



(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 **03/16**  
Submitted: **/2021**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant  | Address   | Phone                       | Email              | Applicant Type       |
|--|---|-----------------------------|--------------------|----------------------|
| <b>BOARD OF TRUSTEES,<br/>NORTHERN MICHIGAN<br/>UNIVERSITY</b><br>Doing Business As: BOARD<br>OF TRUSTEES, NORTHERN<br>MICHIGAN 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 Information

### Reimbursement Contact Name and Information

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

## Preparer Contact Information

### Preparer Contact Name and Information

| Applicant   | Address  | Phone                 | Email                |
|---|--|-----------------------|----------------------|
| <b>Benjamin Pidek</b><br><i>Consulting Engineer</i><br><i>Mid-State</i><br><i>Consultants</i> | 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 |
|-------------------------------------|---|----------|
| <b>Transmitter Related Expenses</b> | Do you have transmitter related expenses? | Yes      |

**Primary  
Transmitter**

**Existing Transmitter Information**

| <b>Section</b>  | <b>Question</b>  | <b>Response</b>       |
|---|--|-----------------------|
| <b>Existing Transmitter<br/>Description</b>           | 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                   |
| <b>Existing Transmitter<br/>Manufacturer and Type</b> | Manufacturer   |                       |
|   | Model  | Platinum<br>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. |
| <b>HVAC Service</b>  | Does the replacement transmitter require HVAC Service?  | Yes  |
|  | Type  | Cooling Only   |
|  | Size  | 5 tons   |
|  | Other Size  | N/A  |
| <b>Transmitter Building Addition/Modification or Leasehold Improvement</b> | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No   |
|  | Size  | N/A  |
| <b>Channel 14 Costs</b>  | Is an RF Consulting Engineer needed?  | N/A  |
|  | Is a channel 14 Mask Filer needed?  | N/A  |
|  | Is additional field engineering time needed?  | N/A  |
|  | Number of Days  | N/A  |

**Primary Transmitter**

**Other Transmitter Cost Not Listed**

| Name | Description |
|------|-------------|
|------|-------------|

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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.

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**Antennas**

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

**Primary  
Antenna**

**Existing Antenna Information**

| Section   | Question   | Response           |
|---|--|--------------------|
| <b>Existing Antenna<br/>Description</b>           | 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                 |
| <b>Existing Antenna<br/>Manufacturer and Type</b> | Class  | Full Power         |
|   | Mounting   | Top Mount          |
|   | Antenna position in stack  | Not in Stack       |
|   | Polarization   | Horizontal         |
|   | Type   | 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)<br>.....                         | 15.4 kW            |



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|              |                     |
|--------------|---------------------|
| Manufacturer |                     |
| Model        | ATW9V3-<br>HTO-13-R |
| Year         | 2009                |

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**Primary  
Antenna**

**New Antenna Costs**

| Section                                   | Question   | Response        |
|---|--|-----------------|
| <b>New Antenna Description</b>            | 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              |
| <b>New Antenna Manufacturer and Types</b> | 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             |
|------------------------------------|---|----------------------|
| <b>Combiner for Shared Antenna</b> | 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                  |
| <b>Elbow Complex</b>               | 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 |
| <b>Side Mount Brackets</b>         | Do you require the separate purchase of side mount brackets for a high power antenna? |                      |

|                                 |   |     |
|---------------------------------|---|-----|
| <b>Pattern Scatter Analysis</b> | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No  |
| <b>Sweep Test</b>               | 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          |
|--|--|-------------------|
| <b>New Antenna Description</b>               | 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                |
| <b>New Antenna<br/>Manufacturer and Type</b> | Class  | Full Power        |
|  | Mounting   | Side Mount        |
|  | Antenna position in stack  | Not in Stack      |
|  | Polarization   | Horizontal        |
|  | Type   | 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              |

|                               |   |
|-------------------------------|---|
| 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. |
|-------------------------------|---|

