



(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 **02/25**
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 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
	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 **New Transmission Line**
Transmission Line **Section**

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 **Other Transmission Line Expenses Not Listed**
Transmission Line **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
73264	WCWN

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

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
11970	WXXA-TV	DTV
73264	WCWN	DTV
73363	WNYT	DTV
73942	WRGB	DTV
74422	WTEN	DTV
73266	WMHT-FM	FM

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
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
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
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

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 and Schwarz invoice for the drawings created overage. I remove the Rohde and Schwarz name is in and the attachment doesn't have the info required
Other Electrical Service: Unsure of new electrical requirements	\$60,000.00	\$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 for the electrical panels and the management charges for the electrical project manager.

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 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
Sub-total	\$2,226,000.00	\$1,749,255.36	N/A	\$1,500,666.55	N/A
Total for all systems	\$3,490,789.60	\$2,655,273.96	N/A	\$2,081,634.48	N/A

Components

Actual Information	
Description	File Name
UHF inside RF system including switching	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	<div> <div> Component Description: Amount: </div> <div> 25% down payment 15.5 kW /14.5 kW of MD Transmitter System \$104,068.38 </div> </div> <div> <div> Component Description: Amount: </div> <div> 75% of the 15.5kW /14.5kW OFMD Transmitter System Interim \$312,205.13 </div> </div>

20 Ton system	<div> <div> Component Description: Amount: </div> <div> Interim Transmitter Replacement AC Unit Libert#1 - includes Labor , Materials and Subcontractors \$107,432.50 </div> </div> <div> <div> Component Description: Amount: </div> <div> N/A N/A </div> </div>
Transformer 3 phase/480v - 300 KVA	Information not provided.
Switchgear - industrial 800 amp	Information not provided.
MASK Filter	Information not provided.

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:

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

Component Description:

Detailed drawing
Package of the
WMHT Transmitter
Site

Amount:

\$15,820.74

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
30 Ton system	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
	Amount:	\$107,432.50
	Component Description:	Primary Transmitter Replacement AC Unit
	Amount:	\$107,432.50

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	\$68,029.00		\$60,641.39	
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	\$6,800.00	1/3 of the cost.	\$6,120.00	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	\$46,841.39	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
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
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$2,599.99	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
UHF “ 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

UHF – Broadband Panel, Side Mount Auxiliary /Interim, 20 horizontally polarized	\$78,069.60	\$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	\$219,898.60	N/A	\$200,082.43	N/A
Total for all systems	\$3,490,789.60	\$2,655,273.96	N/A	\$2,081,634.48	N/A

Components

Actual Information	
Description	File Name
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.

<p>Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)</p>	<table> <tr> <td data-bbox="713 100 1141 448">Component Description:</td><td data-bbox="1145 100 1426 448">2nd invoice for the Combiner and equipment for the CRB- WMHT is paying 1/3 of the 2nd 45% down for Dielectric</td></tr> <tr> <td data-bbox="713 454 1141 504">Amount:</td><td data-bbox="1145 454 1426 504">\$3,060.00</td></tr> <tr> <td data-bbox="713 571 1141 940">Component Description:</td><td data-bbox="1145 571 1426 940">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</td></tr> <tr> <td data-bbox="713 947 1141 996">Amount:</td><td data-bbox="1145 947 1426 996">\$3,060.00</td></tr> </table>	Component Description:	2nd invoice for the Combiner and equipment for the CRB- WMHT is paying 1/3 of the 2nd 45% down for Dielectric	Amount:	\$3,060.00	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
Component Description:	2nd invoice for the Combiner and equipment for the CRB- WMHT is paying 1/3 of the 2nd 45% down for Dielectric								
Amount:	\$3,060.00								
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								
<p>Combiner output splitting /switching for dual feed lines, if applicable</p>	<p>Information not provided.</p>								
<p>New combiner, cost per channel (without antenna)</p>	<table> <tr> <td data-bbox="713 1205 1141 1568">Component Description:</td><td data-bbox="1145 1205 1426 1568">Shared combiner for the shared CRB tower-45% 2nd invoice; 1/3 of the cost- stations- WMHT; WCWN, WTEN</td></tr> <tr> <td data-bbox="713 1574 1141 1624">Amount:</td><td data-bbox="1145 1574 1426 1624">\$23,420.70</td></tr> <tr> <td data-bbox="713 1691 1141 1881">Component Description:</td><td data-bbox="1145 1691 1426 1881">Shared Combiner for the joint CRB tower- invoice is 45% of the cost; our share is 1/3.</td></tr> <tr> <td data-bbox="713 1888 1141 1937">Amount:</td><td data-bbox="1145 1888 1426 1937">\$23,420.69</td></tr> </table>	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	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								
Component Description:	Shared Combiner for the joint CRB tower- invoice is 45% of the cost; our share is 1/3.								
Amount:	\$23,420.69								

