



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **4318** | Service: **DTV** | Call **WNMU** | Channel: **8 (High VHF)**
ID: | Sign:
File **0000026956**
Number:
FRN: **0002735751** | Date **08/24**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
BOARD OF TRUSTEES, NORTHERN MICHIGAN UNIVERSITY Doing Business As: BOARD OF TRUSTEES, NORTHERN MICHIGAN UNIVERSITY	Mr. Eric Smith WNMU (TV) 1401 PRESQUE ISLE DRIVE MARQUETTE, MI 49855 United States	+1 (906) 227- 1314	esmith@nmu. edu	Government Entity

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
Benjamin Pidek <i>Consulting Engineer</i> <i>Mid-State</i> <i>Consultants</i>	6197 Miller Rd., Suite 1 Swartz Creek, MI 48473 United States	+1 (810) 226- 0750	bpidek@mscon. com

**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.	No
Briefly describe transition plan	WNMU must replace its main and auxiliary antenna and main and auxiliary transmitter in order to move it its new channel. See attached narrative for a more detailed explanation.

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	Platinum PTCD10P1i
	Year	2009
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	2.26 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?	No
	Manufacturer	
	Model	VAXTE-4
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	2.8 kW
	Justification for New Transmitter	Current transmitter is no longer supported by the manufacturer except for maintenance. Available parts are in limited supply and in some cases are no longer available. Manufacturer says it cannot be re-tuned.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes

	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Necessary conduit, wiring and fuse disconnects as quoted by electrical contractor.
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	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
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Transmitter Bldg. Rearrangement

Equipment racks will need to be moved in the transmitter building in order to make space for the new transmitter. HVAC ducting will also need to be rerouted.

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	Purchase New
	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?	No
	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	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)	15.4 kW

Manufacturer	
Model	ATW9V3- HTO-13-R
Year	2009

**Primary
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	15.6 kW
	Manufacturer	
Model	THV-9A8-R	

Year	2019
Justification for New Antenna	Existing main antenna is a coaxial slot antenna that is channel specific and cannot be reused on the new channel.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	4 1/16 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	

Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary
Antenna**

Other Antenna Cost Not Listed

Information not provided.

**Interim
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	8
	Lower Limit	174.00 MHz
	Upper Limit	216.00 MHz
	Design power capacity in use	20.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	20.0 kW
	Manufacturer	
	Model	TLS-V8BB
	Year	2019

Justification for New Antenna	WNMU will need an interim facility for operation while it changes out the antenna on the main facility. Lower mounting on the tower requires higher ERP antenna in order to replicate coverage.
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Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Interim 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?

Primary Transmission Line **Add Transmission Line**

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Primary (Main)
	Description of Use	N/A
	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	ERI
	Type	Rigid
	Diameter	Other
	Other Diameter	4 inches
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1030 feet per run

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

Name	Description
Primary Line - Additional Transmission Line Parts	Additional parts needed in order to reuse existing line

Interim Transmission Line **New Transmission Line**

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Flexible Air
	Diameter	3 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	1
	Length	1000 feet per run

Justification for New Transmission Line

WNMU has been assigned Phase 9 for construction which will be during the winter months in Michigan. It will need to construct the new facility in the previous year and will need trans line for the interim facility while it waits for its testing date.

Interim **Other Transmission Line Expenses Not Listed**
Transmission information not provided.
Line

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

Add 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?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1023010
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	46° 21' 10.0" N-
	Longitude (NAD83)	087° 51' 15.0" W-
	Overall Structure Height	1100.71 feet
	Support Structure Height	999.99 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1499.98 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	BOARD OF TRUSTEES OF NORTHERN MICHIGAN UNIVERSITY DBA = WNMU TV FM
Date Constructed	10/09/1972

**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
49572	WNMU-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:	Major Reinforcements needed

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A

Helicopter Services Required	Are helicopter services required?	Yes
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Primary Tower

Other Tower Expenses Not Listed

Name	Description
PE Review of Rigging Plan	Professional Engineering review of proposed rigging plan as required by ANSI /ASEE A10.48 and ANSI/TIA 322 standards.
Interim Antenna Rigging	Rigging necessary for installation of interim antenna and transmission line.