**Interim Antenna**

**Other Antenna Costs**

| Section                         | Question  | Response |
|---------------------------------|---|----------|
| <b>Elbow Complex</b>            | Do you require the separate purchase of the Elbow Complex?  | No       |
|                                 | Broadband or Single Channel?  | N/A      |
|                                 | Feed Line Size  | N/A      |
| <b>Side Mount Brackets</b>      | Do you require the separate purchase of side mount brackets for an antenna?                                 | No       |
| <b>Pattern Scatter Analysis</b> | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No       |
| <b>Sweep Test</b>               | 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   |
|--|---|
| <b>Primary Line - Additional Transmission Line Parts</b> | Additional parts needed in order to reuse existing line |

**Interim Transmission Line**      **New Transmission Line**

| Section                            | Question                | Response          |
|------------------------------------|-------------------------|-------------------|
| <b>New Transmission Line Costs</b> | 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.

**Other Transmission Line Expenses Not Listed**

**Interim  
Transmission  
Line**

| Name   | Description                                      |
|--|--|
| Interim Transmission Line-Nitrogen Regulator Kit | Interim Transmission Line-Nitrogen Regulator Kit |

**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          |
|--|---|-------------------|
| <b>Existing Tower Description</b>                          | 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               |
| <b>Existing Tower Structure Registration</b>               | Do you have a tower registration number?                | Yes               |
|  | ASR Number  | 1023010           |
| <b>Coordinates (NAD83 ( North American Datum of 1983))</b> | 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                          |
|-----------------------------|--|-----------------------------------|
| <b>Engineering Study</b>    | Please what type of engineering study is required, if any: | Study needed for documented tower |
| <b>Tower Reinforcements</b> | Please select whether tower reinforcements are needed:     | Major Reinforcements needed       |

**Primary  
Tower**

**Tower Rigging Costs**

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

|                                     |                                   |     |
|-------------------------------------|-----------------------------------|-----|
| <b>Helicopter Services Required</b> | Are helicopter services required? | Yes |
|-------------------------------------|-----------------------------------|-----|

**Primary Tower**

**Other Tower Expenses Not Listed**

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

**Outside Professional Services Costs**

| Section   | Question   | Response  |
|---|--|---|
| <b>Outside Project Management Services</b>        | 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 |
| <b>Outside RF consulting Engineering Services</b> | Perform engineering study for new channel assignment and antenna development | Yes   |
|   | Prepare engineering section of Form FCC Construction Permit Application      | Yes   |
|   | For Auxiliary Facility   | 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 |
| <b>Attorney and Other Outside Consulting Services</b>                                      | 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   |     |
| <b>RF Field Engineering Services</b>   | 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 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 |
|-------------------------------------|--|----------|
| <b>AM Pattern Disturbance</b>       | Is an Impact Study needed?   | No       |
|                                     | Is Remediation needed?   | No       |
| <b>Facility Expenses</b>            | Name   | N/A      |
|                                     | Other Distributed Transmission System Expenses Not listed  | N/A      |
|                                     | Name   | N/A      |
|                                     | Is Notification of a Medical Facility required as a result of DTV broadcasting?                                      | Yes      |
| <b>Permit and Filing Costs</b>      | 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       |
| <b>Other Miscellaneous Expenses</b> | Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?        | Yes      |
|                                     | Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs? | Yes      |
|                                     | Does this relocation require Equipment Storage?  | Yes      |
|                                     | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?     | Yes      |
|                                     | Does this relocation require MVPD Notification of a Channel Change?  | Yes      |



