



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **73263** | Service: **DTV** | Call **WMHT** | Channel: **25 (UHF)**
ID: | Sign:
File **0000027901**
Number:
FRN: **0006595441** | Date **09/05**
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 Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Keith Martin <i>Director of Technology</i> <i>WMHT Educational</i> <i>Telecommunications</i>	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

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

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	Paragon
	Year	2005
	Type	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 re-tuning and replacing exciters exceeds cost of new transmitter.

**Primary
Transmitter**

Other Transmitter Costs

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

	Description	Unsure of new electrical requirements
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	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 leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filter 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
	Type	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 leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	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
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 Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Bottom
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	4
	Number of Panels	60
	Design power capacity in use	100.0 %
Lower Limit	470.00 MHz	

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
	Type	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.

**Auxiliary
Antenna**

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 Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	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

**Auxiliary
Antenna**

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 Manufacturer and Types	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	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

Auxiliary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	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

**Auxiliary
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

**Auxiliary
Transmission
Line**

Add Transmission Line

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 Type	Manufacturer	
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	0
	Length	347 feet per run

**Auxiliary
Transmission
Line** **New Transmission Line**

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
	Type	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
Transmission
Line** **Other Transmission Line Expenses Not Listed**

Information not provided.

**Primary
Transmission
Line**

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	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 per run

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
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73264	WCWN
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Primary Transmission Line **New Transmission Line**

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	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 run
	Justification for New Transmission Line	Existing transmission line does not support all the new channels assigned by the repack

Primary Transmission Line **Other Transmission Line Expenses Not Listed**

Information not provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	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 Structure Registration	Do you have a tower registration number?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	42° 37' 31.3" N-
	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
74422	WTEN	DTV
11970	WXXA-TV	DTV
73264	WCWN	DTV
73363	WNYT	DTV
73942	WRGB	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 Services Costs

Section	Question	Response
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 Services	Prepare and file Form FCC Construction Permit Application	Yes
	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
Services
Costs**

Other Professional Services Expenses Not Listed

Name	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 Cost Justification
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	

Other Electrical Service: Unsure of new electrical requirements	<i>\$60,000.00</i>	\$60,000.00	Costs of electrical and decommissioning work of our old transmitters (high voltage transformers, electrical panels. Also included is an electrical project manager to oversee this aspect. We were not aware when we were budgeting this project all the issue.	\$59,152.00	This is a new item for the budget. When we originally budgeted, we did not realize that we would have additional decommissioning expense dumps charges electrical project manager charge
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$812,000.00	I have included the equipment package drawings that Rohde and Schwarz have developed for the transmitter site. Please look at the actual invoices for substantiation of the estimated cost. I have included proof of performance and Harmonic Filter	\$810,376.04	The Rohde Schwarz drawings created for the decommissioning drawings created overage. I removed the Rohde Schwarz name is in the drawings and the attachments doesn't have the info required

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 c the trans: which ha Walters J611B wi action - r more infor (the sec Walters) this item d the categ within bu and The V Co. AC c appro
MASK Filter	<i>\$31,000.00</i>	\$31,000.00	N/A	N/A	N/A
Sub-total	\$2,226,000.00	\$1,749,255.36	N/A	\$1,500,666.55	N/A
Total for all systems	\$3,494,289.60	\$2,670,973.96	N/A	\$2,125,517.39	N/A

Components

Actual Information	
Description	File Name
UHF inside RF system including switching	Information not provided.
20 Ton system	<p>Component Description: Interim Transmitter Replacement AC Unit Libert#1 - includes Labor , Materials and Subcontractors</p> <p>Amount: \$107,432.50</p> <p>Component Description: N/A</p> <p>Amount: N/A</p>
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	<p>Component Description:</p> <p>Amount:</p> <p>Component Description:</p> <p>Amount:</p>	<p>75% of the 15.5kW /14.5kW OFMD Transmitter System Interim</p> <p>\$312,205.13</p> <p>25% down payment 15.5 kW /14.5 kW of MD Transmitter System</p> <p>\$104,068.38</p>
Other Electrical Service: Unsure of new electrical requirements	<p>Component Description:</p> <p>Amount:</p>	<p>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</p> <p>\$59,152.00</p>

