



(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 **08/14**
Submitted: **/2019**

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
Matt Saplin <i>Chief Engineer</i> <i>WMHT Educational</i> <i>Telecommunications</i>	Matt Saplin 4 Global View Troy, NY 12180 United States	+1 (518) 880- 3472	msaplin@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
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
74422	WTEN	DTV
73266	WMHT-FM	FM
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

Other Professional Services Expenses Not Listed

Services Costs	Description
----------------	-------------

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.
Rigging	For new main combiner and transmission line
Mezzanine Construction	A mezzanine needed to be constructed to hold the multichannel combiner

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
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
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Primary Transmitter THU9evo	\$1,204,000.00	\$1,051,000.00		\$968,330.54	
MASK Filter	<i>\$31,000.00</i>	\$31,000.00	N/A	N/A	N/A

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$802,000.00	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	\$801,746.04	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 did not realize that we would have additional decommissioning expense dumps charges electrical project manager charge
30 Ton system	\$166,000.00	\$158,000.00	Existing 'custom' air conditioner will need to be removed to make room for the new equipment	\$107,432.50	Please check the transmitter which has Walters J611B with action - require more information (the second Walters) this item does not fit the category within budget and The V Co. AC cannot be approved

Sub-total	\$2,226,000.00	\$1,789,255.36	N/A	\$1,492,036.55	N/A
Total for all systems	\$3,479,989.60	\$2,542,518.96	N/A	\$1,895,927.89	N/A

Components

Actual Information Description	File Name
UHF inside RF system including switching	Information not provided.
20 Ton system	<p>Component Description: N/A</p> <p>Amount: N/A</p> <p>Component Description: Interim Transmitter Replacement AC Unit Libert#1 - includes Labor , Materials and Subcontractors</p> <p>Amount: \$107,432.50</p>
Transformer 3 phase/480v - 300 KVA	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	<p>Component Description: 25% down payment 15.5 kW /14.5 kW of MD Transmitter System</p> <p>Amount: \$104,068.38</p> <p>Component Description: 75% of the 15.5kW /14.5kW OFMD Transmitter System Interim</p> <p>Amount: \$312,205.13</p>
Switchgear - industrial 800 amp	Information not provided.

MASK Filter	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	Component Description: Amount:	75% of the payment for the 31k /W ATSC/28kw OFDM Transmitter System \$589,443.98 Detailed drawing Package of the WMHT Transmitter Site \$15,820.74 Detailed drawing - comprehensive coverage field study \$15,820.74 25% down of the main transmitter- PO and Quote also attached \$196,481.32
Other Electrical Service: Unsure of new electrical requirements	Component Description: Amount:	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 \$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	
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
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$2,599.99	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$0.00	N/A	N/A	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

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
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
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

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	\$3,479,989.60	\$2,542,518.96	N/A	\$1,895,927.89	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="1144 100 1422 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="713 452 1141 515">Amount:</td><td data-bbox="1144 452 1422 515">\$3,060.00</td></tr> <tr> <td data-bbox="713 519 1141 940">Component Description:</td><td data-bbox="1144 519 1422 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="713 945 1141 1041">Amount:</td><td data-bbox="1144 945 1422 1041">\$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 1202 1141 1545">Component Description:</td><td data-bbox="1144 1202 1422 1545">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 1550 1141 1612">Amount:</td><td data-bbox="1144 1550 1422 1612">\$23,420.70</td></tr> <tr> <td data-bbox="713 1617 1141 1881">Component Description:</td><td data-bbox="1144 1617 1422 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 1886 1141 1984">Amount:</td><td data-bbox="1144 1886 1422 1984">\$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:

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

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

UHF “ Broadband Panel, Side Mount Auxiliary /Interim, 20 horizontally polarized	Information not provided.	
Sweep test of existing antenna	<p>Component Description:</p> <p>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.</p> <p>Amount:</p> <p>\$1,733.33</p>	
	<p>Component Description:</p> <p>WMHT Aux System Sweep Test; 3 stations on invoice- WMHT listed - which is 1 /3 of the total upon proposal acceptance</p> <p>Amount:</p> <p>\$866.66</p>	
New combiner, cost per channel (without antenna)	Information not provided.	