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	595
	Explanation	WNMU requires the aid of outside project management services in order to fulfill the requirements of the repack. WNMU does not have sufficient resource capacity and expertise in house to handle reimbursement related tasks
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	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1

	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	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	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	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A

Justification

N/A

**Outside
Professional
Services
Costs**

Other Professional Services Expenses Not Listed

Name	Description
Site Survey	GatesAir performed a site survey to access changes to facility as necessary to transition to new channel including, power and HVAC requirements, available transmitter room space and existing antenna and transmission line RF characteristics at new channel.

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?	Yes
Permit and Filing Costs	Local Zoning	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	No
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?	No
	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
Performance Bond	NMU typically follows AIA contract guidelines which requires on a project of this magnitude that construction bonds be required as part of the bid process. Bonds are necessary to ensure project completion and to protect necessary down payments.
Employee Time, Travel and Per Diem	Time and travel expenses needed by NMU employees to work on the transition to a new channel.

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
Primary Transmitter VAXTE-4	\$250,700.00	\$241,300.00		\$35,170.17	
Other Electrical Service: Necessary conduit, wiring and fuse disconnects as quoted by electrical contractor.	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Transmitter Bldg. Rearrangement	<i>\$50,000.00</i>	\$50,000.00	N/A	N/A	N/A
High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW	\$152,500.00	\$145,000.00	N/A	\$35,170.17	N/A
Sub-total	\$250,700.00	\$241,300.00	N/A	\$35,170.17	N/A
Total for all systems	\$2,020,573.75	\$1,951,654.75	N/A	\$380,063.21	N/A

Components

Actual Information Description	File Name
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<p>Other Electrical Service: Necessary conduit, wiring and fuse disconnects as quoted by electrical contractor.</p>	<p>Information not provided.</p>	
<p>Switchgear - industrial 800 amp</p>	<p>Information not provided.</p>	
<p>Transmitter Bldg. Rearrangement</p>	<p>Information not provided.</p>	
<p>High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW</p>	<p>Component Description:</p> <p>Amount:</p>	<p>Downpayment only for channel 8 transmitter \$35,170.17</p>

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
Interim Antenna TLS-V8BB	\$106,730.00	\$106,400.00		\$36,105.30	
High VHF - High Power Side Mount One Station horizontally polarized	<i>\$100,000.00</i>	\$100,000.00	N/A	\$33,225.30	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$2,880.00	N/A
Primary Antenna THV-9A8-R	\$341,300.00	\$340,696.00		\$125,701.20	
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	\$9,570.00	\$9,296.00	Please see Dielectric quote 700079CMZ-1, plus actual shipping costs on invoices	\$4,183.20	N/A
High VHF - High Power Top Mount One Station horizontally polarized	<i>\$325,000.00</i>	\$325,000.00	N/A	\$118,638.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$2,880.00	N/A

Sub-total	\$448,030.00	\$447,096.00	N/A	\$161,806.50	N/A
Total for all systems	\$2,020,573.75	\$1,951,654.75	N/A	\$380,063.21	N/A

Components

Actual Information	
Description	File Name
High VHF - High Power Side Mount One Station horizontally polarized	<p>Component Description: WNMU-280-Interim Antenna - High VHF High Power Side Mount Single Station, H-POL</p> <p>Amount: \$33,225.30</p>
Sweep test of existing antenna	<p>Component Description: WNMU-280-Interim Antenna - Sweep Test</p> <p>Amount: \$2,880.00</p>
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	<p>Component Description: WNMU-210-Primary Antenna - Elbow Complex</p> <p>Amount: \$4,183.20</p>
High VHF - High Power Top Mount One Station horizontally polarized	<p>Component Description: UHF - High Power Top Mount</p> <p>Amount: \$118,638.00</p>
Sweep test of existing antenna	<p>Component Description: WNMU-210-Primary Antenna - Sweep Test</p> <p>Amount: \$2,880.00</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
Interim Transmission Line	\$59,000.00	\$40,880.00		\$18,168.61	
Flexible Air Transmission Line - dielectric, 3"	\$59,000.00	\$40,880.00	N/A	\$18,168.61	N/A
Primary Transmission Line	\$11,854.75	\$11,854.75		\$5,334.63	
Primary Line - Additional Transmission Line Parts	<i>\$11,854.75</i>	\$11,854.75	Please see Dielectric quote 700079CMZ-1, plus actual shipping costs on invoices	\$5,334.63	N/A
Sub-total	\$70,854.75	\$52,734.75	N/A	\$23,503.24	N/A
Total for all systems	\$2,020,573.75	\$1,951,654.75	N/A	\$380,063.21	N/A

