



(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 **11/29**  
Submitted: **/2018**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>WMHT EDUCATIONAL TELECOMMUNICATIONS</b> 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
<b>Robert Cummings</b> <i>Director of Technology WMHT Educational Telecommunications</i>	Robert Cummings 4 Global View Troy, NY 12180 United States	+1 (518) 880- 3474	bcummings@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
<b>Existing Transmitter Description</b>	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	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
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Heating and Cooling
	Size	30 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

**Primary Transmitter**

**Other Transmitter Cost Not Listed**

Name	Description
<b>MASK Filter</b>	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
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Heating and Cooling
	Size	20 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
<b>Inside RF System</b>	Is an additional interior RF system required to support this interim transmitter?	Yes

**Interim Transmitter**      **Other Transmitter Cost Not Listed**  
Information not provided.

**Antennas**

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

**Primary  
Antenna****Existing Antenna Information**

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

**Primary  
Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Combiner for Shared Antenna</b>	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
<b>Existing Antenna Description</b>	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
<b>Existing Antenna Manufacturer and Type</b>	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
<b>Combiner for Shared Antenna</b>	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
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	6 1/8 inches inches

<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

## 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
<b>New Transmission Line Costs</b>	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
<b>Existing Transmission Line Description</b>	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	Yes
	Is Transmission Line in operating condition?	Yes
<b>Existing Transmission Line Manufacturer and Type</b>	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
74422	WTEN
11970	WXXA-TV

73264	WCWN
73942	WRGB

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
73264	WCWN	DTV
11970	WXXA-TV	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
<b>Outside Project Management Services</b>	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)
<b>Outside RF consulting Engineering Services</b>	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
<b>Attorney and Other Outside Consulting Services</b>	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
<b>RF Field Engineering Services</b>	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 Other Professional Services Expenses Not Listed**

<b>Professional Services Costs</b>	
<b>Name</b>	<b>Description</b>
<b>In house project management and time</b>	Unable to hire a consultant for the repack so we are doing the project management and work in house

## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	No
<b>Permit and Filing Costs</b>	Local Zoning	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
<b>Other Miscellaneous Expenses</b>	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

**Other  
Expenses**

**Other Expenses Not Listed**

Name	Description
<b>Rigging</b>	For new main combiner and transmission line
<b>Facility Heat</b>	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.

## Cost Information

### Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Interim Transmitter THUevo</b>	<b>\$1,022,000.00</b>	<b>\$738,255.36</b>		<b>\$523,706.01</b>	
UHF inside RF system including switching	\$147,500.00	\$140,000.00	N/A	\$0.00	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$416,955.36	Interim transmitter needed to stay on the air while main transmitter replaced and transmission line /combiner replaced, tested, etc.	\$416,273.51	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	N/A	N/A
20 Ton system	\$115,500.00	\$110,000.00	N/A	\$107,432.50	N/A
<b>Primary Transmitter THU9evo</b>	<b>\$1,204,000.00</b>	<b>\$1,051,000.00</b>		<b>\$968,330.54</b>	

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 n item for th When we origin: budgetin did not re that we v have al decommis expense dumps charges electrical j manage charg
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 Rohc Schwarz i for the de drawings: created overage. I remove th Rohde Schwarz name is in and tl attachn doesn't ha info requ
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 c the trans: which ha Walters J611B wi action - r more infor (the sec Walters) this item d the categ within bu and The V Co. AC c appro

MASK Filter	<b>\$31,000.00</b>	\$31,000.00	N/A	N/A	N/A
<b>Sub-total</b>	\$2,226,000.00	\$1,789,255.36	N/A	\$1,492,036.55	N/A
<b>Total for all systems</b>	\$4,225,389.60	\$2,460,803.96	N/A	\$1,719,521.10	N/A

## Components

Actual Information	
Description	File Name
UHF inside RF system including switching	Information not provided.
Switchgear - industrial 800 amp	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	<div> <b>Component Description:</b> 25% down payment 15.5 kW /14.5 kW of MD Transmitter System </div> <div> <b>Amount:</b> \$104,068.38 </div> <div> <b>Component Description:</b> 75% of the 15.5kW /14.5kW OFMD Transmitter System Interim </div> <div> <b>Amount:</b> \$312,205.13 </div>
Transformer 3 phase/480v - 300 KVA	Information not provided.