Sweep test of existing antenna

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

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

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

Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	<div> Component Description: Elbow joint product 400007476 not previously invoiced </div> <div> Amount: \$7,024.00 </div>
	<div> Component Description: Product # 40001436 - 45% down </div> <div> Amount: \$3,160.80 </div>
	<div> Component Description: Product #40001436 45% down </div> <div> Amount: \$3,160.80 </div>
Sweep test of existing antenna	<div> 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. </div> <div> Amount: \$1,733.33 </div>
	<div> Component Description: WMHT Aux System Sweep Test; 3 stations on invoice- WMHT listed - which is 1 /3 of the total upon proposal acceptance </div> <div> Amount: \$866.66 </div>

Combiner output splitting /switching for dual feed lines, if applicable	<div> Component Description: Additional expense to solve the construction delays to make the 8/2 deadline </div> <div> Amount: \$24,577.51 </div> <div> Component Description: Another expense due to facility modifications necessary to meet the 8/2/19 transition deadline </div> <div> Amount: \$4,455.32 </div>
New combiner, cost per channel (without antenna)	Information not provided.
UHF “ Broadband Panel, Side Mount Auxiliary /Interim, 20 horizontally polarized	Information not provided.
UHF – Broadband Panel, Side Mount Auxiliary /Interim, 20 horizontally polarized	<div> Component Description: Part #400001434 45% down </div> <div> Amount: \$39,034.80 </div> <div> Component Description: Product 400001434 45% down </div> <div> Amount: \$39,034.80 </div>

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		\$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	\$3,490,789.60	\$2,655,273.96	N/A	\$2,081,634.48	N/A

Components

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

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

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:

2nd of 3 invoices
for the WMHT
Transmission Line
Install on the joint
CRB Tower
(Capital Region
Broadcasters)

Amount:

\$9,275.00

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:

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:

Product
300006758 45%
down; 1 penny
rounding

Amount:

\$17,547.97

Component Description:

RTLSCR3-20 45%
down

Amount:

\$1,399.28

Component Description:

Product
#300006758 45%
down.

Amount:

\$17,547.97

Component Description:

Product
#RTLSCR3-20
45% down

Amount:

\$1,399.28

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	\$3,490,789.60	\$2,655,273.96	N/A	\$2,081,634.48	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	<div> <div> Component Description: </div> <div> 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 </div> </div> <div> <div> Amount: </div> <div> \$1,558.00 </div> </div> <div> <div> Component Description: </div> <div> 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 </div> </div> <div> <div> Amount: </div> <div> \$600.00 </div> </div>

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 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		\$83,821.56	
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	\$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.	\$53,410.17	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

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	\$5,592.00	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
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	N/A	N/A
Project management of the transition	\$79,000.00	\$7,500.00	N/A	\$1,927.20	N/A
Sub-total	\$315,040.00	\$242,650.00	N/A	\$83,821.56	N/A
Total for all systems	\$3,490,789.60	\$2,655,273.96	N/A	\$2,081,634.48	N/A

