>Actual Information</b>	
Description	File Name

Elbow complex, broadband, at antenna input, per 8 3 /16. feedline (if needed)	Component Description:  Amount:	2nd invoice for the Combiner and equipment for the CRB- WMHT is paying 1/3 of the 2nd 45% down for Dielectric \$3,060.00
	Component Description:	1/3 cost of dollar
	Amount:	payment on Elbow complex \$2,266.67
	Component Description:	This invoice is for shared tower-CRB- WMHT is paying 1/3 of the invoice is 45% of the total- the elbow total is 9,180-WMHT is paying 3060
	Amount:	\$3,060.00
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
Combiner output splitting /switching for dual feed lines, if applicable	Information not provided.	
New combiner, cost per channel (without antenna)		

Component Description: Invoice is total for

the 3 stations as part of the CRB-Capital Region Broadcasters-WMHT's share is \$1,351.80 final invoice for the combiner

**Amount:** \$1,351.80

Component Description: Freight and

Shipping -Combiner and assorted

Equipment for 3 stations on a joint tower- WMHT is responsible for 1/3

of the cost

**Amount:** \$29.22

Component Description: Freight and

Storage for the Combiner and Assorted

Equipment for the 3 stations on a joint tower.Capital Region Broadcasters.
WMHT is required

to pay 1/3 of the

invoice

**Amount:** \$1,171.94

Component Description: Shared Combiner

for the joint CRB tower- invoice is 45% of the cost; our share is 1/3.

**Amount:** \$23,420.69

Component Description: Shared combiner

for the shared CRB tower-45% 2nd invoice; 1/3 of the cost- stations-WMHT; WCWN,

WTEN

**Amount:** \$23,420.70

Sweep test of existing antenna

**Component Description:** 45% of the Repack

Sweep includes 1 Field Engineer on-Site for the Day, Travel, Expenses

and Report

**Amount:** \$2,880.00

Component Description: A sweep due to

the combiner
purchase for the
shared towerCRB- WTEN,
WMHT and
WCWN- this
invoice is for 45%
down, WMHT

share is 1/3

**Amount:** \$960.00

Component Description: 2nd 45% invoice

from Dielectric for

the shared combiner and associated

equipment for the Shared CRB tower- WMHT, WCWN and WTEN are sharing this expense- each station's share is 1

/3.

**Amount:** \$960.00

Component Description: Repack Sweep

includes 1 Field Engineer on site for 1 day, travel expenses and report 45% down

**Amount:** \$2,880.00

	I	
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)	Component Description:	Freight expense- the quote did not include freight- FOB- Raymond Me on the quote
	Amount:	\$638.70
	Component Description:  Amount:	The items have been shipped. This invoice is to true up what has been quoted in this specific line item \$3,766.32
	Amount.	ψ3,700.32
	Component Description:	Product 400001435 45% down
	Amount:	\$5,994.00
	Component Description:	45% down on Product #400001435
	Amount:	\$5,994.00

Elbow complex, broadband, at antenna input, per 6 1/8. **Component Description:** Elbow joint product feedline (if needed) 400007476 not previously invoiced \$7,024.00 Amount: **Component Description: Product** #40001436 45% down **Amount:** \$3,160.80 **Component Description:** Product # 40001436 - 45% down Amount: \$3,160.80 Combiner output splitting /switching for dual feed **Component Description:** Another expense lines, if applicable due to facility modifications necessary to meet the 8/2/19 transition deadline **Amount:** \$4,455.32 **Component Description:** Additional expense to solve the construction delays to make the 8/2 deadline

Amount:

\$24,577.51

Sweep test of existing		
antenna	Component Description:	Completion of the electrical report after the RF Sweep. Invoice split among the 3 stations WMHT, WTEN and WCWN. Vendor was unwilling to make separate invoices.
	Amount:	\$1,733.33
	Component Description:  Amount:	WMHT Aux System Sweep Test; 3 stations on invoice- WMHT listed - which is 1/3 of the total upon proposal acceptance \$866.66
	Amount:	\$866.66
UHF – Broadband Panel, Side Mount Auxiliary /Interim, 20 horizontally polarized	Information not provided.	
New combiner, cost per channel (without antenna)	Information not provided.	
UHF – Broadband Panel, Side Mount Auxiliary /Interim, 20 horizontally polarized	Component Description: Amount:	Part #400001434 45% down \$39,034.80
	Component Description:	Product 400001434 45%
	Amount:	down \$39,034.80