Components

Actual Information	
Description	File Name

<p>Flexible Air Transmission Line - dielectric, 3"</p>	<p>Component Description: WNMU-380-Interim Transmission Line - 3" Flexible Air Dielectric</p> <p>Amount: \$18,168.61</p>
<p>Primary Line - Additional Transmission Line Parts</p>	<p>Component Description: WNMU-310-Primary Transmission Line - Additional Transmission Line Parts</p> <p>Amount: \$5,334.63</p>

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	\$866,350.00	\$834,250.00		\$150,229.20	
PE Review of Rigging Plan	<i>\$7,500.00</i>	\$7,500.00	N/A	N/A	N/A
Interim Antenna Rigging	<i>\$100,000.00</i>	\$100,000.00	N/A	N/A	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	\$10,500.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	\$59,104.20	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	\$46,200.00	N/A
Tower Helicopter Lift	<i>\$114,750.00</i>	\$114,750.00	Please see WNMU FDH Infrastructure Services, LLC quote P18_231409_001A	\$34,425.00	N/A
Sub-total	\$866,350.00	\$834,250.00	N/A	\$150,229.20	N/A
Total for all systems	\$2,020,573.75	\$1,951,654.75	N/A	\$380,063.21	N/A

Components

Actual Information	
Description	File Name
PE Review of Rigging Plan	Information not provided.
Interim Antenna Rigging	Information not provided.
Structural engineering tower load study for well documented tower	<p>Component Description: STNLSA STNL Structural Analysis Amount: \$2,750.00</p> <p>Component Description: 001 Engineering Amount: \$2,500.00</p> <p>Component Description: STNLSA STNL Structural Analysis Amount: \$2,750.00</p> <p>Component Description: 002 Engineering Amount: \$2,500.00</p>
Major tower reinforcement /modifications	<p>Component Description: WNMU-410- Existing Primary Tower - Major Tower Reinforcement /Modifications Amount: \$59,104.20</p>
Tall Tower (greater than 500')	<p>Component Description: WNMU-410- Existing Primary Tower - Tower Rigging, Tall Tower Amount: \$46,200.00</p>

Tower Helicopter Lift	Component Description: STNLCN STNL Construction Amount: \$34,425.00
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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	\$148,440.00	\$148,625.00		\$9,354.10	
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$1,125.00	N/A
Project management of the transition	\$94,010.00	\$99,675.00	Please see attached Widely Strategics Support Quote	\$4,779.10	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Site Survey	<i>\$15,300.00</i>	\$15,300.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	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	\$900.00	Please see WNMU Negotiation of Lease and Other Matters Budget Revision Justification Letter	\$900.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$1,500.00	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	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	\$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	\$300.00	N/A
Sub-total	\$148,440.00	\$148,625.00	N/A	\$9,354.10	N/A
Total for all systems	\$2,020,573.75	\$1,951,654.75	N/A	\$380,063.21	N/A

Components

Actual Information		
Description	File Name	
Perform engineering study for new channel assignment and antenna development	Component Description:	WNMU-530-RF Eng - Engineering Study for New Channel Assignment
	Amount:	\$675.00
	Component Description:	FCC Repack of WNMU
	Amount:	\$450.00

Project management of the transition	<p>Component Description: Main and Interim Antenna Construction Planning/Timing and Status Review</p> <p>Amount: \$450.00</p> <p>Component Description: 4/2/19 Office</p> <p>Amount: \$3,579.10</p> <p>Component Description: Review and Response to Dielectric Questions Regarding Main and Interim Antennas</p> <p>Amount: \$225.00</p> <p>Component Description: Repack Status Review and Conference Call</p> <p>Amount: \$300.00</p> <p>Component Description: Review of Stainless Tower Study and Discussion on Results with NMU</p> <p>Amount: \$225.00</p>
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Site Survey	Information not provided.
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.