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: 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: THU9-T9 2019
Harmonic filter
band IV
Amount: \$1,130.00

Component Description: Detailed drawing -
comprehensive
coverage field study
Amount: \$15,820.74

Component Description: 75% of the
payment for the 31k
/W ATSC/28kw
OFDM Transmitter
System
Amount: \$589,443.98

30 Ton system	<p>Component Description: 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</p> <p>Amount: \$107,432.50</p> <p>Component Description: Primary Transmitter Replacement AC Unit</p> <p>Amount: \$107,432.50</p>
MASK Filter	Information not provided.

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna TUD-05-12 /60H-1-B	\$241,140.00	\$69,629.00		\$65,461.02	
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 due to some tower issues	\$7,680.00	The estimate was for 30% down, this invoice is for 45% down

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
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
Auxiliary Antenna TU Deltastar	\$339,109.60	\$162,469.60		\$151,519.56	
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$18,400.00	required as per RF sweep; elbow transitioning is working out differently from the drawings- does not provide the correct internal tower positioning- so the elbow was redesigned to have it installed before the tower crew left	\$17,884.38	N/A

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$20,000.00	required for new side mount aux antenna	\$17,532.76	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
New combiner, cost per channel (without antenna)	\$84,200.00	\$0.00	N/A	N/A	N/A

Sweep test of existing antenna	\$6,730.00	\$9,000.00	Other repack related sweeps have been entered into this line item as actuals which is why this is higher than budget and estimated cost.	\$8,999.99	N/A
UHF â€“ Broadband Panel, Side Mount Auxiliary /Interim, 20 horizontally polarized	<i>\$2,000.00</i>	\$2,000.00	This is a duplicate line- please ignore	N/A	N/A
UHF – Broadband Panel, Side Mount Auxiliary /Interim, 20 horizontally polarized	<i>\$78,069.60</i>	\$78,069.60	***System Notice: Estimate adjusted and locked because line has 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	\$78,069.60	N/A
Sub-total	\$580,249.60	\$232,098.60	N/A	\$216,980.58	N/A

Total for all systems	\$3,494,289.60	\$2,670,973.96	N/A	\$2,125,517.39	N/A
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Components

Actual Information	
Description	File Name
Combiner output splitting /switching for dual feed lines, if applicable	Information not provided.
New combiner, cost per channel (without antenna)	<p>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</p> <p>Amount: \$1,171.94</p> <p>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</p> <p>Amount: \$1,351.80</p>

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: 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: 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

Component Description: A sweep due to the combiner purchase for the shared tower- CRB- WTEN, WMHT and WCWN- this invoice is for 45% down, WMHT share is 1/3