**Other  
Expenses**

**Other Expenses Not Listed**

| <b>Name</b>                               | <b>Description</b>   |
|---|--|
| <b>Performance Bond</b>                   | 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. |
| <b>Employee Time, Travel and Per Diem</b> | 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 |
|--|-----------------------------|---------------------|---|---------------------|---------------------------|
| <b>Primary Transmitter VAXTE-4</b>   | <b>\$270,950.00</b>         | <b>\$279,382.27</b> |   | <b>\$153,975.36</b> |                           |
| Transmitter Bldg. Rearrangement  | <i>\$50,000.00</i>          | \$50,000.00         | N/A   | \$98.76             | N/A                       |
| Switchgear - industrial 800 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 | \$37,805.32         | N/A                       |
| Other Electrical Service: Necessary conduit, wiring and fuse disconnects as quoted by electrical contractor. | <i>\$10,000.00</i>          | \$10,000.00         | N/A   | \$5,445.00          | N/A                       |
| High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW   | \$152,500.00                | \$145,000.00        | N/A   | \$110,626.28        | N/A                       |
| <b>Sub-total</b>   | <b>\$270,950.00</b>         | <b>\$279,382.27</b> | <b>N/A</b>  | <b>\$153,975.36</b> | <b>N/A</b>                |

|                              |                |                |     |                |     |
|------------------------------|----------------|----------------|-----|----------------|-----|
| <b>Total for all systems</b> | \$2,161,290.52 | \$2,027,385.19 | N/A | \$1,206,548.55 | N/A |
|------------------------------|----------------|----------------|-----|----------------|-----|

## Components

| Actual Information                 |  |
|------------------------------------|--|
| Description                        | File Name  |
| Transmitter Bldg.<br>Rearrangement | <b>Component Description:</b> Invoice moved to correct budget category.<br><b>Amount:</b> N/A                                    |
|                                    | <b>Component Description:</b> Invoice moved to correct budget category.<br><b>Amount:</b> N/A                                    |
|                                    | <b>Component Description:</b> Invoice moved to correct budget category.<br><b>Amount:</b> N/A                                    |
|                                    | <b>Component Description:</b> Invoice moved to 1st Primary Transmitter - Other Electrical Service Category<br><b>Amount:</b> N/A |
|                                    | <b>Component Description:</b> SKELETON 10OZ CAULK GUN DRIP FREE 3<br><b>Amount:</b> \$94.76                                      |
|                                    | <b>Component Description:</b> LOC TITE FOAM GPS AND CRCKS 12-OZ<br><b>Amount:</b> \$4.00   |
|                                    |  |