Combiner output splitting /switching for dual feed lines, if applicable	<table> <tr> <td data-bbox="713 100 1141 526">Component Description:</td><td data-bbox="1144 100 1428 526">Another expense due to facility modifications necessary to meet the 8/2/19 transition deadline</td></tr> <tr> <td data-bbox="713 530 1141 846">Amount:</td><td data-bbox="1144 530 1428 846">\$4,455.32</td></tr> <tr> <td data-bbox="713 100 1141 846">Component Description:</td><td data-bbox="1144 100 1428 846">Additional expense to solve the construction delays to make the 8/2 deadline</td></tr> <tr> <td data-bbox="713 530 1141 846">Amount:</td><td data-bbox="1144 530 1428 846">\$24,577.51</td></tr> </table>	Component Description:	Another expense due to facility modifications necessary to meet the 8/2/19 transition deadline	Amount:	\$4,455.32	Component Description:	Additional expense to solve the construction delays to make the 8/2 deadline	Amount:	\$24,577.51				
Component Description:	Another expense due to facility modifications necessary to meet the 8/2/19 transition deadline												
Amount:	\$4,455.32												
Component Description:	Additional expense to solve the construction delays to make the 8/2 deadline												
Amount:	\$24,577.51												
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	<table> <tr> <td data-bbox="713 851 1141 1198">Component Description:</td><td data-bbox="1144 851 1428 1198">Elbow joint product 400007476 not previously invoiced</td></tr> <tr> <td data-bbox="713 1202 1141 1444">Amount:</td><td data-bbox="1144 1202 1428 1444">\$7,024.00</td></tr> <tr> <td data-bbox="713 851 1141 1444">Component Description:</td><td data-bbox="1144 851 1428 1444">Product #40001436 45% down</td></tr> <tr> <td data-bbox="713 1202 1141 1444">Amount:</td><td data-bbox="1144 1202 1428 1444">\$3,160.80</td></tr> <tr> <td data-bbox="713 851 1141 1444">Component Description:</td><td data-bbox="1144 851 1428 1444">Product # 40001436 - 45% down</td></tr> <tr> <td data-bbox="713 1202 1141 1444">Amount:</td><td data-bbox="1144 1202 1428 1444">\$3,160.80</td></tr> </table>	Component Description:	Elbow joint product 400007476 not previously invoiced	Amount:	\$7,024.00	Component Description:	Product #40001436 45% down	Amount:	\$3,160.80	Component Description:	Product # 40001436 - 45% down	Amount:	\$3,160.80
Component Description:	Elbow joint product 400007476 not previously invoiced												
Amount:	\$7,024.00												
Component Description:	Product #40001436 45% down												
Amount:	\$3,160.80												
Component Description:	Product # 40001436 - 45% down												
Amount:	\$3,160.80												

Side mount brackets for high power antennas (if not included in antenna base cost)	<div> Component Description: Freight expense- the quote did not include freight- FOB- Raymond Me on the quote </div> <div> Amount: \$638.70 </div>
	<div> Component Description: The items have been shipped. This invoice is to true up what has been quoted in this specific line item </div> <div> Amount: \$3,766.32 </div>
	<div> Component Description: 45% down on Product #400001435 </div> <div> Amount: \$5,994.00 </div>
	<div> Component Description: Product 400001435 45% down </div> <div> Amount: \$5,994.00 </div>
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	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	\$63,170.00		\$62,016.98	
Rigid Transmission Line - copper, 8 3 /16" broadband	\$0.00	\$63,170.00	existing transmission line does not support the new channel assignments, this represents 1 /3 of the cost of 189,500	\$62,016.98	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	\$105,275.00	N/A	\$99,911.48	N/A
Total for all systems	\$3,479,989.60	\$2,542,518.96	N/A	\$1,895,927.89	N/A

Components

Actual Information Description	File Name
-----------------------------------	-----------

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

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

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

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

Component Description: RTLSCR3-20
45% down
Amount: \$1,399.28

Component Description: Product
300006758 45%
down; 1 penny
rounding
Amount: \$17,547.97

