

(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 **05/17** 

Submitted: /2021

# Applicant Information

#### **Applicant Name, Type, and Contact Information**

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

# Reimbursement Contact Name and Information Reimbursement Contact Information

| Applicant      | Address | Phone | Email |
|----------------|---------|-------|-------|
| [Confidential] |         |       |       |

#### Preparer Contact Information

#### **Preparer Contact Name and Information**

| Applicant  | Address  | Phone                 | Email                |
|--|--|-----------------------|----------------------|
| Benjamin Pidek Consulting Engineer Mid-State Consultants | 6197 Miller Rd., Suite 1<br>Swartz Creek, MI<br>48473<br>United States | +1 (810) 226-<br>0750 | bpidek@mscon.<br>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<br>New       |
|                                  | Use  | Primary<br>(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   |                       |
| Manufacturer and Type            | Model  | Platinum<br>PTCD10P1i |
|                                  | Year   | 2009                  |
|                                  | Туре   | 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<br>(Main)   |
|                 | Change Type                               | Purchase<br>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      |
|                    |                                       |          |

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|-------------|
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|             |
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|             |
| i<br>i      |

### Primary Transmitter

### **Other Transmitter Cost Not Listed**

| Nan | ne | Description |
|-----|----|-------------|
|     |    |             |

| <b>Transmitter Bldg</b> | . 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      |

### **Existing Antenna Information**

| Section                                | Question   | Response           |
|--|--|--------------------|
| Existing Antenna Description           | Type of change   | Purchase<br>New    |
|  | Antenna Use  | Primary<br>(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         |
|  | Туре   | Slotted<br>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-<br>HTO-13-R |
| Year         | 2009                |

#### **New Antenna Costs**

| Section                               | Question   | Response           |
|---------------------------------------|--|--------------------|
| New Antenna Description               | Use  | Primary<br>(Main)  |
|                                       | Description of Use   | N/A                |
|                                       | Change Type  | Purchase<br>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<br>Manufacturer and Types | Class  | Full Power         |
|                                       | Mounting   | Top Mount          |
|                                       | Antenna position in stack  | Not in Stack       |
|                                       | Polarization   | Horizontal         |
|                                       | Туре   | Slotted<br>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. |
|                               |   |

#### **Other Antenna Costs**

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

| 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 |

### **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<br>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             | Class  | Full Power        |
| Manufacturer and Type   | Mounting   | Side Mount        |
|                         | Antenna position in stack  | Not in Stack      |
|                         | Polarization   | Horizontal        |
|                         | Туре   | Broadband<br>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              |

#### 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 Seffien               | Question  | Response |
|------------------------------------|---|----------|
| Transmission Line Related Expenses | Do you have transmission line related expenses? | Yes      |

# Primary Transmission

### **Add Transmission Line**

| Section  | Question   | Response             |
|--|--|----------------------|
| Existing Transmission Line Description           | Type of change   | Utilize<br>Existing  |
|  | Use  | Primary<br>(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                  |
|  | Туре   | 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<br>per run |

# Primary Transmissi

# Other Transmission Line Expenses Not Listed

| sioı | Naine  | Description   |  |
|------|--|---|--|
|      | Primary Line - Additional Transmission<br>Line Parts | Additional parts needed in order to reuse existing line |  |
|      | Primary Transmission Line - Dehydrator               | Primary Transmission Line - Dehydrator                  |  |

#### Interim Transmission

### **New Transmission Line**

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

| Justification for New Transmission Line | WNMU has       |
|---|----------------|
| JUSTINGATION FOR TRANSPORTED LINE       | 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.          |
|   |                |

# Other Transmission Line Expenses Not Listed

#### Interim Transmiss

| sior | Name  | Description                                      |
|------|---|--|
|      | Interim Transmission Line-Nitrogen<br>Regulator Kit | Interim Transmission Line-Nitrogen Regulator Kit |

#### Tower Equipment And Rigging Costs

| Section                                     | Question  | Response |
|---|---|----------|
| Tower Equipment or<br>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<br>Existing   |
|   | Tower Use   | Primary<br>(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                            | Do you have a tower registration number?                | Yes                  |
| Registration  | ASR Number  | 1023010              |
| Coordinates (NAD83 ( North American Datum of 1983)) | Latitude (NAD83)  | 46° 21' 10.0<br>N-   |
|   | Longitude (NAD83)                                       | 087° 51'<br>15.0" W- |
|   | Overall Structure Height                                | 1100.71 fee          |
|   | Support Structure Height                                | 999.99 feet          |
|   | Ground Elevation Above Mean Sea Level (AMSL)            | 1499.98 fee          |

| Structure Type   | TOWER -<br>Free<br>Standing or<br>Guyed<br>Structure                                       |
|------------------|--|
| Tower Owner      | BOARD OF<br>TRUSTEES<br>OF<br>NORTHERN<br>MICHIGAN<br>UNIVERSITY<br>DBA =<br>WNMU TV<br>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<br>Reinforcements<br>needed |