20 Ton system	<div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> N/A  N/A </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> Interim Transmitter Replacement AC Unit Libert#1 - includes Labor , Materials and Subcontractors  \$107,432.50 </div> </div>
Other Electrical Service: Unsure of new electrical requirements	<div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> 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 </div> </div>

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW		
	<b>Component Description:</b>	Detailed drawing
		Package of the
		WMHT Transmitter
		Site
	<b>Amount:</b>	\$15,820.74
	<b>Component Description:</b>	25% down of the
		main transmitter-
		PO and Quote also
		attached
	<b>Amount:</b>	\$196,481.32
	<b>Component Description:</b>	Detailed drawing -
		comprehensive
		coverage field study
	<b>Amount:</b>	\$15,820.74
	<b>Component Description:</b>	75% of the
		payment for the 31k
		/W ATSC/28kw
		OFDM Transmitter
		System
	<b>Amount:</b>	\$589,443.98

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

## Cost Information

### Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Primary Antenna TUD-05-12 /60H-1-B</b>	<b>\$1,019,140.00</b>	<b>\$61,470.00</b>		<b>\$5,760.00</b>	
UHF - High Power Top Mount (200-1000 kW), Four Station broadband panel antenna, horizontally polarized	\$778,000.00	\$0.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$2,135.00	1/3 of the cost of \$6400	\$5,760.00	The estimate was for 30% down, this invoice is for 45% down
New combiner, cost per channel (without antenna)	\$84,200.00	\$53,335.00	1/3 of the cost	N/A	N/A
Combiner output splitting /switching for dual feed lines, if applicable	\$126,000.00	\$0.00	N/A	N/A	N/A

Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	\$18,950.00	\$6,000.00	1/3 of the cost of \$18,000	N/A	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$0.00	N/A	N/A	N/A
<b>Auxiliary Antenna TU Deltastar</b>	<b>\$339,109.60</b>	<b>\$111,813.60</b>		<b>\$98,979.19</b>	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
UHF â€“ Broadband Panel, Side Mount Auxiliary /Interim, 20 horizontally polarized	<b>\$2,000.00</b>	\$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	\$0.00	N/A	N/A	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$7,024.00	required as per RF sweep	\$6,321.60	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$13,320.00	required for new side mount aux antenna	\$11,988.00	N/A

UHF – Broadband Panel, Side Mount Auxiliary /Interim, 20 horizontally polarized	<b>\$78,069.60</b>	\$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
<b>Sub-total</b>	\$1,358,249.60	\$173,283.60	N/A	\$104,739.19	N/A
<b>Total for all systems</b>	\$4,225,389.60	\$2,460,803.96	N/A	\$1,719,521.10	N/A

## Components

Actual Information	
Description	File Name
UHF - High Power Top Mount (200-1000 kW), Four Station broadband panel antenna, horizontally polarized	Information not provided.

Sweep test of existing antenna	<div> <div> <b>Component Description:</b> 45% of the Repack Sweep includes 1 Field Engineer on-Site for the Day, Travel, Expenses and Report </div> <div> <b>Amount:</b> \$2,880.00 </div> </div> <div> <div> <b>Component Description:</b> Repack Sweep includes 1 Field Engineer on site for 1 day, travel expenses and report 45% down </div> <div> <b>Amount:</b> \$2,880.00 </div> </div>
New combiner, cost per channel (without antenna)	Information not provided.
Combiner output splitting /switching for dual feed lines, if applicable	Information not provided.
Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	Information not provided.
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
UHF 48" Broadband Panel, Side Mount Auxiliary /Interim, 20 horizontally polarized	Information not provided.