## **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
Primary Transmission Line	\$0.00	\$201,720.00		\$200,566.98	
Rigid Transmission Line - copper, 8 3 /16" broadband	\$0.00	\$201,720.00	existing transmission line does not support the new channel assignments, this represents 1 /3 of the cost of 189,500- have increased the sum to include the actual transmission line install- our share is 138,550	\$200,566.98	N/A
Auxiliary Transmission Line	\$0.00	\$42,105.00		\$37,894.50	
Rigid Transmission Line - copper, 6 1 /8" broadband	\$0.00	\$42,105.00	existing transmission line does not support the new channel assignment.	\$37,894.50	N/A
Sub-total	\$0.00	\$243,825.00	N/A	\$238,461.48	N/A
Total for all systems	\$3,493,289.60	\$2,659,373.96	N/A	\$2,107,041.48	N/A

### Components

Actual Information Description	File Name	
Rigid Transmission Line - copper, 8 3/16" broadband	Component Description:	Final Invoice for the Transmission Line Install Albany, NY - WMHT- on the CRB tower
	Amount:	\$9,275.00
	Component Description:	Provide Labor, Equipment and Fabrication services for line and antenna change outs related to Spectrum Repacking. This is invoice is one-third of the total.
	Amount:	\$100,000.00
	Component Description:	2nd of 3 invoices for the WMHT Transmission Line Install on the joint CRB Tower (Capital Region Broadcasters)
	Amount:	\$9,275.00
	Component Description:	First of 3 invoices for Transmission Line Install on the joint CRB tower (Capital Region Broadcasters)
	Amount:	\$20,000.00

Component Description: Shared combiner

and associated equipment for shared CRB tower- WMHT, WTEN and WCWN- 45% of total cost- 1/3 WMHT share

**Amount:** \$31,008.49

Component Description: Shared combiner

and misc

equipment for the shared CRB tower- 2nd 45% invoice from Dielectric -

WMHT's share is 1 /3 of the expensespread over 4

components of the

399

**Amount:** \$31,008.49

Rigid Transmission Line - copper, 6 1/8" broadband

**Component Description:** RTLSCR3-20 45%

down

**Amount:** \$1,399.28

Component Description: Product

300006758 45%

down; 1 penny

rounding

**Amount:** \$17,547.97

Component Description: Product

#RTLSCR3-20

45% down

**Amount:** \$1,399.28

Component Description: Product

#300006758 45%

down.

**Amount:** \$17,547.97

# **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).

	Bundata and	Fatimatad	Estimated		A a forel O a a f
Description	Predetermined Cost Estimate	Estimated Cost	Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$254,800.00	\$83,070.00		\$6,324.67	
Minor tower reinforcement /modifications	\$158,000.00	\$50,000.00	1/3 of the cost of \$150000	N/A	N/A
Short Tower (less than 500')	\$84,200.00	\$26,670.00	1/3 of the cost of \$80000	N/A	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$6,400.00	We needed another tower climb to understand what was on our tower; hence the tower climb which increased the cost.; after the repack, the Structural consultants came to review the loads- this invoice is just for WMHT	\$6,324.67	We realized that as we were putting up new equipment, we needed to review the tower to understand the stressesthe total amount is not greater than the budgeted amount and the estimated amount has been adjusted.
Sub-total	\$254,800.00	\$83,070.00	N/A	\$6,324.67	N/A

Total for all	\$3,493,289.60	\$2,659,373.96	N/A	\$2,107,041.48	N/A
systems					

#### Components

File Name	
Information not provided.	
Information not provided.	
Component Description:  Amount:	Pdf includes travel backup. Invoice has been divided by 3 - Vendor has refused to issue 3 separate invoices; these stations are being repacked in the same phase, total cost is being divided by 3.  Justification on expense- last page \$1,558.00
Component Description:	Consultant Services during antenna and line installation - this invoice is just for WMHT. Work 8/28 and 8/29- reviewed tower contractors proposed method of installing transmission line to ensure structural integrity of the tower was not compromised \$600.00
	Information not provided.  Component Description:  Component Description:

Component Description: Tower climb of

shared

transmission tower- invoice divided by the 3

stations

**Amount:** \$1,558.00

Component Description: Analysis of the

435' Guyed Tower for WTEN, WMHT and WCWN split evenly among the

3 stations

**Amount:** \$2,500.00

Component Description: Tower mapping of

our shared

transmission tower

/facility

**Amount:** \$1,666.67

# **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 Cos Justificatio
Outside Professional Services	\$315,040.00	\$242,650.00		\$101,369.20	
In house project management and time	\$90,000.00	\$90,000.00	As we were unable to hire a consultant, this project is taking many more hours than we originally budgeted. This reforecast should take us to the end of the project.	\$70,126.41	Robert Cummings is an exempt employee and his hourly wage is predicatec on 1,950 hours per year or 37.5 hours per week. Matt Saplii is an exempt employee and his hourly wage is predicatec on 1,950 hours per year or 37.5 hours per week. Cuong Le is a non-e

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,800.00	Due to the changes and delays, our legal expenses are greater than originally forecast	\$5,617.00	N/A
Travel to Transmitter School	\$1,600.00	\$1,600.00	We will be sending 2 employees to this training. The first trip cost \$783.75. I assume the 2nd trip will be similarly priced.	\$1,526.69	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A

Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$7,000.00	Currently our invoices (not submitted but will be) currently \$6,120. The actual invoices attached should be substantiation for the estimated costs	\$6,120.00	We neede a group PO and purchase agreemen as 2 of ou vendors refused to take individual invoices but wanted 1 invoice with the individual amount broken out The POs then had to be approved by Nexsta and Sincla as we are on a joint tower
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	\$3,760.50	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$4,000.00	WMHT had to submit paperwork to support its broadcasting on the aux antenna as it was unable to yet broadcast on its main antenna to meet the 8/2 deadline	\$3,750.00	N/A

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$750.00	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	\$2,000.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,500.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$1,250.00	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	\$806.40	N/A

Project management of the transition	\$79,000.00	\$7,500.00	N/A	\$1,927.20	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$2,235.00	N/A
Sub-total	\$315,040.00	\$242,650.00	N/A	\$101,369.20	N/A
Total for all systems	\$3,493,289.60	\$2,659,373.96	N/A	\$2,107,041.48	N/A

### Components

Actual Information Description	File Name	
In house project management and time	Component Description:  Amount:	Dennis Correia continued work at the CRB for the repack ensuring that the machinery was working successfully. \$1,354.83
	Component Description:  Amount:	Second January 2018 invoice for labor. We submitted the first one with just December 2017- paid in 2018- see last page for detailed reason. CRB is joint/shared tower \$449.46

Component Description: Internal Labor-03

/31. CRB is the shared tower that all the TV stations are located on.
Monthly and weekly meetings are scheduled.
Cuong Le is the ET

IV, Robert

Cummings is the CRB-WMHT rep.

**Amount:** \$890.33

Component Description: Dennis Correia

continue to work on the repack at the CRB- Capital

Region

Broadcasters joint tower-auxillary antenna work

**Amount:** \$1,920.08

Component Description: Internal Labor for

August 2018. CRB is Capital Region Broadcasters-shared tower facility; Raises are included in this

invoice

**Amount:** \$287.35

**Component Description:** 6/17 Internal Labor.

**CRB** or Capital

Region

Broadcasters is the name of the LLC of the shared tower of

all the

broadcasters in our

local area. Meetings with vendors are

common due to the

repack and

purchase of equip.