Components

Actual Information
Description

File Name

Travel to Transmitter School	<div data-bbox="708 176 1378 683"> <p>Component Description: Mileage reimbursement and Ez pass toll exp for Rhoads and Schwarz transmitter school that Cuong Le, ET IV, attended in Maryland as we have a new transmitter as part of the repack</p> <p>Amount: \$441.72</p> </div> <div data-bbox="708 795 1378 1187"> <p>Component Description: Hotel and Food for Cuong Le, ET IV to be trained in our new Rhoads and Schwarz transmitter in Maryland. Tolls and Ez pass on separate invoice</p> <p>Amount: \$301.22</p> </div> <div data-bbox="708 1288 1378 1720"> <p>Component Description: Travel exp incl. mileage, tolls, food and lodging to train at Rhoads and Schwarz transmitter school- WMHT purchased a new transmitter as part of the repack</p> <p>Amount: \$783.75</p> </div>
In house project management and time	

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:	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:	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:	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:	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:	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 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 exempt-researched antenna, repack meetings, answered calls and emails- varied admin tasks
Amount:	\$1,004.01

Component Description:	R&S is Rhoad 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:	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:	all 3 employees on one invoice as requested
Amount:	\$29,602.44

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:	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:	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/non-commercial are on.. Monthly and weekly meetings are scheduled. Robert Cummings is the WMHT-CRB engineering representative
Amount:	\$95.06

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:	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:	Matt Saplin and Robert Cummings both work 1950 hours per year
Amount:	\$95.66

Component Description:	Cu Long ETV IV total of 100 hours at \$23.54 per hour
Amount:	\$2,354.00

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:	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:	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:	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
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:

Review Sinclair
changes and
finalized contract
and group PO

Amount:

\$880.00

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:

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:

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
\$270.00

Amount:

Component Description:

Email
interchanges,
moving to main
antenna, Name of
firm changed, not
EIN #
\$162.00

Amount:

Component Description:

Emails and
dialogue between
the Attorneys and
the Station
regarding the STA
request, public file
postings and
consumer
education.
\$399.00

Amount:

	<p>Component Description:</p>	<p>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</p>
	<p>Amount:</p>	<p>\$1,404.00</p>
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	<p>Component Description:</p>	<p>This invoice includes other expenses outside of the Television Repacking. The television repacking is only 975</p>
	<p>Amount:</p>	<p>\$975.00</p>
	<p>Component Description:</p>	<p>Television Repacking Expense broken out- other expenses are on this invoice</p>
	<p>Amount:</p>	<p>\$1,944.00</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.
Amount:	\$39.00

Component Description:	Television repacking expenses are segregated and other expenses are included
Amount:	\$117.00

Component Description:	Television Repacking Expense is segregated from other invoice expenses.
Amount:	\$195.00

Component Description:	This invoice has includes other expenses. The television repacking expense has been segregated.
Amount:	\$351.00

	<p>Component Description:</p> <p>All expenses on this invoice is for the FCC Repack</p> <p>Amount:</p> <p>\$139.50</p>
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<p>Component Description:</p> <p>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</p> <p>Amount:</p> <p>\$3,078.00</p> <p>Component Description:</p> <p>Email interchanges, status of construction of main antenna, receive and review letter from FCC granting extension of construction permit etc</p> <p>Amount:</p> <p>\$702.00</p> <p>Component Description:</p> <p>Invoice email exchange with Consulting Engineer, Attorney and staff regarding WMHT STA request</p> <p>Amount:</p> <p>\$867.00</p>

	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
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