#### Primary Tower

#### **Tower Rigging Costs**

| Section             | Question      | Response |
|---------------------|---------------|----------|
| Tower Rigging Costs | Complex Tower | N/A      |

| Helicopter Services | Are helicopter services required? | Yes |
|---------------------|-----------------------------------|-----|
| Required            |                                   |     |

## Primary Tower

# Other Tower Expenses Not Listed

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

### Outside Professional

| Section  | Question   | Response  |
|--|--|---|
| Services Costs<br>Outside Project<br>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<br>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 | Prepare and file Form FCC Construction Permit Application                                  | Yes |
| Services                              | 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<br>Services      | Comprehensive coverage verification via field study  | Yes |
|                                       | RF exposure measurements   | No  |
|                                       | Additional Field Engineering Service   | Yes |
|                                       | Number of Days   | 26  |
|                                       |  |     |

| Justification | Installation, |
|---------------|---------------|
|               | testing, and  |
|               | other field   |
|               | engineering   |
|               | work required |
|               | for repack    |
|               |               |

#### Outside Professional

# Other Professional Services Expenses Not Listed

| al Services Costs | 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<br>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<br>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  |
|------------------------------------|--|
| 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<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification   | Actual Cost  | Actual Cost<br>Justification |
|--|--------------------------------|-------------------|--|--------------|------------------------------|
| Primary<br>Transmitter<br>VAXTE-4  | \$270,950.00                   | \$279,382.27      |  | \$150,475.36 |                              |
| Transmitter Bldg. Rearrangement  | \$50,000.00                    | \$50,000.00       | N/A  | \$98.76      | N/A                          |
| Switchgear -<br>industrial 800<br>amp  | \$38,200.00                    | \$36,300.00       | N/A  | N/A          | N/A                          |
| 5 Ton system   | \$20,250.00                    | \$38,082.27       | Please see Estimated Cost Justification WNMU- 110-1st Primary Transmitter - 5 Ton System HVAC v0 | \$34,305.32  | N/A                          |
| Other Electrical Service: Necessary conduit, wiring and fuse disconnects as quoted by electrical contractor. | \$10,000.00                    | \$10,000.00       | N/A  | \$5,445.00   | N/A                          |
| High VHF - Air<br>Cooled Solid<br>State<br>Transmitter<br>1.1 . 4.4 kW                                       | \$152,500.00                   | \$145,000.00      | N/A  | \$110,626.28 | N/A                          |
| Sub-total  | \$270,950.00                   | \$279,382.27      | N/A  | \$150,475.36 | N/A                          |

| Total for all | \$2,164,343.64 | \$2,030,438.31 | N/A | \$1,214,909.62 | N/A |
|---------------|----------------|----------------|-----|----------------|-----|
| systems       |                |                |     |                |     |

### Components

| Actual Information Description     | File Name                       |  |
|------------------------------------|---------------------------------|--|
| Transmitter Bldg.<br>Rearrangement | Component Description:  Amount: | LOC TITE FOAM GPS AND CRCKS 12-OZ \$4.00         |
|                                    | Component Description:  Amount: | Invoice moved to correct budget category.        |
|                                    | Component Description:  Amount: | Invoice moved to correct budget category.        |
|                                    | Component Description:          | Invoice moved to 1st Primary Transmitter - Other |
|                                    | Amount:                         | Electrical Service<br>Category<br>N/A            |
|                                    | Component Description:  Amount: | Invoice moved to correct budget category. N/A    |
|                                    | Component Description:          | SKELETON 100Z<br>CAULK GUN DRIP<br>FREE 3        |
|                                    | Amount:                         | \$94.76  |