Component Description: Product
#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	\$82,395.00		\$5,724.67	
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	\$5,725.00	We needed another tower climb to understand what was on our tower; hence the tower climb which increased the cost.	\$5,724.67	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	\$82,395.00	N/A	\$5,724.67	N/A

Total for all systems	\$3,479,989.60	\$2,542,518.96	N/A	\$1,895,927.89	N/A
------------------------------	----------------	----------------	-----	----------------	-----

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

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
\$1,558.00

Amount:

Component Description:

Analysis of the
435' Guyed Tower
for WTEN, WMHT
and WCWN split
evenly among the
3 stations
\$2,500.00

Amount:

Component Description:

Tower mapping of
our shared
transmission tower
/facility
\$1,666.67

Amount:

Component Description:

Tower climb of
shared
transmission
tower- invoice
divided by the 3
stations
\$1,558.00

Amount:

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	\$241,850.00		\$75,167.70	
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	\$1,803.00	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	\$5,000.00	N/A	\$1,812.00	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
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
Travel to Transmitter School	\$1,600.00	\$1,600.00	We will be sending 2 employees to this training. The first trip cost \$783.75. I assume the 2nd trip will be similarly priced.	\$1,526.69	N/A

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.	\$50,468.31	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
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,500.00	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), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$500.00	N/A
Sub-total	\$315,040.00	\$241,850.00	N/A	\$75,167.70	N/A
Total for all systems	\$3,479,989.60	\$2,542,518.96	N/A	\$1,895,927.89	N/A

Components

Actual Information	
Description	File Name
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:

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:

Review Sinclair
changes and
finalized contract
and group PO

Amount:

\$880.00

Component Description:

Draft collective
purchasing
agreement for the
shared equipment
of WMHT, WTEN
and WCWN

Amount:

\$4,800.00

Component Description:

Single invoice
review after draft of
collective
purchasing
agreement.

Amount:

\$80.00

<p>Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application</p>	<table> <tr> <td data-bbox="710 179 1013 212">Component Description:</td><td data-bbox="1150 179 1364 526">Emails and dialogue between the Attorneys and the Station regarding the STA request, public file postings and consumer education.</td></tr> <tr> <td data-bbox="710 537 813 571">Amount:</td><td data-bbox="1150 537 1244 571">\$399.00</td></tr> </table>	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:	Emails and dialogue between the Attorneys and the Station regarding the STA request, public file postings and consumer education.								
Amount:	\$399.00								
	<table> <tr> <td data-bbox="710 672 1013 705">Component Description:</td><td data-bbox="1150 672 1380 1108">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</td></tr> <tr> <td data-bbox="710 1120 813 1153">Amount:</td><td data-bbox="1150 1120 1268 1153">\$1,404.00</td></tr> </table>	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				
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>Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application</p>	<table> <tr> <td data-bbox="710 1288 1013 1321">Component Description:</td><td data-bbox="1150 1288 1340 1512">Television Repacking Expense is segregated from other invoice expenses.</td></tr> <tr> <td data-bbox="710 1523 813 1556">Amount:</td><td data-bbox="1150 1523 1244 1556">\$195.00</td></tr> </table> <table> <tr> <td data-bbox="710 1668 1013 1702">Component Description:</td><td data-bbox="1150 1668 1340 1892">Television Repacking Expense broken out- other expenses are on this invoice</td></tr> <tr> <td data-bbox="710 1904 813 1937">Amount:</td><td data-bbox="1150 1904 1268 1937">\$1,944.00</td></tr> </table>	Component Description:	Television Repacking Expense is segregated from other invoice expenses.	Amount:	\$195.00	Component Description:	Television Repacking Expense broken out- other expenses are on this invoice	Amount:	\$1,944.00
Component Description:	Television Repacking Expense is segregated from other invoice expenses.								
Amount:	\$195.00								
Component Description:	Television Repacking Expense broken out- other expenses are on this invoice								
Amount:	\$1,944.00								

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

Component Description:	This invoice includes other expenses outside of the Television Repacking. The television repacking is only 975
Amount:	\$975.00