Sweep test of existing antenna	<div data-bbox="719 174 1369 645"> <p><b>Component Description:</b> 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><b>Amount:</b> \$1,733.33</p> </div> <div data-bbox="719 757 1374 1104"> <p><b>Component Description:</b> WMHT Aux System Sweep Test; 3 stations on invoice- WMHT listed - which is 1 /3 of the total upon proposal acceptance</p> <p><b>Amount:</b> \$866.66</p> </div>
New combiner, cost per channel (without antenna)	Information not provided.
Combiner output splitting /switching for dual feed lines, if applicable	Information not provided.
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	<div data-bbox="719 1512 1353 1664"> <p><b>Component Description:</b> Product # 40001436 - 45% down</p> <p><b>Amount:</b> \$3,160.80</p> </div> <div data-bbox="719 1771 1353 1924"> <p><b>Component Description:</b> Product #40001436 45% down</p> <p><b>Amount:</b> \$3,160.80</p> </div>

<p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<table> <tr> <td data-bbox="711 109 1145 286"> <p><b>Component Description:</b></p> </td><td data-bbox="1145 109 1428 286"> <p>45% down on Product #400001435</p> </td></tr> <tr> <td data-bbox="711 286 1145 398"> <p><b>Amount:</b></p> </td><td data-bbox="1145 286 1428 398"> <p>\$5,994.00</p> </td></tr> <tr> <td data-bbox="711 398 1145 555"> <p><b>Component Description:</b></p> </td><td data-bbox="1145 398 1428 555"> <p>Product 400001435 45% down</p> </td></tr> <tr> <td data-bbox="711 555 1145 645"> <p><b>Amount:</b></p> </td><td data-bbox="1145 555 1428 645"> <p>\$5,994.00</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>45% down on Product #400001435</p>	<p><b>Amount:</b></p>	<p>\$5,994.00</p>	<p><b>Component Description:</b></p>	<p>Product 400001435 45% down</p>	<p><b>Amount:</b></p>	<p>\$5,994.00</p>
<p><b>Component Description:</b></p>	<p>45% down on Product #400001435</p>								
<p><b>Amount:</b></p>	<p>\$5,994.00</p>								
<p><b>Component Description:</b></p>	<p>Product 400001435 45% down</p>								
<p><b>Amount:</b></p>	<p>\$5,994.00</p>								
<p>UHF – Broadband Panel, Side Mount Auxiliary /Interim, 20 horizontally polarized</p>	<table> <tr> <td data-bbox="711 656 1145 833"> <p><b>Component Description:</b></p> </td><td data-bbox="1145 656 1428 833"> <p>Product 400001434 45% down</p> </td></tr> <tr> <td data-bbox="711 833 1145 945"> <p><b>Amount:</b></p> </td><td data-bbox="1145 833 1428 945"> <p>\$39,034.80</p> </td></tr> <tr> <td data-bbox="711 945 1145 1102"> <p><b>Component Description:</b></p> </td><td data-bbox="1145 945 1428 1102"> <p>Part #400001434 45% down</p> </td></tr> <tr> <td data-bbox="711 1102 1145 1153"> <p><b>Amount:</b></p> </td><td data-bbox="1145 1102 1428 1153"> <p>\$39,034.80</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>Product 400001434 45% down</p>	<p><b>Amount:</b></p>	<p>\$39,034.80</p>	<p><b>Component Description:</b></p>	<p>Part #400001434 45% down</p>	<p><b>Amount:</b></p>	<p>\$39,034.80</p>
<p><b>Component Description:</b></p>	<p>Product 400001434 45% down</p>								
<p><b>Amount:</b></p>	<p>\$39,034.80</p>								
<p><b>Component Description:</b></p>	<p>Part #400001434 45% down</p>								
<p><b>Amount:</b></p>	<p>\$39,034.80</p>								

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		\$0.00	
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	N/A	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	\$37,894.50	N/A
Total for all systems	\$4,225,389.60	\$2,460,803.96	N/A	\$1,719,521.10	N/A

Components

Actual Information Description	File Name
Rigid Transmission Line - copper, 8 3/16" broadband	Information not provided.