| Switchgear - industrial 800<br>amp                  | Information not provided. |                         |
|---|---------------------------|-------------------------|
| 5 Ton system  |                           |                         |
|   | Component Description:    | Demo existing           |
|   |                           | three supply            |
|   | Amount:                   | \$23,082.27             |
|   | Component Description:    | Key pick up             |
|   | Amount:                   | \$2,223.05              |
|   | Component Description:    | HVAC                    |
|   | Amount:                   | \$9,000.00              |
|   | Component Description:    | HVAC                    |
|   | Amount:                   | \$3,500.00              |
| Other Electrical Service: Necessary conduit, wiring |                           |                         |
| and fuse disconnects as                             | Component Description:    | Electrical for HVAC     |
| quoted by electrical                                |                           | and Television          |
| contractor.   | Amount:                   | equipment<br>\$1,945.00 |
|   | Amount.                   | ψ1, <del>24</del> 0.00  |
|   | Component Description:    | ELY Township            |
|   |                           | Tower Site              |
|   | Amount:                   | \$3,500.00              |

High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW

**Component Description:** A. Transmitter **Amount:** \$35,170.15

Component Description: VAXTE-4R44

Transmitter per Quote Q-81435

**Amount:** \$40,285.96

Component Description: Downpayment only

for channel 8

transmitter \$35,170.17

Amount:

# **Cost Information**

#### **Antennas**

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

| Description   | Predetermined<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification   | Actual Cost  | Actual Cost<br>Justification |
|---|--------------------------------|-------------------|--|--------------|------------------------------|
| Interim<br>Antenna<br>TLS-V8BB  | \$106,730.00                   | \$106,400.00      |  | \$77,148.13  |                              |
| High VHF -<br>High<br>Power<br>Side Mount<br>One<br>Station<br>horizontally<br>polarized                  | \$100,000.00                   | \$100,000.00      | N/A  | \$70,748.13  | N/A                          |
| Sweep test of existing antenna  | \$6,730.00                     | \$6,400.00        | N/A  | \$6,400.00   | N/A                          |
| Primary<br>Antenna<br>THV-9A8-R   | \$341,300.00                   | \$340,696.00      |  | \$277,259.18 |                              |
| Elbow<br>complex,<br>single<br>channel, at<br>antenna<br>input, per 4<br>1/16.<br>feedline (if<br>needed) | \$9,570.00                     | \$9,296.00        | Please see Dielectric quote 700079CMZ- 1, plus actual shipping costs on invoices | \$9,231.10   | N/A                          |
| Sweep test of existing antenna  | \$6,730.00                     | \$6,400.00        | N/A  | \$6,400.00   | N/A                          |
| High VHF -<br>High<br>Power Top<br>Mount One<br>Station<br>horizontally<br>polarized                      | \$325,000.00                   | \$325,000.00      | N/A  | \$261,628.08 | N/A                          |

| Sub-total                   | \$448,030.00   | \$447,096.00   | N/A | \$354,407.31   | N/A |
|-----------------------------|----------------|----------------|-----|----------------|-----|
| Total for<br>all<br>systems | \$2,164,343.64 | \$2,030,438.31 | N/A | \$1,214,909.62 | N/A |

### Components

| Actual Information Description  | File Name              |   |
|---|------------------------|---|
| High VHF - High Power Side<br>Mount One Station<br>horizontally polarized | Component Description: | WNMU-280-<br>Interim Antenna -                |
|   |                        | High VHF High Power Side                      |
|   | Amount:                | Mount Single<br>Station, H-POL<br>\$33,225.30 |
|   | Amount.                | ψου,ΖΖΟ.Ου                                    |
|   | Component Description: | WNMU-280-<br>Interim Antenna -                |
|   |                        | High VHF High                                 |
|   |                        | Power Side<br>Mount Single                    |
|   | Amount:                | Station, H-POL<br>\$30,724.43                 |
|   |                        | , ,   |
|   | Component Description: | WNMU-280-                                     |
|   |                        | Interim Antenna -<br>High VHF High            |
|   |                        | Power Side                                    |
|   |                        | Mount Single                                  |
|   |                        | Station, H-POL                                |
|   | Amount:                | \$6,798.40                                    |

| antenna  | Component Description: | WNMU-280-                      |
|--|------------------------|--------------------------------|
|  |                        | Interim Antenna -              |
|  |                        | Sweep Test                     |
|  | Amount:                | \$2,880.00                     |
|  | Component Description: | WNMU-280-                      |
|  |                        | Interim Antenna -              |
|  |                        | Sweep Test                     |
|  | Amount:                | \$640.00                       |
|  | Component Description: | WNMU-280-                      |
|  |                        | Interim Antenna -              |
|  |                        | Sweep Test                     |
|  | Amount:                | \$2,880.00                     |
| Elbow complex, single                                  |                        |                                |
| channel, at antenna input,<br>per 4 1/16. feedline (if | Component Description: | WNMU-210-                      |
| needed)  |                        | Primary Antenna -              |
| necuca)  |                        | Elbow Complex                  |
|  | Amount:                | \$4,183.20                     |
|  | Component Description: | WNMU-210-                      |
|  |                        | Primary Antenna -              |
|  |                        | Elbow Complex                  |
|  | Amount:                | \$4,154.30                     |
|  |                        |                                |
|  | Component Description: | WNMU-210-                      |
|  | Component Description: | WNMU-210-<br>Primary Antenna - |
|  | Component Description: |                                |