Component Description:	Television repacking expense is segregated from the other expenses in this invoice. Only requesting \$39.00. EIN # changed due to change in corporate structure. New W-9 attached along with discussion.
Amount:	\$39.00

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

	<p>Component Description: All expenses on this invoice is for the FCC Repack</p> <p>Amount: \$139.50</p>
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<p>Component Description: Invoice email exchange with Consulting Engineer, Attorney and staff regarding WMHT STA request</p> <p>Amount: \$867.00</p> <p>Component Description: Regarding transition reporting along with quarterly reporting</p> <p>Amount: \$837.00</p> <p>Component Description: Email exchange regarding need for an STA for reduced power</p> <p>Amount: \$108.00</p>

<p>RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application</p>	<table> <tr> <td data-bbox="702 174 1015 210">Component Description:</td><td data-bbox="1147 174 1374 327">To prepare the WMHT Channel 25 Interim /STA Application</td></tr> <tr> <td data-bbox="702 338 815 367">Amount:</td><td data-bbox="1147 338 1267 367">\$1,625.00</td></tr> <tr> <td data-bbox="702 477 1015 512">Component Description:</td><td data-bbox="1147 477 1374 703">To prepare a Channel 25/STA /interim antenna request due to post transition construction delays</td></tr> <tr> <td data-bbox="702 714 815 743">Amount:</td><td data-bbox="1147 714 1267 743">\$1,500.00</td></tr> <tr> <td data-bbox="702 853 1015 889">Component Description:</td><td data-bbox="1147 853 1374 1079">Prepare the technical portion of the FCC Form 2100, Channel 25 Auxiliary Antenna application</td></tr> <tr> <td data-bbox="702 1090 815 1120">Amount:</td><td data-bbox="1147 1090 1246 1120">\$500.00</td></tr> <tr> <td data-bbox="702 1229 1015 1265">Component Description:</td><td data-bbox="1147 1229 1374 1339">Prepare the engineering section of FCC Form 2100</td></tr> <tr> <td data-bbox="702 1350 815 1379">Amount:</td><td data-bbox="1147 1350 1246 1379">\$125.00</td></tr> </table>	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	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																
Component Description:	Prepare the engineering section of FCC Form 2100																
Amount:	\$125.00																
<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>Information not provided.</p>																

Project management of the transition	<div data-bbox="710 174 1380 604"> <p>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.</p> </div> <div data-bbox="710 616 1268 649"> <p>Amount: \$1,927.20</p> </div> <div data-bbox="710 757 1380 981"> <p>Component Description: Please delete this invoice; the full amount of this invoice including this has its own line item- thanks.</p> </div> <div data-bbox="710 992 1268 1025"> <p>Amount: \$2,800.00</p> </div>
--------------------------------------	--

Travel to Transmitter School	<div data-bbox="708 176 1374 566"> <p>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</p> <p>Amount: \$301.22</p> </div> <div data-bbox="708 674 1374 1104"> <p>Component Description: Travel exp incl. mileage, tolls, food and lodging to train at Rhoad and Schwarz transmitter school- WMHT purchased a new transmitter as part of the repack</p> <p>Amount: \$783.75</p> </div> <div data-bbox="708 1211 1374 1720"> <p>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</p> <p>Amount: \$441.72</p> </div>
In house project management and time	

Component Description:	Matt Saplin labor for December 2018. He works 1,950 per year. CRB is Capital Region Broadcasters
Amount:	\$173.41

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

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

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:	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:	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:	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:	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:	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:	6/17 Internal Labor. CRB or Capital Region Broadcasters is the name of the LLC of the shared tower of all the broadcasters in our local area. Meetings with vendors are common due to the repack and purchase of equip.
Amount:	\$1,959.98

Component Description:	11/17 Internal Labor. R&S or R/S is Rohde & Schwarz; CRB is the joint tower; Dielectric & PCI vendors
Amount:	\$3,343.26

Component Description:	all 3 employees on one invoice as requested
Amount:	\$29,602.44

Component Description:	9/17 Internal Labor- CRB is the joint/shared tower for all the broadcasters. Monthly, weekly and even daily meetings due to the repack. Matthew Saplin is the Assistant Chief Engineer.
Amount:	\$2,607.45