|  |  |                               |                         |                |            |                               |  |                |            |                               |      |                |            |                               |                            |                |             |
|--|--|-------------------------------|-------------------------|----------------|------------|-------------------------------|--|----------------|------------|-------------------------------|------|----------------|------------|-------------------------------|----------------------------|----------------|-------------|
| Switchgear - industrial 800 amp  | Information not provided.  |                               |                         |                |            |                               |  |                |            |                               |      |                |            |                               |                            |                |             |
| 5 Ton system   | <table> <tr> <td data-bbox="710 293 1018 327"><b>Component Description:</b></td> <td data-bbox="1150 293 1289 327">Key pick up</td> </tr> <tr> <td data-bbox="710 331 820 365"><b>Amount:</b></td> <td data-bbox="1150 331 1270 365">\$2,223.05</td> </tr> <tr> <td data-bbox="710 472 1018 506"><b>Component Description:</b></td> <td data-bbox="1150 472 1225 506">HVAC</td> </tr> <tr> <td data-bbox="710 510 820 544"><b>Amount:</b></td> <td data-bbox="1150 510 1270 544">\$3,500.00</td> </tr> <tr> <td data-bbox="710 651 1018 685"><b>Component Description:</b></td> <td data-bbox="1150 651 1225 685">HVAC</td> </tr> <tr> <td data-bbox="710 689 820 723"><b>Amount:</b></td> <td data-bbox="1150 689 1270 723">\$9,000.00</td> </tr> <tr> <td data-bbox="710 831 1018 864"><b>Component Description:</b></td> <td data-bbox="1150 831 1321 898">Demo existing three supply</td> </tr> <tr> <td data-bbox="710 902 820 936"><b>Amount:</b></td> <td data-bbox="1150 902 1286 936">\$23,082.27</td> </tr> </table> | <b>Component Description:</b> | Key pick up             | <b>Amount:</b> | \$2,223.05 | <b>Component Description:</b> | HVAC   | <b>Amount:</b> | \$3,500.00 | <b>Component Description:</b> | HVAC | <b>Amount:</b> | \$9,000.00 | <b>Component Description:</b> | Demo existing three supply | <b>Amount:</b> | \$23,082.27 |
| <b>Component Description:</b>  | Key pick up  |                               |                         |                |            |                               |  |                |            |                               |      |                |            |                               |                            |                |             |
| <b>Amount:</b>   | \$2,223.05   |                               |                         |                |            |                               |  |                |            |                               |      |                |            |                               |                            |                |             |
| <b>Component Description:</b>  | HVAC   |                               |                         |                |            |                               |  |                |            |                               |      |                |            |                               |                            |                |             |
| <b>Amount:</b>   | \$3,500.00   |                               |                         |                |            |                               |  |                |            |                               |      |                |            |                               |                            |                |             |
| <b>Component Description:</b>  | HVAC   |                               |                         |                |            |                               |  |                |            |                               |      |                |            |                               |                            |                |             |
| <b>Amount:</b>   | \$9,000.00   |                               |                         |                |            |                               |  |                |            |                               |      |                |            |                               |                            |                |             |
| <b>Component Description:</b>  | Demo existing three supply   |                               |                         |                |            |                               |  |                |            |                               |      |                |            |                               |                            |                |             |
| <b>Amount:</b>   | \$23,082.27  |                               |                         |                |            |                               |  |                |            |                               |      |                |            |                               |                            |                |             |
| Other Electrical Service: Necessary conduit, wiring and fuse disconnects as quoted by electrical contractor. | <table> <tr> <td data-bbox="710 1079 1018 1113"><b>Component Description:</b></td> <td data-bbox="1150 1079 1321 1146">ELY Township Tower Site</td> </tr> <tr> <td data-bbox="710 1151 820 1184"><b>Amount:</b></td> <td data-bbox="1150 1151 1270 1184">\$3,500.00</td> </tr> <tr> <td data-bbox="710 1292 1018 1326"><b>Component Description:</b></td> <td data-bbox="1150 1292 1377 1404">Electrical for HVAC and Television equipment</td> </tr> <tr> <td data-bbox="710 1408 820 1442"><b>Amount:</b></td> <td data-bbox="1150 1408 1270 1442">\$1,945.00</td> </tr> </table>  | <b>Component Description:</b> | ELY Township Tower Site | <b>Amount:</b> | \$3,500.00 | <b>Component Description:</b> | Electrical for HVAC and Television equipment | <b>Amount:</b> | \$1,945.00 |                               |      |                |            |                               |                            |                |             |
| <b>Component Description:</b>  | ELY Township Tower Site  |                               |                         |                |            |                               |  |                |            |                               |      |                |            |                               |                            |                |             |
| <b>Amount:</b>   | \$3,500.00   |                               |                         |                |            |                               |  |                |            |                               |      |                |            |                               |                            |                |             |
| <b>Component Description:</b>  | Electrical for HVAC and Television equipment   |                               |                         |                |            |                               |  |                |            |                               |      |                |            |                               |                            |                |             |
| <b>Amount:</b>   | \$1,945.00   |                               |                         |                |            |                               |  |                |            |                               |      |                |            |                               |                            |                |             |

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

**Component Description:** Downpayment only  
for channel 8  
transmitter  
**Amount:** \$35,170.17

**Component Description:** VAXTE-4R44  
Transmitter per  
Quote Q-81435  
**Amount:** \$40,285.96

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

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**Cost Information**

**Antennas**

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

| Description   | Predetermined Cost Estimate | Estimated Cost      | Estimated Cost Justification  | Actual Cost         | Actual Cost Justification |
|---|-----------------------------|---------------------|---|---------------------|---------------------------|
| <b>Interim Antenna TLS-V8BB</b>   | <b>\$106,730.00</b>         | <b>\$106,400.00</b> |   | <b>\$77,148.13</b>  |                           |
| Sweep test of existing antenna  | \$6,730.00                  | \$6,400.00          | N/A   | \$6,400.00          | N/A                       |
| High VHF - High Power Side Mount One Station horizontally polarized               | <i>\$100,000.00</i>         | \$100,000.00        | N/A   | \$70,748.13         | N/A                       |
| <b>Primary Antenna THV-9A8-R</b>  | <b>\$341,300.00</b>         | <b>\$340,696.00</b> |   | <b>\$277,259.18</b> |                           |
| 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 | \$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 - High Power Top Mount One Station horizontally polarized                | <i>\$325,000.00</i>         | \$325,000.00        | N/A   | \$261,628.08        | N/A                       |