Amount: \$1,959.98

**Component Description:** 11/17 Internal

Labor. R&S or R/S

is Rohde & Schwarz: CRB is the joint tower; Dielectric & PCI

vendors

**Amount:** \$3,343.26

**Component Description:** Dennis Correia

> continued to work at the CRB-Capital

Region

Broadcasters to deal with a Rhode and Schwarz issue

Amount: \$215.34

**Component Description:** October 17 Internal

> Labor. Meetings with Rohde & Schwarz- listed as R/S meetigs

Amount: \$921.31 **Component Description:** 5/17 Internal Labor.

CRB is the shared tower of the TV broadcasters.
Meetings with vendors due to the repack are noted on this schedule.

**Amount:** \$1,114.41

Component Description: This is just for the

internal

engineering labor for April 30th.

**Amount:** \$246.43

Component Description: Matt Saplin labor

for December 2018. He works 1,950 per year. CRB is Capital

Region

Broadcasters

**Amount:** \$173.41

Component Description: Engineering time

for the repack.
Repack meetings
and contractor
meetings at the
CRB (joint
transmitter site)

site.

**Amount:** \$961.74

Component Description: Engineering work

done by Matt
Saplin and Cuong
Lee for the repack.
Cuong Lee went to
the Rhodes and

Schwarz

transmitter school; Matt Saplin worked on the quarterly

report

**Amount:** \$1,006.87

**Component Description:** Matt Saplin is

exemptresearched antenna, repack

meetings,

answered calls and emails- varied admin tasks

**Amount:** \$1,004.01

Component Description: R&S is Rhoade

and Schwarz (transmitter) training in

Maryland, CRB is Capital Region Broadcasters

**Amount:** \$533.46

Component Description: Matt Saplin has

been fielding phone calls, working on redesigning the mezzanine.

**Amount:** \$684.55

Component Description: Engineering Work

working on the repack on the CRB- Capital

Region

Broadcastings joint

tower

**Amount:** \$4,109.70

Component Description: Engineering work

done on the

Community Tower-Capital Region Broadcasting notated as CRBjointly owned by all the broadcasters in the capital region

**Amount:** \$7,987.89

Component Description: This invoice has

never been submitted to the FCC (thought recorded as a receivable. 2 Capital Region Broadcasters (CRB) Monthly meetings

\$166.66

Component Description: 12/17 Internal

Amount:

Labor. Capital

Region

Broadcasters is the shared/joint tower that the local broadcasters share- clean up of the site and

meetings part of the repack effort.

**Amount:** \$4,209.58

Component Description: Matt Saplin and

Robert Cummings both work 1950 hours per year

**Amount:** \$95.66

**Component Description:** 5/18 Internal Labor.

Rohde & Schwarz installs, Dielectric delivery all at the CRB- Capital Region

Broadcasters joint /shared tower.

**Amount:** \$1,968.17

Component Description: all 3 employees on

one invoice as requested \$29,602,44

**Amount:** \$29,602.44

**Component Description:** 8/17 Internal Labor.

Nexstar is the

corporate owner of WTEN- one of the stations on the joint /shared CRB tower being repacked in the same phase.

**Amount:** \$810.45

**Component Description:** 2/18 Internal Labor.

CRB is the joint /shared tower much work being done at this site from R/S- Rohde &Schwarz to electricians (Lacorte) and Walters- Air conditioning along

conditioning along with issues with snow removal

**Amount:** \$2,824.85

**Component Description:** 4/18 Internal Labor.

Continued work with vendors at the CRB/Capital

Region

Broadcasters tower site. CRB/Capital Region is the shared tower/jointly

owned tower.

**Amount:** \$8,594.96

Component Description: Cu Long ETV IV

total of 100 hours at \$23.54 per hour

**Amount:** \$2,354.00

**Component Description:** 6/18 Internal Labor-

More work at the CRB or Capital

Region

Broadcasters shared/joint tower. Install, proofing of Rohde & Schwarz transmitter w/ LaCorte electrical

**Amount:** \$3,973.71

**Component Description:** 9/17 Internal

Labor- CRB is the joint/shared tower

for all the broadcasters. Monthly, weekly and even daily meetings due to the repack.

Matthew Saplin is the Assistant Chief

Engineer.