Component Description:	4/30/17 Internal Labor. CRB is the shared tower that all the broadcasters are on. Weekly and monthly meetings due to repack issues. WMHT, WTEN and WCWN are 3 stations that are being repacked in the same phase.
Amount:	\$1,389.50

	<p>Component Description: all employees on one invoice per request</p> <p>Amount: \$526.83</p>
	<p>Component Description: Cu Long ETV IV total of 100 hours at \$23.54 per hour</p> <p>Amount: \$2,354.00</p>
Perform engineering study for new channel assignment and antenna development	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<p>Component Description: Engineering work on the STA/Interim Application</p> <p>Amount: \$1,500.00</p>
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	<p>Component Description: Prepare the engineering section of FCC Form 2100</p> <p>Amount: \$2,000.00</p>

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:

Engineering study
work for new
channel
assignment and
antenna
development

Amount:

\$250.00

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	\$83,100.00	\$83,045.00		\$23,005.06	
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	\$676.80	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

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
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
Rigging	\$13,335.00	\$13,335.00	1/3 of the total cost of \$40000	N/A	N/A
Equipment Storage	\$9,000.00	\$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	\$10,000.00	\$10,000.00	Unknown cost at this time	\$7,003.70	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	\$1,070.00	N/A	N/A	N/A
Sub-total	\$83,100.00	\$83,045.00	N/A	\$23,005.06	N/A
Total for all systems	\$3,479,989.60	\$2,542,518.96	N/A	\$1,895,927.89	N/A

Components

Actual Information		
Description	File Name	
Mezzanine Construction	<p>Component Description:</p> <p>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.</p> <p>Amount:</p> <p>\$676.80</p>	
Develop and air announcement of upcoming channel change	<p>Component Description:</p> <p>To reprogram WMHT phone system to add prompts and phone tree to guide our viewers on how to rescan their TVs.</p> <p>Amount:</p> <p>\$380.00</p>	

MVPD Notification of Channel Change	<div> 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. </div> <div> Amount: \$3,197.00 </div>
	<div> Component Description: Medical Notification Mailing Complete per FCC Repack </div> <div> Amount: \$3,750.00 </div>
Facility Heat	Information not provided.
Rigging	Information not provided.
Equipment Storage	<div> Component Description: Pallet Jack, Load Capacity 5000 lbs Manufacturer #12U125- to move the equipment </div> <div> Amount: \$917.00 </div> <div> Component Description: Storage Containers for the Repack Equipment </div> <div> Amount: \$3,880.00 </div>
Equipment Delivery and Handling Charges	<div> Component Description: For moving transformer oil drums </div> <div> Amount: \$340.20 </div>

	Component Description:	Rental of 1 four wheel drive forklift to move all the equipment new and old for the repack
	Amount:	\$1,450.00
	Component Description:	Rental of 1 four wheel drive forklift to move all the equipment old and new
	Amount:	\$1,450.00
	Component Description:	Rental of one four wheel drive forklift- to move all the equipment new and old for the repack
	Amount:	\$1,670.00
	Component Description:	Rental of a fork-lift to move the new and old equipment at the site. Needed additional time due to the delivery of a transmitter cabinet
	Amount:	\$853.50
	Component Description:	We needed snow removal at the site in order to receive the equipment- we had 3 noreasters in a row
	Amount:	\$1,240.00
Disposal Costs (for equipment and other waste, net of any salvage value)		

Component Description:	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- the entire invoice has been moved to a separate line item.
Amount:	\$54,452.00

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; this entire invoice has been moved to a separate budget item
Amount:	\$1,900.00

	Component Description:	This for the expense of the safe disposal of the mineral oil from our Comark transmitter beam supply transformers- please delete other Safety - Kleen component
	Amount:	\$3,038.56
	Component Description:	Safe disposal of the mineral oil from Comark transmitter
	Amount:	\$2,813.48
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.	

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$3,479,989.60	\$2,542,518.96	\$1,895,927.89

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

Certification	Section	Question	Response
	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>VP Finance and Administration</i></p> <p>08/14/2019</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<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.

<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>08/14/2019</p>

Attachments