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

**Component Description:**

Product  
300006758 45%  
down; 1 penny  
rounding

**Amount:**

\$17,547.97

**Component Description:**

Product  
#RTLSCR3-20  
45% down

**Amount:**

\$1,399.28

**Component Description:**

Product  
#300006758 45%  
down.

**Amount:**

\$17,547.97

**Component Description:**

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
<b>Primary Tower TOWER</b>	<b>\$254,800.00</b>	<b>\$82,395.00</b>		<b>\$5,724.67</b>	
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.
<b>Sub-total</b>	<b>\$254,800.00</b>	<b>\$82,395.00</b>	N/A	<b>\$5,724.67</b>	N/A

<b>Total for all systems</b>	\$4,225,389.60	\$2,460,803.96	N/A	\$1,719,521.10	N/A
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## Components

<b>Actual Information</b>	
<b>Description</b>	<b>File Name</b>
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	\$313,440.00	\$237,750.00		\$64,124.93	
In house project management and time	<i>\$90,000.00</i>	\$90,000.00	As we were unable to hire a consultant, this project is taking many more hours than we originally budgeted. This reforecast should take us to the end of the project.	\$49,378.43	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-e
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 needed 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 Nexstar and Sinclair 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	\$1,404.00	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	\$837.00	N/A
Project management of the transition	\$79,000.00	\$7,500.00	N/A	\$0.00	Please delete this invoice. This invoice has its own budget now so this portion can be deleted thanks.
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	N/A	N/A

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	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
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$125.00	N/A
<b>Sub-total</b>	\$313,440.00	\$237,750.00	N/A	\$64,124.93	N/A
<b>Total for all systems</b>	\$4,225,389.60	\$2,460,803.96	N/A	\$1,719,521.10	N/A

## Components

Actual Information Description	File Name
In house project	

<b>Component Description:</b>	3/18 Internal Labor. Continued Work at the CRB/ Capital Region Broadcasters (joint /shared tower) site- with equipment installs
<b>Amount:</b>	\$10,676.54

<b>Component Description:</b>	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.
<b>Amount:</b>	\$890.33

<b>Component Description:</b>	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.
<b>Amount:</b>	\$1,959.98

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

<b>Component Description:</b>	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
<b>Amount:</b>	\$2,824.85

<b>Component Description:</b>	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.
<b>Amount:</b>	\$3,022.58

<b>Component Description:</b>	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.
<b>Amount:</b>	\$810.45

<b>Component Description:</b>	October 17 Internal Labor. Meetings with Rohde & Schwarz- listed as R/S meetigs
<b>Amount:</b>	\$921.31

<b>Component Description:</b>	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.
<b>Amount:</b>	\$1,114.41

<b>Component Description:</b>	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
<b>Amount:</b>	\$3,973.71

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

**Amount:** \$2,607.45

**Component Description:** all 3 employees on one invoice as requested

**Amount:** \$29,602.44

**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:** 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

<b>Component Description:</b>	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.
<b>Amount:</b>	\$1,389.50

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

<b>Component Description:</b>	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
<b>Amount:</b>	\$95.06

<b>Component Description:</b>	all employees on one invoice per request
<b>Amount:</b>	\$526.83



	<b>Component Description:</b>	5/18 Internal Labor. Rohde & Schwarz installs, Dielectric delivery all at the CRB-Capital Region Broadcasters joint /shared tower.
	<b>Amount:</b>	\$1,968.17
	<b>Component Description:</b>	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.
	<b>Amount:</b>	\$8,594.96
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:**

Review Sinclair  
changes and  
finalized contract  
and group PO  
\$880.00

**Amount:**

**Component Description:**

Single invoice  
review after draft  
of collective  
purchasing  
agreement.