ASR modification (prepare FCC Form 854)	Information not provided.																				
Attorney Fees - Negotiation of lease and other matters for shared locations	<table border="0"> <tr> <td data-bbox="703 286 1011 322">Component Description:</td> <td data-bbox="1145 286 1294 360">Professional Services</td> </tr> <tr> <td data-bbox="703 367 815 403">Amount:</td> <td data-bbox="1145 367 1246 403">\$300.00</td> </tr> <tr> <td data-bbox="703 506 1011 542">Component Description:</td> <td data-bbox="1145 506 1294 580">Professional Services</td> </tr> <tr> <td data-bbox="703 586 815 622">Amount:</td> <td data-bbox="1145 586 1246 622">\$100.00</td> </tr> <tr> <td data-bbox="703 725 1011 761">Component Description:</td> <td data-bbox="1145 725 1294 799">Professional Services</td> </tr> <tr> <td data-bbox="703 806 815 842">Amount:</td> <td data-bbox="1145 806 1246 842">\$200.00</td> </tr> <tr> <td data-bbox="703 945 1011 981">Component Description:</td> <td data-bbox="1145 945 1294 1019">Professional Services</td> </tr> <tr> <td data-bbox="703 1025 815 1061">Amount:</td> <td data-bbox="1145 1025 1246 1061">\$100.00</td> </tr> <tr> <td data-bbox="703 1164 1011 1200">Component Description:</td> <td data-bbox="1145 1164 1294 1238">Professional Services</td> </tr> <tr> <td data-bbox="703 1245 815 1281">Amount:</td> <td data-bbox="1145 1245 1246 1281">\$200.00</td> </tr> </table>	Component Description:	Professional Services	Amount:	\$300.00	Component Description:	Professional Services	Amount:	\$100.00	Component Description:	Professional Services	Amount:	\$200.00	Component Description:	Professional Services	Amount:	\$100.00	Component Description:	Professional Services	Amount:	\$200.00
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Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.																				

<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<p>Component Description: WNMU-550-Attorney - Construction Permit Application (Main)</p> <p>Amount: \$100.00</p> <p>Component Description: Professional Services</p> <p>Amount: \$600.00</p> <p>Component Description: Professional Services</p> <p>Amount: \$800.00</p>
<p>Prepare request for Special Temporary Authorization</p>	<p>Information not provided.</p>
<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<p>Information not provided.</p>
<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<p>Component Description: FCC Repack of WNMU</p> <p>Amount: \$750.00</p>
<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<p>Information not provided.</p>

Prepare and or review
reimbursement form

Component Description: Professional
Services
Amount: \$100.00

Component Description: Attorney Prepare
and Review
Reimbursement
Form
Amount: \$100.00

Component Description: WNMU-590-
Prepare/Review
Reimbursement
Form
Amount: \$100.00

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	\$236,199.00	\$227,649.00		\$0.00	
Employee Time, Travel and Per Diem	<i>\$109,045.00</i>	\$109,045.00	N/A	N/A	N/A
Equipment Storage	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$20,000.00</i>	\$20,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$3,000.00	N/A	N/A	N/A
Performance Bond	<i>\$83,104.00</i>	\$83,104.00	N/A	N/A	N/A
MVPD Notification of Channel Change	<i>\$2,500.00</i>	\$2,500.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Sub-total	\$236,199.00	\$227,649.00	N/A	\$0.00	N/A
Total for all systems	\$2,020,573.75	\$1,951,654.75	N/A	\$380,063.21	N/A

Components

Information not provided.

Cost Information **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,020,573.75	\$1,951,654.75	\$380,063.21

Reimbursement Status

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

Certification	Section	Question	Response
	<p>Submission of Estimated Expenses Statements</p>	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. 	

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

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

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

**Eric L
Smith**
*General
Manager*

08/24/2020

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.

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

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

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

**Eric L
Smith**
*General
Manager*

08/24/2020

Attachments