| Sweep test of existing antenna |                        |                   |
|--------------------------------|------------------------|-------------------|
| and mid                        | Component Description: | WNMU-210-         |
|                                |                        | Primary Antenna - |
|                                |                        | Sweep Test        |
|                                | Amount:                | \$2,880.00        |
|                                | Component Description: | WNMU-210-         |
|                                |                        | Primary Antenna - |
|                                |                        | Sweep Test        |
|                                | Amount:                | \$2,880.00        |
|                                | Component Description: | WNMU-210-         |
|                                |                        | Primary Antenna - |
|                                |                        | Sweep Test        |
|                                | Amount:                | \$640.00          |
| High VHF - High Power Top      |                        |                   |
| Mount One Station              | Component Description: | UHF HIGH          |
| horizontally polarized         |                        | POWER TOP         |
|                                |                        | MOUNT             |
|                                | Amount:                | \$117,742.08      |
|                                | Component Description: | UHF - HIGH        |
|                                | Component Becompacin.  | POWER TOP         |
|                                |                        | MOUNT             |
|                                | Amount:                | \$25,248.00       |
|                                |                        | . ,               |
|                                | Component Description: | UHF - High Power  |
|                                |                        | Top Mount         |
|                                | Amount:                | \$118,638.00      |

# **Cost Information**

#### **Transmission Line**

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

|  |                             |                   | Estimated  |             |                              |
|--|-----------------------------|-------------------|--|-------------|------------------------------|
| Description  | Predetermined Cost Estimate | Estimated<br>Cost | Cost<br>Justification  | Actual Cost | Actual Cost<br>Justification |
| Interim<br>Transmission<br>Line                          | \$59,415.55                 | \$41,760.62       |  | \$41,760.62 |                              |
| Interim Transmission Line-Nitrogen Regulator Kit         | \$415.55                    | \$415.55          | Please see WNMU Interim Transmission Line- Nitrogen Regulator Kit Budget Revision Justification Letter | \$415.55    | N/A                          |
| Flexible Air<br>Transmission<br>Line -<br>dielectric, 3" | \$59,000.00                 | \$41,345.07       | Estimated Cost Justification WNMU-380- Interim Transmission Line - 3 Flexible Air Dielectric V0        | \$41,345.07 | N/A                          |
| Primary<br>Transmission<br>Line                          | \$14,907.87                 | \$14,907.87       |  | \$13,438.73 |                              |
| Primary<br>Transmission<br>Line -<br>Dehydrator          | \$3,053.12                  | \$3,053.12        | Please see RF Specialities proposal RFMQ26482 and email justification                                  | \$3,053.12  | N/A                          |

| Primary Line - Additional Transmission Line Parts | \$11,854.75    | \$11,854.75    | Please see Dielectric quote 700079CMZ- 1, plus actual shipping costs on invoices | \$10,385.61    | N/A |
|---|----------------|----------------|--|----------------|-----|
| Sub-total   | \$74,323.42    | \$56,668.49    | N/A  | \$55,199.35    | N/A |
| Total for all systems                             | \$2,164,343.64 | \$2,030,438.31 | N/A  | \$1,214,909.62 | N/A |

# Components

| Actual Information Description                       | File Name              |                           |
|--|------------------------|---------------------------|
| Interim Transmission Line-<br>Nitrogen Regulator Kit | Component Description: | Nitrogen Regulator<br>Kit |
|  | Amount:                | \$415.55                  |