**Amount:**

\$80.00

**Component Description:**

Reviewing the  
engineers  
regarding the  
collective  
purchasing  
agreement

**Amount:**

\$80.00

**Component Description:**

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

**Amount:**

\$4,800.00

**Component Description:**

fees are for  
drafting a PO and  
agreement for all  
our shared  
equipment to be  
repacked We-  
WMHT, WTEN  
and WCWN are  
owners of the  
Capital Region  
Broadcasters LLC  
(aka CRB).

**Amount:**

\$280.00

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	<b>Component Description:</b>	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
	<b>Amount:</b>	\$1,404.00
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	<b>Component Description:</b>	All expenses on this invoice is for the FCC Repack
	<b>Amount:</b>	\$139.50
	<b>Component Description:</b>	Television Repacking Expense broken out- other expenses are on this invoice
	<b>Amount:</b>	\$1,944.00
	<b>Component Description:</b>	This invoice includes other expenses outside of the Television Repacking. The television repacking is only 975
	<b>Amount:</b>	\$975.00

**Component Description:**

Television  
repacking  
expenses are  
segregated and  
other expenses  
are included

**Amount:**

\$117.00

**Component Description:**

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

**Amount:**

\$39.00

**Component Description:**

This invoice has  
includes other  
expenses. The  
television  
repacking expense  
has been  
segregated.

**Amount:**

\$351.00

**Component Description:**

Television  
Repacking  
Expense is  
segregated from  
other invoice  
expenses.

**Amount:**

\$195.00

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<p><b>Component Description:</b></p> <p>Regarding transition reporting along with quarterly reporting</p> <p><b>Amount:</b></p> <p>\$837.00</p>
Project management of the transition	<p><b>Component Description:</b></p> <p>Please delete this invoice; the full amount of this invoice including this has its own line item- thanks.</p> <p><b>Amount:</b></p> <p>\$2,800.00</p>
Prepare and or review reimbursement form	Information not provided.
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Perform engineering study for new channel assignment and antenna development	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	<p><b>Component Description:</b></p> <p>Prepare the engineering section of FCC Form 2100</p> <p><b>Amount:</b></p> <p>\$2,000.00</p>

<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<table> <tr> <td data-bbox="713 174 1023 210"><b>Component Description:</b></td><td data-bbox="1155 174 1366 405">Engineering study work for new channel assignment and antenna development</td></tr> <tr> <td data-bbox="713 416 823 452"><b>Amount:</b></td><td data-bbox="1155 416 1251 452">\$250.00</td></tr> <tr> <td data-bbox="713 555 1023 591"><b>Component Description:</b></td><td data-bbox="1155 555 1366 786">Engineering study work for new channel assignment and antenna development</td></tr> <tr> <td data-bbox="713 797 823 833"><b>Amount:</b></td><td data-bbox="1155 797 1251 833">\$250.00</td></tr> </table>	<b>Component Description:</b>	Engineering study work for new channel assignment and antenna development	<b>Amount:</b>	\$250.00	<b>Component Description:</b>	Engineering study work for new channel assignment and antenna development	<b>Amount:</b>	\$250.00
<b>Component Description:</b>	Engineering study work for new channel assignment and antenna development								
<b>Amount:</b>	\$250.00								
<b>Component Description:</b>	Engineering study work for new channel assignment and antenna development								
<b>Amount:</b>	\$250.00								
<p>RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application</p>	<table> <tr> <td data-bbox="713 965 1023 1001"><b>Component Description:</b></td><td data-bbox="1155 965 1331 1120">Prepare the engineering section of FCC Form 2100</td></tr> <tr> <td data-bbox="713 1131 823 1167"><b>Amount:</b></td><td data-bbox="1155 1131 1251 1167">\$125.00</td></tr> </table>	<b>Component Description:</b>	Prepare the engineering section of FCC Form 2100	<b>Amount:</b>	\$125.00				
<b>Component Description:</b>	Prepare the engineering section of FCC Form 2100								
<b>Amount:</b>	\$125.00								