**Amount:** \$2,607.45

**Component Description:** 4/30/17 Internal

Labor. CRB is the shared tower that

all the

broadcasters are on. Weekly and monthly meetings due to repack issues. WMHT, WTEN and WCWN are 3 stations that are being repacked in the same phase.

**Amount:** \$1,389.50

Component Description: all employees on

one invoice per

request

**Amount:** \$526.83

Component Description: Internal Labor for

Feb 28, 2017. CRB LLC is the name of the Joint Tower org. that all the commercial/noncommercial are on..

Monthly and weekly meetings are scheduled. Robert Cummings is the WMHT-CRB engineering

representative

**Amount:** \$95.06

Component Description: 07/17 Internal

Labor. CRB or Capital Region Broadcasters the joint/shared tower

that all the broadcasters including. WMHT are on. Weekly meetings are common as there are many equip decisions to make.

**Amount:** \$3,022.58

**Component Description:** 3/18 Internal Labor.

Continued Work at the CRB/ Capital

Region

Broadcasters (joint /shared tower) sitewith equipment

installs

**Amount:** \$10,676.54

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application Component Description: Regarding

transition reporting along with quarterly

reporting

**Amount:** \$837.00

Component Description: Email

interchanges, status of construction of main antenna, receive and review letter from FCC granting extension of construction permit etc

**Amount:** \$702.00

Component Description: Invoice email

exchange with Consulting

Engineer, Attorney and staff regarding WMHT STA request

**Amount:** \$867.00

Component Description: This invoice is as a

result of WMHT STA request, public file postings,

extending CP for

WMHT

construction and emails between the station, consulting engineers, FCC and attorneys

**Amount:** \$3,078.00

Component Description: Late courier billing

**Amount:** \$25.00

Component Description: Email exchange

regarding need for an STA for reduced

power

**Amount:** \$108.00

Travel to Transmitter School

**Component Description:** Mileage

reimbursement and Ez pass toll exp for Rhoade and

Schwarz

transmitter school that Cuong Le, ET IV, attended in Maryland as we have a new

transmitter as part

of the repack

**Amount:** \$441.72

**Component Description:** Travel exp incl.

mileage, tolls, food and lodging to train at Rohde and

Schwarz

transmitter school-WMHT purchased a new transmitter as part of the

repack

**Amount:** \$783.75

Component Description: Hotel and Food for

Cuong Le, ET IV to be trained in our new Rhoade and

Schwarz transmitter in Maryland. Tolls

and Ez pass on separate invoice

**Amount:** \$301.22

RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
ASR modification (prepare FCC Form 854)	Information not provided.

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

Component Description: Draft collective

purchasing

agreement for the shared equipment of WMHT, WTEN

and WCWN

**Amount:** \$4,800.00

**Component Description:** fees are for drafting

a PO and

agreement for all

our shared equipment to be repacked We-WMHT, WTEN and

WCWN are owners of the Capital

Region

Broadcasters LLC

(aka CRB).

**Amount:** \$280.00

Component Description: Review Sinclair

changes and finalized contract and group PO

**Amount:** \$880.00

Component Description: Reviewing the

engineers
regarding the
collective
purchasing
agreement

**Amount:** \$80.00

Component Description: Single invoice

review after draft of

collective purchasing agreement.

**Amount:** \$80.00

Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application

**Component Description:** 

includes other expenses outside of the Television Repacking. The

television

This invoice

repacking is only

975

**Amount:** \$975.00

**Component Description:** Television

> repacking expenses are segregated and other expenses are

included

**Amount:** \$117.00

**Component Description:** Television

> repacking expense is segregated from the other expenses in this invoice. Only requesting \$39.00. EIN # changed due

to change in

corporate structure. New W-9 attached

along with discussion.

**Amount:** \$39.00

**Component Description:** All expenses on

> this invoice is for the FCC Repack

**Amount:** \$139.50 Component Description: This invoice has

includes other expenses. The television

repacking expense

has been

segregated.