<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<table> <tr> <td data-bbox="702 100 1114 533"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1114 100 1426 533"> <p>Engineering study work for new channel assignment and antenna development</p> <p>\$250.00</p> </td></tr> <tr> <td data-bbox="702 533 1114 936"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1114 533 1426 936"> <p>Engineering study work for new channel assignment and antenna development</p> <p>\$250.00</p> </td></tr> <tr> <td data-bbox="702 936 1114 1182"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1114 936 1426 1182"> <p>Prepare the technical portion of the app for license to cover CP, LMS</p> <p>\$250.00</p> </td></tr> </table>	<p>Component Description:</p> <p>Amount:</p>	<p>Engineering study work for new channel assignment and antenna development</p> <p>\$250.00</p>	<p>Component Description:</p> <p>Amount:</p>	<p>Engineering study work for new channel assignment and antenna development</p> <p>\$250.00</p>	<p>Component Description:</p> <p>Amount:</p>	<p>Prepare the technical portion of the app for license to cover CP, LMS</p> <p>\$250.00</p>
<p>Component Description:</p> <p>Amount:</p>	<p>Engineering study work for new channel assignment and antenna development</p> <p>\$250.00</p>						
<p>Component Description:</p> <p>Amount:</p>	<p>Engineering study work for new channel assignment and antenna development</p> <p>\$250.00</p>						
<p>Component Description:</p> <p>Amount:</p>	<p>Prepare the technical portion of the app for license to cover CP, LMS</p> <p>\$250.00</p>						
<p>RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application</p>	<table> <tr> <td data-bbox="702 1182 1114 1473"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1114 1182 1426 1473"> <p>Prepare the engineering section of FCC Form 2100</p> <p>\$2,000.00</p> </td></tr> </table>	<p>Component Description:</p> <p>Amount:</p>	<p>Prepare the engineering section of FCC Form 2100</p> <p>\$2,000.00</p>				
<p>Component Description:</p> <p>Amount:</p>	<p>Prepare the engineering section of FCC Form 2100</p> <p>\$2,000.00</p>						
<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="702 1473 1114 1762"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1114 1473 1426 1762"> <p>Engineering work on the STA/Interim Application</p> <p>\$1,500.00</p> </td></tr> </table>	<p>Component Description:</p> <p>Amount:</p>	<p>Engineering work on the STA/Interim Application</p> <p>\$1,500.00</p>				
<p>Component Description:</p> <p>Amount:</p>	<p>Engineering work on the STA/Interim Application</p> <p>\$1,500.00</p>						

Perform engineering study for new channel assignment and antenna development	<p>Component Description:</p> <p>Tech Review of Transmission Plant Professional Services, and Form 2100 CP Mod ERP Reduction- Professional Services</p> <p>Amount:</p> <p>\$1,250.00</p>
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Prepare and or review reimbursement form	Information not provided.
Project management of the transition	<p>Component Description:</p> <p>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.</p> <p>Amount:</p> <p>\$1,927.20</p> <p>Component Description:</p> <p>Please delete this invoice; the full amount of this invoice including this has its own line item- thanks.</p> <p>Amount:</p> <p>\$2,800.00</p>

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	\$93,900.00	\$95,775.00		\$52,277.79	
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
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	\$380.00	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

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 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

Equipment Delivery and Handling Charges	\$10,000.00	\$10,000.00	Unknown cost at this time	\$7,003.70	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
Finance and Accounting Expense	\$4,500.00	\$4,500.00	To cover the salary expense for the Finance and Accounting team to handle the cost accounting and the 399 preparation for the repack	\$3,625.65	N/A
Facility Heat	\$6,625.00	\$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	\$8,000.00	\$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
Sub-total	\$93,900.00	\$95,775.00	N/A	\$52,277.79	N/A
Total for all systems	\$3,490,789.60	\$2,655,273.96	N/A	\$2,081,634.48	N/A

Components

Actual Information	
Description	File Name

Mezzanine Construction	<div> <div> Component Description: </div> <div> This is for the construction of the Mezzanine for the combiner. This is a joint invoice with WMHT's share itemized. </div> </div> <div> Amount: </div> <div> \$21,820.28 </div> <div> Component Description: </div> <div> 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. </div> <div> Amount: </div> <div> \$676.80 </div> <div> Component Description: </div> <div> Invoice is for 1/3 of the cost for the removal of the combiner at the CRB Building </div> <div> Amount: </div> <div> \$1,600.00 </div>
Develop and air announcement of upcoming channel change	<div> <div> Component Description: </div> <div> To reprogram WMHT phone system to add prompts and phone tree to guide our viewers on how to rescan their TVs. </div> </div> <div> Amount: </div> <div> \$380.00 </div>