| Flexible Air Transmission   |                               |                   |
|-----------------------------|-------------------------------|-------------------|
| Line - dielectric, 3"       | <b>Component Description:</b> | WNMU-380-         |
|                             |                               | Interim           |
|                             |                               | Transmission Line |
|                             |                               | - 3" Flexible Air |
|                             |                               | Dielectric        |
|                             | Amount:                       | \$18,168.61       |
|                             | Component Description:        | OTHER             |
|                             | Amount:                       | \$2,632.00        |
|                             | Component Description:        | WNMU-380-         |
|                             |                               | Interim           |
|                             |                               | Transmission Line |
|                             |                               | - 3" Flexible Air |
|                             |                               | Dielectric        |
|                             | Amount:                       | \$16,821.98       |
|                             | Component Description:        | WNMU-380-         |
|                             |                               | Interim           |
|                             |                               | Transmission Line |
|                             |                               | - 3" Flexible Air |
|                             | Amount                        | Dielectric        |
|                             | Amount:                       | \$3,722.48        |
| Primary Transmission Line - |                               |                   |
| Dehydrator                  | <b>Component Description:</b> | TSI WDH2-5U-15-   |
|                             |                               | 120 Waveguide     |
|                             | Amount:                       | \$3,053.12        |

Primary Line - Additional Transmission Line Parts

Component Description: WNMU-310-

Primary

Transmission Line

- Additional

Transmission Line

Parts

**Amount:** \$1,996.70

Component Description: WNMU-310-

Primary

Transmission Line

- Additional

Transmission Line

Parts

**Amount:** \$3,054.28

Component Description: WNMU-310-

Primary

Transmission Line

- Additional

Transmission Line

Parts

**Amount:** \$5,334.63

# **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<br>Cost | Estimated Cost Justification   | Actual Cost    | Actual C |
|--|-----------------------------|-------------------|--|----------------|----------|
| Primary<br>Tower<br>TOWER  | \$866,350.00                | \$834,250.00      |  | \$495,469.00   |          |
| Interim<br>Antenna<br>Rigging  | \$100,000.00                | \$100,000.00      | N/A  | \$125.00       | N/A      |
| PE Review<br>of Rigging<br>Plan  | \$7,500.00                  | \$7,500.00        | N/A  | N/A            | N/A      |
| Major tower reinforcement /modifications   | \$421,000.00                | \$400,000.00      | N/A  | \$197,014.00   | N/A      |
| Structural<br>engineering<br>tower load<br>study for well<br>documented<br>tower | \$12,600.00                 | \$12,000.00       | N/A  | \$12,000.00    | N/A      |
| Tall Tower<br>(greater than<br>500')   | \$210,500.00                | \$200,000.00      | N/A  | \$171,580.00   | N/A      |
| Tower<br>Helicopter Lift   | \$114,750.00                | \$114,750.00      | Please see WNMU FDH Infrastructure Services, LLC quote P18_231409_001A | \$114,750.00   | N/A      |
| Sub-total  | \$866,350.00                | \$834,250.00      | N/A  | \$495,469.00   | N/A      |
| Total for all systems  | \$2,164,343.64              | \$2,030,438.31    | N/A  | \$1,214,909.62 | N/A      |

## Components

| Actual Information Description              | File Name                      |   |
|---|--------------------------------|---|
| Interim Antenna Rigging                     | Component Description: Amount: | Regular Portable<br>Toilet<br>\$125.00                                      |
| PE Review of Rigging Plan                   | Information not provided.      |   |
| Major tower reinforcement<br>/modifications | Component Description:         | WNMU-410- Existing Primary Tower - Major Tower Reinforcement /Modifications |
|   | Amount:                        | \$118,208.40  |
|   | Component Description:         | WNMU-410- Existing Primary Tower - Major Tower Reinforcement /Modifications |
|   | Amount:                        | \$19,701.40   |
|   | Component Description:         | WNMU-410- Existing Primary Tower - Major Tower Reinforcement /Modifications |
|   | Amount:                        | \$59,104.20   |

Structural engineering tower load study for well documented tower

Component Description: Engineering

services

**Amount:** \$1,500.00

Component Description: STNLSA STNL

Structural Analysis

**Amount:** \$2,750.00

Component Description: STNLSA STNL

Structural Analysis

**Amount:** \$2,750.00

Component Description: 002 Engineering

**Amount:** \$2,500.00

Component Description: 001 Engineering

**Amount:** \$2,500.00

Tall Tower (greater than 500')

Component Description: WNMU-410-

Existing Primary
Tower - Tower

Rigging, Tall Tower

**Amount:** \$10,847.10

Component Description: WNMU-410-

Existing Primary
Tower - Tower
Rigging, Tall
Tower

**Amount:** \$46,200.00

Component Description: Field Services

Final PMT \$31,427.00

Component Description: Regular Portable

Toilet

**Amount:** \$150.00

Amount:

**Component Description:** Tall Tower **Amount:** \$105.00

Component Description: Field Services

Down PMT

**Amount:** \$31,427.00

Component Description: ZEP AP CLEAN &

**DEGREASE 320Z** 

**Amount:** \$105.00

Component Description: WNMU-410-

Existing Primary
Tower - Tower

Rigging, Tall Tower

**Amount:** \$51,423.90

Tower Helicopter Lift

Component Description: Construction Srvcs
Amount: \$68,850.00

Component Description: Field services final
PMT 10%
Amount: \$11,475.00

Component Description: STNLCN STNL
Construction

\$34,425.00

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<br>Cost Estimate | Estimated<br>Cost | Estimated Cost<br>Justification  | Actual Cost  | Actual C                        |
|--|--------------------------------|-------------------|--|--------------|---------------------------------|
| Outside<br>Professional<br>Services                            | \$256,670.87                   | \$173,572.20      |  | \$136,633.75 |                                 |
| Project<br>management of<br>the transition                     | \$94,010.00                    | \$99,675.00       | Please see<br>attached<br>Widelity<br>Strategics<br>Support Quote  | \$91,472.05  | N/A                             |
| Site Survey  | \$15,300.00                    | \$15,300.00       | N/A  | \$15,289.50  | N/A                             |
| Additional Field<br>Engineering<br>Service, 26<br>Days         | \$24,030.87                    | \$24,030.87       | The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.   | \$24,030.87  | Please s<br>submitte<br>invoice |
| Comprehensive coverage verification via field study, if needed | \$84,200.00                    | \$516.33          | Please see WNMU Outside Professional Services- Engineering - Comprehensive Coverage Verification via Field Study Budget Revision Justification Letter. The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time | \$516.33     | see<br>submitte<br>invoice      |

| 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<br>modification<br>(prepare FCC<br>Form 854)   | \$2,105.00 | \$2,000.00 | N/A  | N/A        | N/A                             |
| Attorney Fees - Prepare and File request for Special Temporary Authorization   | \$3,680.00 | \$3,500.00 | N/A  | \$300.00   | N/A                             |
| Attorney Fees -<br>Negotiation of<br>lease and other<br>matters for<br>shared<br>locations                                 | \$4,210.00 | \$1,300.00 | The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time. | \$1,300.00 | Please s<br>submitte<br>invoice |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application                                     | \$5,260.00 | \$5,000.00 | N/A  | \$900.00   | N/A                             |
| Prepare request for Special Temporary Authorization  | \$2,050.00 | \$1,500.00 | N/A  | N/A        | N/A                             |

| Total for all systems  | \$2,164,343.64             | \$2,030,438.31             | N/A        | \$1,214,909.62           | N/A |
|--|----------------------------|----------------------------|------------|--------------------------|-----|
| Prepare and or review reimbursement form   | \$2,630.00<br>\$256,670.87 | \$2,500.00<br>\$173,572.20 | N/A<br>N/A | \$525.00<br>\$136,633.75 | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application                | \$2,365.00                 | \$2,250.00                 | N/A        | \$200.00                 | N/A |
| Address<br>transition<br>timing and<br>coordination<br>issues w/ other<br>stations and<br>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        | \$1,125.00               | 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 |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application                  | \$1,580.00                 | \$1,500.00                 | N/A        |                          |     |

# Components

| Actual Information Description       | File Name                       |   |
|--------------------------------------|---------------------------------|---|
| Project management of the transition | Component Description:          | Main and Interim Antenna Construction Planning/Timing and Status Review |
|                                      | Amount:                         | \$450.00  |
|                                      | Component Description:  Amount: | Project management  |
|                                      | Amount:                         | \$9,467.50  |
|                                      | Component Description:  Amount: | Project Management \$4,266.70   |
|                                      |                                 |   |
|                                      | Component Description: Amount:  | Project<br>Management<br>\$15,749.80                                    |
|                                      | Component Description:          | Project   |
|                                      | Amount:                         | Management<br>\$3,835.00  |
|                                      | Component Description:          | Project   |
|                                      | Amount:                         | management<br>\$5,827.65  |
|                                      | Component Description:          | Project<br>Management   |
|                                      | Amount:                         | \$2,183.70  |

Component Description: Project

Management

Amount:

\$13,464.15

**Component Description:** Project

Management

**Amount:** \$2,907.85

Component Description: Project

Management

**Amount:** \$3,837.50

**Component Description:** Project

Management

**Amount:** \$1,990.00

Component Description: Project

Management

**Amount:** \$3,580.45

Component Description: WNMU-510-Project

Management

**Amount:** \$200.00

Component Description: Review and

Response to Dielectric Questions Regarding Main and Interim

Antennas

**Amount:** \$225.00

Component Description: WNMU-510-Project

Management

**Amount:** \$400.00

**Component Description:** 4/2/19 Office **Amount:** \$3,559.10

**Component Description:** Project

Management

**Amount:** \$1,258.75

Component Description: Repack Status

Review and Conference Call

**Amount:** \$300.00

Component Description: PO026623: Ship to

E Smith SRV 906

/227-1314

**Amount:** \$1,400.00

Component Description: Review of Stainless

Tower Study and Discussion on Results with NMU

**Amount:** \$225.00

Component Description: Project

Management

**Amount:** \$12,094.30

Component Description: WNMU-510-Project

Management

**Amount:** \$100.00

Component Description: Project

Management

**Amount:** \$86.25

|  | Component Description: Amount: | Project<br>Management<br>\$4,063.35     |
|--|--------------------------------|---|
| Site Survey  | Component Description: Amount: | Field Service<br>\$15,289.50            |
| Additional Field<br>Engineering Service, 26<br>Days  | Component Description: Amount: | Attic Mount TV<br>Antenna<br>\$74.85    |
|  | Component Description: Amount: | TRAVEL<br>\$10,342.56                   |
|  | Component Description: Amount: | Procedure Patch<br>panel<br>\$2,170.43  |
|  | Component Description: Amount: | Electrician<br>Coordinate<br>\$7,228.47 |
|  | Component Description: Amount: | Drive Madison<br>\$4,214.56             |
| Comprehensive coverage verification via field study, if needed   | Component Description: Amount: | bladeRF 2.0 micro<br>\$516.33           |
| 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 - Prepare<br>and File request for<br>Special Temporary<br>Authorization | Component Description:  Amount: | WNMU-550-<br>Attorney - Special<br>Temporary<br>Authorization<br>\$300.00 |
| Attorney Fees - Negotiation of lease and other matters for shared locations           | Component Description: Amount:  | Email exchange<br>with Eric Smith<br>\$100.00                             |
|   | Component Description: Amount:  | Professional<br>Services<br>\$300.00                                      |
|   | Component Description: Amount:  | Professional<br>Services<br>\$100.00                                      |
|   | Component Description: Amount:  | Draft and File Form<br>323-E<br>\$300.00                                  |
|   | Component Description: Amount:  | Professional<br>Services<br>\$100.00                                      |
|   | Component Description: Amount:  | Professional<br>Services<br>\$200.00                                      |
|   | Component Description: Amount:  | Professional<br>Services<br>\$200.00                                      |

Attorney Fees - Prepare and File FCC Form 2100 WNMU-550-**Component Description:** (main), Construction Attorney -Permit Application Construction Permit Application (Main) \$100.00 Amount: **Component Description:** Professional Services \$800.00 Amount: **Component Description:** Invoice to be removed, it's nonreimbursable. N/A Amount: **Component Description:** Professional Services Amount: \$600.00 Prepare request for Information not provided. **Special Temporary** Authorization Prepare engineering section of FCC Form 2100 **Component Description:** Preparation of (main), License to Cover Application for Application License to Cover Repack Amount: \$225.00 Prepare engineering section of FCC Form 2100 **Component Description:** FCC Repack of (main), Construction **WNMU** Permit Application

Amount:

\$750.00

Perform engineering study for new channel **Component Description:** WNMU-530-RF assignment and antenna Eng - Engineering development Study for New Channel Assignment \$675.00 Amount: **Component Description:** FCC Repack of WNMU Amount: \$450.00 Address transition timing Information not provided. and coordination issues w/ other stations and wireless Attorney Fees -Prepare and File FCC Form 2100 WNMU-550-**Component Description:** (main), License to Cover Attorney - License Application to Cover Application (Main) Amount: \$200.00