Amount: \$960.00

<p>Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>												
<p>Elbow complex, broadband, at antenna input, per 8 3 /16. feedline (if needed)</p>	<table> <tr> <td data-bbox="710 369 1141 526"> <p>Component Description:</p> </td> <td data-bbox="1149 369 1412 526"> <p>1/3 cost of dollar value- final payment on Elbow complex</p> </td> </tr> <tr> <td data-bbox="710 526 1141 593"> <p>Amount:</p> </td> <td data-bbox="1149 526 1412 593"> <p>\$2,266.67</p> </td> </tr> <tr> <td data-bbox="710 660 1141 1019"> <p>Component Description:</p> </td> <td data-bbox="1149 660 1412 1019"> <p>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</p> </td> </tr> <tr> <td data-bbox="710 1019 1141 1086"> <p>Amount:</p> </td> <td data-bbox="1149 1019 1412 1086"> <p>\$3,060.00</p> </td> </tr> <tr> <td data-bbox="710 1153 1141 1444"> <p>Component Description:</p> </td> <td data-bbox="1149 1153 1412 1444"> <p>2nd invoice for the Combiner and equipment for the CRB- WMHT is paying 1/3 of the 2nd 45% down for Dielectric</p> </td> </tr> <tr> <td data-bbox="710 1444 1141 1512"> <p>Amount:</p> </td> <td data-bbox="1149 1444 1412 1512"> <p>\$3,060.00</p> </td> </tr> </table>	<p>Component Description:</p>	<p>1/3 cost of dollar value- final payment on Elbow complex</p>	<p>Amount:</p>	<p>\$2,266.67</p>	<p>Component Description:</p>	<p>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</p>	<p>Amount:</p>	<p>\$3,060.00</p>	<p>Component Description:</p>	<p>2nd invoice for the Combiner and equipment for the CRB- WMHT is paying 1/3 of the 2nd 45% down for Dielectric</p>	<p>Amount:</p>	<p>\$3,060.00</p>
<p>Component Description:</p>	<p>1/3 cost of dollar value- final payment on Elbow complex</p>												
<p>Amount:</p>	<p>\$2,266.67</p>												
<p>Component Description:</p>	<p>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</p>												
<p>Amount:</p>	<p>\$3,060.00</p>												
<p>Component Description:</p>	<p>2nd invoice for the Combiner and equipment for the CRB- WMHT is paying 1/3 of the 2nd 45% down for Dielectric</p>												
<p>Amount:</p>	<p>\$3,060.00</p>												

<p>Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)</p>	<p>Component Description: Invoice includes shipping that was not in the quote. Elbow needed to be redesigned to work with the conditions at the joint community tower- CRB</p> <p>Amount: \$4,538.78</p>
	<p>Component Description: Product # 40001436 - 45% down</p> <p>Amount: \$3,160.80</p>
	<p>Component Description: Product #40001436 45% down</p> <p>Amount: \$3,160.80</p>
	<p>Component Description: Elbow joint product 400007476 not previously invoiced</p> <p>Amount: \$7,024.00</p>
<p>Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>

Side mount brackets for high power antennas (if not included in antenna base cost)

Component Description: Shipping expense and connectors to meet the FCC on air deadline.
Amount: \$221.74

Component Description: The invoice was due to the tower crew needing to leave before the work was done and our need to get the auxiliary antenna on the air.
Amount: \$918.00

Component Description: Product 400001435 45% down
Amount: \$5,994.00

Component Description: Freight expense- the quote did not include freight- FOB- Raymond Me on the quote
Amount: \$638.70

Component Description: The items have been shipped. This invoice is to true up what has been quoted in this specific line item
Amount: \$3,766.32

Component Description: 45% down on Product #400001435
Amount: \$5,994.00

Combiner output splitting /switching for dual feed lines, if applicable	<p>Component Description: Another expense due to facility modifications necessary to meet the 8/2/19 transition deadline</p> <p>Amount: \$4,455.32</p>
	<p>Component Description: Additional expense to solve the construction delays to make the 8/2 deadline</p> <p>Amount: \$24,577.51</p>
New combiner, cost per channel (without antenna)	Information not provided.

Sweep test of existing antenna	Component Description: Repack Sweep Amount: \$6,400.00
	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: WMHT Aux System Sweep Test; 3 stations on invoice- WMHT listed - which is 1/3 of the total upon proposal acceptance Amount: \$866.66
UHF " Broadband Panel, Side Mount Auxiliary /Interim, 20 horizontally polarized	Information not provided.
UHF – Broadband Panel, Side Mount Auxiliary /Interim, 20 horizontally polarized	Component Description: Part #400001434 45% down Amount: \$39,034.80
	Component Description: Product 400001434 45% down Amount: \$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 Justification
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		\$41,558.08	
Rigid Transmission Line - copper, 6 1 /8" broadband	\$0.00	\$42,105.00	existing transmission line does not support the new channel assignment.	\$41,558.08	N/A
Sub-total	\$0.00	\$243,825.00	N/A	\$242,125.06	N/A
Total for all systems	\$3,494,289.60	\$2,670,973.96	N/A	\$2,125,517.39	N/A