**Amount:** \$351.00

**Component Description:** Television

Repacking Expense is segregated from

other invoice expenses. \$195.00

**Amount:** \$195.00

**Component Description:** Television

Repacking

Expense broken

out- other

expenses are on

this invoice

**Amount:** \$1,944.00

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application

Component Description: To prepare a

Channel 25/STA /interim antenna request due to post

transition

construction delays

**Amount:** \$1,500.00

Component Description: Prepare the

technical portion of the FCC Form 2100, Channel 25 Auxiliary Antenna

application

**Amount:** \$500.00

**Component Description:** To prepare the

WMHT Channel 25 Interim /STA

Application

**Amount:** \$1,625.00

Component Description: Prepare the

engineering section

of FCC Form 2100

**Amount:** \$125.00

Prepare engineering section of FCC Form 2100 **Component Description:** Prepare the (main), License to Cover technical portion of Application the app for license to cover CP, LMS \$250.00 Amount: **Component Description:** Engineering study work for new channel assignment and antenna development \$250.00 **Amount: Component Description:** Engineering study work for new channel assignment and antenna development Amount: \$250.00 RF Consulting Engineer Fees- Aux Antenna: **Component Description:** Prepare the Prepare engineering engineering section section of FCC Form 2100, of FCC Form 2100 Construction Permit Amount: \$2,000.00 Application Prepare engineering

**Component Description:** 

Amount:

Engineering work

Application

\$1,500.00

on the STA/Interim

section of FCC Form 2100

(main), Construction Permit

Application

Perform engineering study for new channel assignment and antenna development	Component Description:	Tech Review of Transmission Plant Professional Services, and Form 2100 CP Mod ERP Reduction- Professional Services
Address transition timing and coordination issues w/other stations and wireless	Amount:  Information not provided.	\$1,250.00
Prepare and or review reimbursement form	Component Description:	Assisting with the 4th Qtr report in the LMS system. Due to the change in the engineering staff, assistance was needed
	Amount:	\$806.40

Project management of the transition

Component Description: Needed additional

engineering

support for WMHT due to the complex nature of our joint tower. Frederick Lass was one of the original engineers who designed the structure.

**Amount:** \$1,927.20

Component Description: Please delete this

invoice; the full amount of this invoice including this has its own line

item- thanks.

**Amount:** \$2,800.00

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application

Component Description: There are 2 sub-

totals on this sheetone for general legal and the other for the repack legal

work. (aka transition

reimbursable)- we are claiming just for

the transition reimbursable

**Amount:** \$1,404.00

Component Description: Retrieving copy of

granted license for WMHT and check it to ensure that is is main and not auxiliary. Foster Garvey is a merger of Foster Pepper and Garvey Schubert Barer. The name of the firm changed - EIN number the same

**Amount:** \$270.00

Component Description: Email

interchanges, moving to main antenna, Name of firm changed, not

EIN#

**Amount:** \$162.00

Component Description: Emails and

dialogue between the Attorneys and

the Station

regarding the STA request, public file postings and consumer education.

**Amount:** \$399.00

## **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 Cos
Other Expenses	\$96,400.00	\$98,275.00		\$55,317.52	
Finance and Accounting Expense	\$7,000.00	\$7,000.00	To cover the salary expense for the Finance and Accounting team to handle the cost accounting and the 399 preparation for the repack	\$5,822.57	N/A
Transmitter Exciter Input	\$6,300.00	\$6,300.00	To purchase equipment to properly feed the new exciters and finalize the input requirements of the new transmitter	\$0.00	N/A
Rigging	\$13,335.00	\$13,335.00	1/3 of the total cost of \$40000	N/A	N/A

Mezzanine Construction	\$25,000.00	\$25,000.00	We needed to redesign our	\$24,097.08	N/A
			facility to		
			accommodate		
			the new		
			equipment		
			facilitated by		
			the repack.		
			This redesign		
			is being split		
			by WCWN,		
			WTEN and		
			WMHT and		
			has been		
			discussed by		
			the FCC		
Facility Heat	\$6,625.00	\$6,625.00	1/3 cost of	N/A	N/A
			\$19,875 for		
			new facility		
			heat system,		
			shared cost		
			with WTEN		
			and WCWN.		
			Due to heat for		
			the facility was		
			being supplied		
			by the old tube		
			transmitters		
			excess heat		
			which are no		
			Willon are no		