Equipment Storage	<div> <div>Component Description:</div> <div>Pallet Jack, Load Capacity 5000 lbs Manufacturer #12U125- to move the equipment</div> </div> <div> <div>Amount:</div> <div>\$917.00</div> </div>
	<div> <div>Component Description:</div> <div>Storage Containers for the Repack Equipment</div> </div> <div> <div>Amount:</div> <div>\$3,880.00</div> </div>
Disposal Costs (for equipment and other waste, net of any salvage value)	<div> <div>Component Description:</div> <div>Needed more barrels for the used oil- purchased used barrels on line via Craig's list- no quote available</div> </div> <div> <div>Amount:</div> <div>\$97.20</div> </div>
	<div> <div>Component Description:</div> <div>Please delete this line item; this entire invoice has been moved to a separate budget item</div> </div> <div> <div>Amount:</div> <div>\$1,900.00</div> </div>
	<div> <div>Component Description:</div> <div>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</div> </div> <div> <div>Amount:</div> <div>\$3,038.56</div> </div>

	<p>Component Description:</p> <p>Used barrels to store transmitter oil- purchased on Craig's List - no quote as this was purchased used and on-line</p> <p>Amount:</p> <p>\$64.80</p>
	<p>Component Description:</p> <p>Please delete this line item- the entire invoice has been moved to a separate line item.</p> <p>Amount:</p> <p>\$54,452.00</p>
	<p>Component Description:</p> <p>Safe disposal of the mineral oil from Comark transmitter</p> <p>Amount:</p> <p>\$2,813.48</p>
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	<div> Component Description: <p>Work on license applications and canceling STA- 2 firms merged, EIN # stayed the same.</p> </div> <div> Amount: <p>\$1,470.80</p> </div>
	<div> Component Description: <p>Continued work on license application for modified CP</p> </div> <div> Amount: <p>\$756.00</p> </div>
	<div> Component Description: <p>This is the cost of retrieving a copy of the granted construction permit for the repack effort</p> </div> <div> Amount: <p>\$108.00</p> </div>
Equipment Delivery and Handling Charges	<div> Component Description: <p>For moving transformer oil drums</p> </div> <div> Amount: <p>\$340.20</p> </div>
	<div> Component Description: <p>We needed snow removal at the site in order to receive the equipment- we had 3 noreasters in a row</p> </div> <div> Amount: <p>\$1,240.00</p> </div>
	<div> Component Description: <p>Rental of 1 four wheel drive forklift to move all the equipment new and old for the repack</p> </div> <div> Amount: <p>\$1,450.00</p> </div>

	<p>Component Description:</p> <p>Rental of one four wheel drive forklift- to move all the equipment new and old for the repack</p> <p>Amount:</p> <p>\$1,670.00</p>
	<p>Component Description:</p> <p>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</p> <p>Amount:</p> <p>\$853.50</p>
	<p>Component Description:</p> <p>Rental of 1 four wheel drive forklift to move all the equipment old and new</p> <p>Amount:</p> <p>\$1,450.00</p>
Transmitter Exciter Input	<p>Component Description:</p> <p>Equipment to properly feed the new exciters. We will supply invoices with shipping as substantiation once the quote has been approved.</p> <p>Amount:</p> <p>\$6,075.00</p>
Rigging	Information not provided.
Finance and Accounting Expense	

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:	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:	This is for the finance/accounting work done on the 399s by Julie Raskin
Amount:	\$123.06

	<p>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</p> <p>Amount: \$541.58</p> <p>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.</p> <p>Amount: \$783.57</p>
Facility Heat	Information not provided.

MVPD Notification of
Channel 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

Component Description:

Medical Notification Mailing Complete per FCC Repack

Amount:

\$3,750.00

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$3,490,789.60	\$2,655,273.96
			\$2,081,634.48

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	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.	
		<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.

	<p>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.</p>	
	<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Julie Raskin <i>Vice President Finance and Administration</i></p> <p>02/25/2020</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR 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).	
		<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.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Julie Raskin <i>Vice President Finance and Administration</i></p> <p>02/25/2020</p>

Attachments