Components

Actual Information**Description****File Name**

Rigid Transmission Line -
copper, 8 3/16" broadband

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: 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: 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: Final Invoice for
the Transmission
Line Install Albany,
NY - WMHT- on
the CRB tower
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 misc equipment for the shared CRB tower- 2nd 45% invoice from Dielectric - WMHT's share is 1 /3 of the expense- spread over 4 components of the 399

Amount: \$31,008.49

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

Component Description: We ordered precut wire so that the tower crew could finish the installation before they departed

Amount: \$3,109.50

Component Description: Shipping on Invoice 612003

Amount: \$554.08

Component Description: Product #RTLSCR3-20 45% down

Amount: \$1,399.28

Component Description: Product #300006758 45% down.

Amount: \$17,547.97

Component Description: RTLSCR3-20 45% down

Amount: \$1,399.28

Component Description: Product 300006758 45% down; 1 penny rounding

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).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated 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 stresses- the 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 systems	\$3,494,289.60	\$2,670,973.96	N/A	\$2,125,517.39	N/A
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Components

Actual Information	
Description	File Name
Minor tower reinforcement /modifications	Information not provided.
Short Tower (less than 500')	Information not provided.
Structural engineering tower load study for well documented tower	<p>Component Description: Analysis of the 435' Guyed Tower for WTEN, WMHT and WCWN split evenly among the 3 stations</p> <p>Amount: \$2,500.00</p> <p>Component Description: 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</p> <p>Amount: \$1,558.00</p>

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

Amount: \$600.00

Component Description: Tower climb of shared transmission tower- invoice divided by the 3 stations

Amount: \$1,558.00

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 Cost Justification
Outside Professional Services	\$315,040.00	\$242,650.00		\$102,837.21	
Travel to Transmitter School	<i>\$1,600.00</i>	\$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

In house project management and time	<i>\$90,000.00</i>	\$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.	\$71,594.42	Robert Cummings is an exempt employee and his hourly wage is predicated on 1,950 hours per year or 37.5 hours per week. Matt Sapli is an exempt employee and his hourly wage is predicated on 1,950 hours per year or 37.5 hours per week. Cuong Le is a non-ε
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 need a group PO and purchase agreement as 2 of our 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 - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$2,235.00	N/A
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, 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

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, 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
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
Sub-total	\$315,040.00	\$242,650.00	N/A	\$102,837.21	N/A
Total for all systems	\$3,494,289.60	\$2,670,973.96	N/A	\$2,125,517.39	N/A

Components

Actual Information	
Description	File Name

Travel to Transmitter School

Component Description:

Hotel and Food for Cuong Le, ET IV to be trained in our new Rhoad and Schwarz transmitter in Maryland. Tolls and Ez pass on separate invoice

Amount:

\$301.22

Component Description:

Mileage reimbursement and Ez pass toll exp for Rhoad 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

In house project management and time

Component Description: Keith Martin, a new hire, went to a CRB (Capital Region Broadcasters) meeting. CRB is our joint tower

Amount: \$57.43

Component Description: Clean up of the site by Cuong Le and Ron McGowty

Amount: \$964.48

Component Description: This invoice has never been submitted to the FCC (thought recorded as a receivable. 2 Capital Region Broadcasters (CRB) Monthly meetings

Amount: \$166.66

Component Description: Dennis Correia assisted in the removal of the combiner and filer at our site.

Amount: \$446.10

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: 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 CRB- jointly owned by all the broadcasters in the capital region

Amount: \$7,987.89

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: 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 with issues with snow removal

Amount: \$2,824.85

Component Description: Matt Saplin labor for December 2018. He works 1,950 per year. CRB is Capital Region Broadcasters

Amount: \$173.41

Component Description: This is just for the internal engineering labor for April 30th.