MVPD	\$8,000.00	\$8,000.00	We do not	\$6,947.00	N/A
Notification of			know how the		
Channel			\$2,000 budget		
Change			was came		
			about. We		
			called several		
			vendors and in		
			order to do		
			what was		
			mandated, we		
			had to spend		
			significantly		
			greater than		
			budgeted. We		
			ultimately		
			selected		
			companies		
			based on who		
			our colleagues		
			were using		
			/recommended.		
Develop and	\$2,000.00	\$2,000.00	need to let our	\$613.31	N/
air			viewers know		
announcement			of the channel		
of upcoming			change		
channel					
change					
Equipment	\$9,000.00	\$9,000.00	We do not	\$4,797.00	N/
Storage			have any	· ,	
Ŭ			place to store		
			the equipment		
			as it received		
Equipment	\$10,000.00	\$10,000.00	Unknown cost	\$7,613.20	N/
Delivery and	,	, , , , , , , , ,	at this time	. ,	-
Handling					
rianumig					

Disposal Costs (for equipment and other waste, net of any salvage value)	\$7,500.00	\$7,500.00	Unknown cost at this time	\$3,200.56	The Roho and Schwarz invoice has been moved to separate line item in the 399; The correspondent invoice is for \$3,038.5. Once the Rhode and Schwarz invoices are deleted then this line item in o longer in an overage situation.
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	\$3,000.00	Much of the 2100 work and other work are on 1 invoice rather than small separate invoices. I will not be using many of the small legal line items	\$2,226.80	N/A

Total for all	\$3,493,289.60	\$2,659,373.96	N/A	\$2,107,041.48	N/A
systems					

### Components

Actual Information Description	File Name	
Finance and Accounting Expense		
Expense	Component Description:	This includes the Finance and Accounting Staff also Devan Patenaude who is part of Admin and manages the switchboard calls.
	Amount:	\$1,285.51
	Component Description:	Julie Raskin and 399 work
	Amount:	\$441.48
	Component Description:	Finance /Accounting Support for the 399. Unaware that we were able to charge for our time. This is the 2nd invoice as we had already submitted the engineering internal labor invoices
	Amount:	\$485.24

Component Description: Finance Team

besides working on the invoices, 399 assisted other NYS

public media stations to put together internal labor invoices for

the repack

**Amount:** \$1,003.00

Component Description: Write cover memos

and assemble equipment

packages for 399. Conference Call with Dielectric to discuss invoicing

concerns.

**Amount:** \$107.67

Component Description: Accounting

/Finance Work for the 399s. 2nd invoice for August 2018. Unaware that we were able to submit for reimbursement, there we had already submitted the engineering

invoices.

**Amount:** \$783.57

Component Description: 399 Assemble

packages done by Julie Raskin;

review budget

**Amount:** \$46.14

Component Description: Finance

/Accounting

support for the 399 and administering support. 2nd invoice for the same period as we had submitted

internal
engineering
invoices without
realizing that we
could charge for

our labor

**Amount:** \$370.04

Component Description: Julie Raskin and

Avanti Shirali

worked on internall labor invoices and admin tasks for the

399

**Amount:** \$180.73

Component Description: This invoice is for

Julie Raskin's work on the 399. Julie Raskin is exempt and works 1950 hours per year.

**Amount:** \$92.29

Component Description: Time Cards and

399 Work for Marie McGowty and Julie Raskin respectively

**Amount:** \$362.26

Component Description: This is for the

finance/accounting work done on the 399s by Julie

Raskin

**Amount:** \$123.06

Component Description: October 2018

invoice for
Accounting
/Finance work to
assemble the
various invoices
including internal
labor. We were
unaware that we

could get

reimbursed for our

time

**Amount:** \$541.58

Transmitter Exciter Input

Component Description: Equipment to

properly feed the new exciters. We will supply invoices with shipping as substantiation once the quote has been

approved.

**Amount:** \$6,075.00

Rigging

Information not provided.