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

Component Description: WNMU-550-

Prepare/Review Reimbursement

Form

**Amount:** \$225.00

# **Cost Information**

## **Other Expenses**

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

| Description Other                                       | Predetermined<br>Cost Estimate<br>\$248,019.35 | Estimated<br>Cost<br>\$239,469.35 | Estimated<br>Cost<br>Justification                                       | Actual Cost \$22,724.85 | Actual Cost<br>Justification |
|---|--|-----------------------------------|--|-------------------------|------------------------------|
| Employee Time, Travel and Per Diem                      | \$109,045.00                                   | \$109,045.00                      | N/A  | \$69.60                 | N/A                          |
| Performance<br>Bond                                     | \$83,104.00                                    | \$83,104.00                       | N/A  | N/A                     | N/A                          |
| MVPD<br>Notification of<br>Channel<br>Change            | \$2,500.00                                     | \$2,500.00                        | N/A  | \$2,125.00              | N/A                          |
| Develop and air announcement of upcoming channel change | \$5,000.00                                     | \$5,000.00                        | N/A  | N/A                     | N/A                          |
| Equipment<br>Storage                                    | \$14,430.00                                    | \$14,430.00                       | Estimated Cost Justification WNMU- 610- Equipment Storage V0             | \$14,430.00             | N/A                          |
| Equipment Delivery and Handling Charges                 | \$2,390.35                                     | \$2,390.35                        | Please see Estimated Cost Justification WNMU- 610- Equipment Delivery V0 | \$2,390.35              | N/A                          |

| Disposal Costs (for equipment and other waste, net of any salvage value) | \$20,000.00    | \$20,000.00    | N/A | \$1,478.65     | N/A |
|--|----------------|----------------|-----|----------------|-----|
| DTV Medical<br>Facility<br>Notification                                  | \$11,550.00    | \$3,000.00     | N/A | \$2,231.25     | N/A |
| Sub-total  | \$248,019.35   | \$239,469.35   | N/A | \$22,724.85    | N/A |
| Total for all systems  | \$2,164,343.64 | \$2,030,438.31 | N/A | \$1,214,909.62 | N/A |

# Components

| File Name                       |  |
|---------------------------------|--|
| Component Description:  Amount: | Repack travel<br>expenses-<br>mileage to<br>transmitter site<br>\$69.60  |
| Information not provided.       |  |
| Component Description: Amount:  | MVPD<br>Notification<br>Services<br>\$2,125.00   |
| Information not provided.       |  |
|                                 |  |
| Component Description:  Amount: | WNMU-610-<br>Equipment<br>Storage<br>\$14,430.00   |
|                                 | Component Description:  Amount:  Information not provided.  Component Description:  Amount:  Information not provided.  Component Description: |

| Equipment Delivery and<br>Handling Charges | Component Description: Amount: | OTHER<br>\$295.35        |
|--|--------------------------------|--------------------------|
|  | Component Description:         | Truck Driver per<br>hour |
|  | Amount:                        | \$2,095.00               |
| Disposal Costs (for                        |                                |                          |
| equipment and other waste,                 | Component Description:         | 20 Yd rolloff            |
| net of any salvage value)                  | Amount:                        | \$558.90                 |
|  | Component Description:         | Delivery 30 yd           |
|  |                                | open top                 |
|  | Amount:                        | \$250.00                 |
|  | Component Description:         | 30 Yd rolloff            |
|  | Amount:                        | \$419.75                 |
|  | Component Description:         | Delivery 20 yd           |
|  |                                | open top                 |
|  | Amount:                        | \$250.00                 |
| OTV Medical Facility                       |                                |                          |
| Notification                               | Component Description:         | DTV Notification         |
|  |                                | Service                  |

# Cost Information

## **Grand Total**

|                       | Predetermined<br>Cost Estimate | Estimated Cost | Actual Cost    |
|-----------------------|--------------------------------|----------------|----------------|
| Total for all systems | \$2,164,343.64                 | \$2,030,438.31 | \$1,214,909.62 |

| Reimbursem | entestiatus  | Response |
|------------|--|----------|
|            | The facility has ceased operating on its pre-<br>auction channel.  | Yes      |
|            | Construction of final facilities or all necessary modifications are complete.  | Yes      |
|            | 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       |

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.

- 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 abovenamed applicant for the Authorization(s) specified above. Eric L Smith General Manager

05/17/2021

Section Question Response

# Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (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).

- 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.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- 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 abovenamed applicant for the Authorization(s) specified above. Eric L Smith General Manager

05/17/2021

Section Question Response

### Submission of Final Allocation or Accounting Information 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.

- 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. The abovenamed entity acknowledges that all certifications and attached documentation are considered material representations.
- 2. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.

- 3. The above-named entity certifies that all costs identified as "actual costs" herein accurately represent the costs actually paid by the above-named entity, including any discounts, refunds, or rebates.
- 4. 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.
- 5. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 6. 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 abovenamed applicant for the Authorization(s) specified above. Eric L Smith General Manager

05/17/2021

### **Attachments**