Amount: \$246.43

Component Description: Engineering time for the repack. Repack meetings and contractor meetings at the CRB (joint transmitter site) site.

Amount: \$961.74

Component Description: Dennis Correia continued work at the CRB for the repack ensuring that the machinery was working successfully.

Amount: \$1,354.83

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: 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: 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

Amount: \$449.46

Component Description: Cu Long ETV IV total of 100 hours at \$23.54 per hour

Amount: \$2,354.00

Component Description: all employees on one invoice per request
Amount: \$526.83

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: R&S is Rhoades and Schwarz (transmitter) training in Maryland, CRB is Capital Region Broadcasters
Amount: \$533.46

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 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: 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: Matt Saplin has been fielding phone calls, working on redesigning the mezzanine.

Amount: \$684.55

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: 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: 3/18 Internal Labor.
Continued Work at
the CRB/ Capital
Region
Broadcasters (joint
/shared tower) site-
with equipment
installs

Amount: \$10,676.54

Component Description: October 17 Internal
Labor. Meetings
with Rohde &
Schwarz- listed as
R/S meetigs

Amount: \$921.31

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: Matt Saplin is exempt-researched antenna, repack meetings, answered calls and emails- varied admin tasks

Amount: \$1,004.01

Component Description: all 3 employees on one invoice as requested

Amount: \$29,602.44

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: 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: 12/17 Internal 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: 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: 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

	<p>Component Description: Internal Labor for Feb 28, 2017. CRB LLC is the name of the Joint Tower org. that all the commercial/non-commercial are on.. Monthly and weekly meetings are scheduled. Robert Cummings is the WMHT-CRB engineering representative</p> <p>Amount: \$95.06</p>
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 -Prepare
and File FCC Form 2100
(main), License to Cover
Application

Component Description:

Emails and
dialogue between
the Attorneys and
the Station
regarding the STA
request, public file
postings and
consumer
education.

Amount:

\$399.00

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:

There are 2 sub-
totals on this sheet-
one 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

	<p>Component Description: Email interchanges, moving to main antenna, Name of firm changed, not EIN #</p> <p>Amount: \$162.00</p>
<p>Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application</p>	<p>Component Description: This invoice has includes other expenses. The television repacking expense has been segregated.</p> <p>Amount: \$351.00</p> <p>Component Description: Television Repacking Expense broken out- other expenses are on this invoice</p> <p>Amount: \$1,944.00</p> <p>Component Description: All expenses on this invoice is for the FCC Repack</p> <p>Amount: \$139.50</p> <p>Component Description: Television repacking expenses are segregated and other expenses are included</p> <p>Amount: \$117.00</p>

	<p>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.</p> <p>Amount: \$39.00</p> <p>Component Description: Television Repacking Expense is segregated from other invoice expenses.</p> <p>Amount: \$195.00</p> <p>Component Description: This invoice includes other expenses outside of the Television Repacking. The television repacking is only 975</p> <p>Amount: \$975.00</p>
<p>RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application</p>	<p>Component Description: Prepare the engineering section of FCC Form 2100</p> <p>Amount: \$2,000.00</p>

<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<p>Component Description: Engineering work on the STA/Interim Application</p> <p>Amount: \$1,500.00</p>
<p>Perform engineering study for new channel assignment and antenna development</p>	<p>Component Description: Tech Review of Transmission Plant Professional Services, and Form 2100 CP Mod ERP Reduction- Professional Services</p> <p>Amount: \$1,250.00</p>
<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<p>Information not provided.</p>
<p>Prepare and or review reimbursement form</p>	<p>Component Description: Assisting with the 4th Qtr report in the LMS system. Due to the change in the engineering staff, assistance was needed</p> <p>Amount: \$806.40</p>

Project management of the transition

Component Description:

Please delete this invoice; the full amount of this invoice including this has its own line item- thanks.