## Cost Information

### Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Other Expenses</b>	<b>\$52,100.00</b>	<b>\$52,045.00</b>		<b>\$15,001.26</b>	
Facility Heat	<i>\$6,625.00</i>	\$6,625.00	1/3 cost of \$19,875 for new facility heat system, shared cost with WTEN and WCWN. Due to heat for the facility was being supplied by the old tube transmitters excess heat which are no longer there	N/A	N/A
Rigging	<i>\$13,335.00</i>	\$13,335.00	1/3 of the total cost of \$40000	N/A	N/A
MVPD Notification of Channel Change	<i>\$2,000.00</i>	\$2,000.00	N/A	N/A	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	N/A	N/A

Equipment Storage	<b>\$9,000.00</b>	\$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	<b>\$10,000.00</b>	\$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)	<b>\$7,500.00</b>	\$7,500.00	Unknown cost at this time	\$3,200.56	The Rohde 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
<b>Sub-total</b>	\$52,100.00	\$52,045.00	N/A	\$15,001.26	N/A
<b>Total for all systems</b>	\$4,225,389.60	\$2,460,803.96	N/A	\$1,719,521.10	N/A

## Components

Actual Information	
Description	File Name
Facility Heat	Information not provided.
Rigging	Information not provided.
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	<div> <b>Component Description:</b> Pallet Jack, Load Capacity 5000 lbs  Manufacturer #12U125- to move the equipment  <b>Amount:</b> \$917.00 </div> <div> <b>Component Description:</b> Storage Containers for the Repack Equipment  <b>Amount:</b> \$3,880.00 </div>
Equipment Delivery and Handling Charges	<div> <b>Component Description:</b> For moving transformer oil drums  <b>Amount:</b> \$340.20 </div>

	<b>Component Description:</b>	Rental of 1 four wheel drive forklift to move all the equipment new and old for the repack
	<b>Amount:</b>	\$1,450.00
	<b>Component Description:</b>	Rental of 1 four wheel drive forklift to move all the equipment old and new
	<b>Amount:</b>	\$1,450.00
	<b>Component Description:</b>	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
	<b>Amount:</b>	\$853.50
	<b>Component Description:</b>	We needed snow removal at the site in order to receive the equipment- we had 3 noreasters in a row
	<b>Amount:</b>	\$1,240.00
	<b>Component Description:</b>	Rental of one four wheel drive forklift- to move all the equipment new and old for the repack
	<b>Amount:</b>	\$1,670.00
Disposal Costs (for equipment and other waste, net of any salvage value)		

<b>Component Description:</b>	Used barrels to store transmitter oil- purchased on Craig's List - no quote as this was purchased used and on-line
<b>Amount:</b>	\$64.80

<b>Component Description:</b>	Please delete this line item- the entire invoice has been moved to a separate line item.
<b>Amount:</b>	\$54,452.00

<b>Component Description:</b>	Safe disposal of the mineral oil from Comark transmitter
<b>Amount:</b>	\$2,813.48

<b>Component Description:</b>	Please delete this line item; this entire invoice has been moved to a separate budget item
<b>Amount:</b>	\$1,900.00

<b>Component Description:</b>	Needed more barrels for the used oil- purchased used barrels on line via Craig's list- no quote available
<b>Amount:</b>	\$97.20

	<p><b>Component Description:</b></p> <p>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</p> <p><b>Amount:</b></p> <p>\$3,038.56</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	Information not provided.

**Cost  
Information**

**Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$4,225,389.60	\$2,460,803.96	\$1,719,521.10

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

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

<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><b>Julie Raskin</b>  <i>Vice  President  Finance and  Administration</i></p> <p>11/29/2018</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"> <li>1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

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

<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><b>Julie Raskin</b>  <i>Vice  President  Finance and  Administration</i></p> <p>11/29/2018</p>

## Attachments