	Component Description	This invoice has
	Component Description:	
		been divided by 3 - WCWN, WTEN
		and WMHT all
		members of the
		joint - shared
		tower- CRB or
		Capital Region
		Broadcasters. This
		work is part of the
		mezzanine project.
	Amount:	\$676.80
	<b>Component Description:</b>	This is for the
		construction of the
		Mezzanine for the
		combiner. This is a
		joint invoice with
		WMHT's share
		itemized.
	Amount:	\$21,820.28
	Component Description:	Invoice is for 1/3 of
		the cost for the
		removal of the
		combiner at the
		CRB Building
	Amount:	\$1,600.00
Facility Heat	Information not provided.	

MVPD Notification of Channel Change		
Chaille Change	Component Description:	This is to notify all
		the cable and
		satellite providers
		of the channel
		frequency change.
		We opted to use 2 vendors to provide
		these notifications
		as it saved over
		\$500.
	Amount:	\$3,197.00
	, and and	ψο, ι ο ι ι ο ο
	Component Description:	Medical Notification
		Mailing Complete
		per FCC Repack
	Amount:	\$3,750.00
Develop and air		
announcement of	Component Description:	Placing TV spots
upcoming channel change		into logs for
		broadcast, voice
		overs and social
		media and website
		work
	Amount:	\$233.31
	Component Description:	To reprogram
	Compension Dood iphoni	WMHT phone
		system to add
		prompts and phone
		tree to guide our
		viewers on how to
		rescan their TVs.

Amount:

\$380.00

Equipment Storage		
	Component Description:	Storage Containers for the Repack Equipment
	Amount:	\$3,880.00
	Component Description:	Pallet Jack, Load Capacity 5000 lbs Manufacturer #12U125- to move
	Amount:	the equipment \$917.00
Equipment Delivery and Handling Charges	Component Description	Daniel of a O
	Component Description:	Rental of a Genie Forklift to rearrange and move equipment in WMHT Transmitter room as a result of the new equipment purchased by the repack.
	Amount:	\$609.50
	Component Description:	Rental of 1 four wheel drive forklift to move all the equipment old and new
	Amount:	\$1,450.00
	Component Description:	Rental of one four wheel drive forklift-to move all the equipment new and old for the repack
	Amount:	\$1,670.00

Component Description: For moving

transformer oil

drums

Amount:

\$340.20

Component Description:

Rental of 1 four wheel drive forklift to move all the equipment new and old for the

repack

**Amount:** \$1,450.00

**Component Description:** Rental of a fork-lift

to move the new and old equipment at the site. Needed additional time due to the delivery of a transmitter cabinet

**Amount:** \$853.50

Component Description: We needed snow

removal at the site in order to receive the equipment- we had 3 noreasters in

a row

**Amount:** \$1,240.00

Disposal Costs (for equipment and other waste, net of any salvage value)

Component Description: This for the

expense of the safe disposal of the mineral oil from our Comark transmitter beam supply transformers-

please delete other Safety -Kleen component

**Amount:** \$3,038.56

Component Description: Used barrels to

store transmitter oil- purchased on Craig's List - no quote as this was purchased used and on-line

**Amount:** \$64.80

Component Description: Needed more

barrels for the used oil- purchased used barrels on line via Craig's listno quote available

**Amount:** \$97.20

Component Description: Please delete this

line item; this entire invoice has been moved to a separate budget

item

**Amount:** \$1,900.00

Component Description: Safe disposal of

the mineral oil from Comark transmitter

**Amount:** \$2,813.48

Component Description: Please delete this

line item- the entire invoice has been moved to a

separate line item.

**Amount:** \$54,452.00

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	Component Description:	Work on license applications and canceling STA- 2 firms merged, EIN # stayed the same.
	Amount:	\$1,470.80
	Component Description:  Amount:	This is the cost of retrieving a copy of the granted construction permit for the repack effort \$108.00
	Component Description:  Amount:	Continued work on license application for modified CP \$756.00
	Amount	φ1 00.00

## Cost Information

#### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,493,289.60	\$2,659,373.96	\$2,107,041.48

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. Julie Raskin Vice President Finance and Administration

08/24/2020

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. Julie Raskin Vice President Finance and Administration

08/24/2020

#### **Attachments**