Amount:

\$2,800.00

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

Prepare engineering section of FCC Form 2100 (main), License to Cover Application

Component Description:

Engineering study work for new channel assignment and antenna development

Amount:

\$250.00

Component Description:

Prepare the technical portion of the app for license to cover CP, LMS

Amount:

\$250.00

Component Description:

Engineering study work for new channel assignment and antenna development

Amount:

\$250.00

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

Component Description: Prepare the
engineering section
of FCC Form 2100
Amount: \$125.00

Component Description: To prepare the
WMHT Channel 25
Interim /STA
Application
Amount: \$1,625.00

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

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

Component Description: Late courier billing
Amount: \$25.00

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: 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: Email exchange regarding need for an STA for reduced power

Amount: \$108.00

Component Description: Regarding transition reporting along with quarterly reporting

Amount: \$837.00

Component Description:

Invoice email
exchange with
Consulting
Engineer, Attorney
and staff regarding
WMHT STA request

Amount:

\$867.00

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$97,400.00	\$99,275.00		\$56,583.32	
Transmitter Exciter Input	<i>\$6,300.00</i>	\$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	<i>\$13,335.00</i>	\$13,335.00	1/3 of the total cost of \$40000	N/A	N/A
Mezzanine Construction	<i>\$25,000.00</i>	\$25,000.00	We needed to redesign our 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	\$24,097.08	N/A

Finance and Accounting Expense	<i>\$8,000.00</i>	\$8,000.00	To cover the salary expense for the Finance and Accounting team to handle the cost accounting and the 399 preparation for the repack	\$7,088.37	N/A
Facility Heat	<i>\$6,625.00</i>	\$6,625.00	1/3 cost of \$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 longer there	N/A	N/A
MVPD Notification of Channel Change	<i>\$8,000.00</i>	\$8,000.00	We do not know how the \$2,000 budget 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.	\$6,947.00	N/A

Develop and air announcement of upcoming channel change	<i>\$2,000.00</i>	\$2,000.00	need to let our viewers know of the channel change	\$613.31	N/A
Equipment Storage	<i>\$9,000.00</i>	\$9,000.00	We do not have any place to store the equipment as it received	\$4,797.00	N/A
Equipment Delivery and Handling Charges	<i>\$10,000.00</i>	\$10,000.00	Unknown cost at this time	\$7,613.20	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$7,500.00</i>	\$7,500.00	Unknown cost at this time	\$3,200.56	The Rohd and Schwarz invoice has been moved to a separate line item in the 399; . The correct invoice is for \$3,038.56. Once the Rhode and Schwarz invoices are deleted then this line item is no 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
Sub-total	\$97,400.00	\$99,275.00	N/A	\$56,583.32	N/A
Total for all systems	\$3,494,289.60	\$2,670,973.96	N/A	\$2,125,517.39	N/A

Components

Actual Information	
Description	File Name
Transmitter Exciter Input	<p>Component Description: Equipment to properly feed the new exciters. We will supply invoices with shipping as substantiation once the quote has been approved.</p> <p>Amount: \$6,075.00</p>
Rigging	Information not provided.

Mezzanine Construction

Component Description: This invoice has 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

Component Description: 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

Finance and Accounting Expense

Component Description: Julie Raskin and 399 work

Amount: \$252.28

Component Description: Julie Raskin, Marie McGowty, Avanti Shirali and Yvette Mitchell presented to their public media colleagues on a webinar about how to receive reimbursement from the FCC on repacking internal labor

Amount: \$193.61

Component Description: Julie Raskin and 399 Work

Amount: \$819.91

Component Description: Julie Raskin and 399 work

Amount: \$441.48

Component Description: Time Cards and 399 Work for Marie McGowty and Julie Raskin respectively

Amount: \$362.26

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: 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: 399 Assemble
packages done by
Julie Raskin;
review budget

Amount: \$46.14

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: 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: Julie Raskin and Avanti Shirali worked on internal labor invoices and admin tasks for the 399

Amount: \$180.73

Component Description: Write cover memos and assemble equipment packages for 399. Conference Call with Dielectric to discuss invoicing concerns.

Amount: \$107.67

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: 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

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: This is for the finance/accounting work done on the 399s by Julie Raskin

Amount: \$123.06

Facility Heat

Information not provided.

<p>MVPD Notification of Channel Change</p>	<p>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.</p> <p>Amount: \$3,197.00</p> <p>Component Description: Medical Notification Mailing Complete per FCC Repack</p> <p>Amount: \$3,750.00</p>
<p>Develop and air announcement of upcoming channel change</p>	<p>Component Description: To reprogram WMHT phone system to add prompts and phone tree to guide our viewers on how to rescan their TVs.</p> <p>Amount: \$380.00</p> <p>Component Description: Placing TV spots into logs for broadcast, voice overs and social media and website work</p> <p>Amount: \$233.31</p>

Equipment Storage	<p>Component Description: Pallet Jack, Load Capacity 5000 lbs Manufacturer #12U125- to move the equipment</p> <p>Amount: \$917.00</p> <p>Component Description: Storage Containers for the Repack Equipment</p> <p>Amount: \$3,880.00</p>
Equipment Delivery and Handling Charges	<p>Component Description: For moving transformer oil drums</p> <p>Amount: \$340.20</p> <p>Component Description: Rental of one four wheel drive forklift- to move all the equipment new and old for the repack</p> <p>Amount: \$1,670.00</p> <p>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.</p> <p>Amount: \$609.50</p>

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 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

Component Description: Rental of 1 four wheel drive forklift to move all the equipment new and old for the repack
Amount: \$1,450.00

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

Component Description: Needed more barrels for the used oil- purchased used barrels on line via Craig's list- no 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: 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: Please delete this line item- the entire invoice has been moved to a separate line item.

Amount: \$54,452.00

Component Description: Safe disposal of the mineral oil from Comark transmitter

Amount: \$2,813.48

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

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	<table border="0"> <tr> <td data-bbox="707 483 1015 517">Component Description:</td> <td data-bbox="1145 483 1382 674">This is the cost of retrieving a copy of the granted construction permit for the repack effort</td> </tr> <tr> <td data-bbox="707 685 818 719">Amount:</td> <td data-bbox="1145 685 1246 719">\$108.00</td> </tr> <tr> <td data-bbox="707 819 1015 853">Component Description:</td> <td data-bbox="1145 819 1382 1010">Work on license applications and canceling STA- 2 firms merged, EIN # stayed the same.</td> </tr> <tr> <td data-bbox="707 1021 818 1055">Amount:</td> <td data-bbox="1145 1021 1270 1055">\$1,470.80</td> </tr> <tr> <td data-bbox="707 1155 1015 1189">Component Description:</td> <td data-bbox="1145 1155 1382 1267">Continued work on license application for modified CP</td> </tr> <tr> <td data-bbox="707 1279 818 1312">Amount:</td> <td data-bbox="1145 1279 1246 1312">\$756.00</td> </tr> </table>	Component Description:	This is the cost of retrieving a copy of the granted construction permit for the repack effort	Amount:	\$108.00	Component Description:	Work on license applications and canceling STA- 2 firms merged, EIN # stayed the same.	Amount:	\$1,470.80	Component Description:	Continued work on license application for modified CP	Amount:	\$756.00
Component Description:	This is the cost of retrieving a copy of the granted construction permit for the repack effort												
Amount:	\$108.00												
Component Description:	Work on license applications and canceling STA- 2 firms merged, EIN # stayed the same.												
Amount:	\$1,470.80												
Component Description:	Continued work on license application for modified CP												
Amount:	\$756.00												

Cost Information **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,494,289.60	\$2,670,973.96	\$2,125,517.39

Reimbursement Status

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

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

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

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

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

Julie Raskin
*Vice
President
Finance and
Administration*

09/05/2020

Certification	Section	Question	Response
	<p>Submission of Actual Cost Documentation Statements</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"> 1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 	

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

8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

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

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

Julie Raskin
*Vice
President
Finance and
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09/05/2020

Attachments