|                              |                |                |     |                |     |
|------------------------------|----------------|----------------|-----|----------------|-----|
| <b>Sub-total</b>             | \$448,030.00   | \$447,096.00   | N/A | \$354,407.31   | N/A |
| <b>Total for all systems</b> | \$2,161,290.52 | \$2,027,385.19 | N/A | \$1,206,548.55 | N/A |

### Components

| Actual Information                    |                                       |
|---------------------------------------|---------------------------------------|
| Description                           | File Name                             |
| Sweep test of existing antenna        | <b>Component Description:</b>         |
|                                       | WNMU-280-Interim Antenna - Sweep Test |
|                                       | <b>Amount:</b>                        |
|                                       | \$640.00                              |
|                                       | <b>Component Description:</b>         |
|                                       | WNMU-280-Interim Antenna - Sweep Test |
| <b>Amount:</b>                        |                                       |
| \$2,880.00                            |                                       |
| <b>Component Description:</b>         |                                       |
| WNMU-280-Interim Antenna - Sweep Test |                                       |
| <b>Amount:</b>                        |                                       |
| \$2,880.00                            |                                       |

High VHF - High Power Side  
Mount One Station  
horizontally polarized

**Component Description:** WNMU-280-  
Interim Antenna -  
High VHF High  
Power Side  
Mount Single  
Station, H-POL  
**Amount:** \$30,724.43

**Component Description:** WNMU-280-  
Interim Antenna -  
High VHF High  
Power Side  
Mount Single  
Station, H-POL  
**Amount:** \$6,798.40

**Component Description:** WNMU-280-  
Interim Antenna -  
High VHF High  
Power Side  
Mount Single  
Station, H-POL  
**Amount:** \$33,225.30

Elbow complex, single  
channel, at antenna input,  
per 4 1/16. feedline (if  
needed)

**Component Description:** WNMU-210-  
Primary Antenna -  
Elbow Complex  
**Amount:** \$893.60

**Component Description:** WNMU-210-  
Primary Antenna -  
Elbow Complex  
**Amount:** \$4,154.30

**Component Description:** WNMU-210-  
Primary Antenna -  
Elbow Complex  
**Amount:** \$4,183.20



|  |   |
|--|---|
| Sweep test of existing antenna                                     | <p><b>Component Description:</b> WNMU-210-Primary Antenna - Sweep Test</p> <p><b>Amount:</b> \$2,880.00</p> |
|  | <p><b>Component Description:</b> WNMU-210-Primary Antenna - Sweep Test</p> <p><b>Amount:</b> \$2,880.00</p> |
|  | <p><b>Component Description:</b> WNMU-210-Primary Antenna - Sweep Test</p> <p><b>Amount:</b> \$640.00</p>   |
| High VHF - High Power Top Mount One Station horizontally polarized | <p><b>Component Description:</b> UHF - HIGH POWER TOP MOUNT</p> <p><b>Amount:</b> \$25,248.00</p>           |
|  | <p><b>Component Description:</b> UHF - High Power Top Mount</p> <p><b>Amount:</b> \$118,638.00</p>          |
|  | <p><b>Component Description:</b> UHF HIGH POWER TOP MOUNT</p> <p><b>Amount:</b> \$117,742.08</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 |
|---|-----------------------------|--------------------|---|--------------------|---------------------------|
| <b>Interim Transmission Line</b>                  | <b>\$59,415.55</b>          | <b>\$41,760.62</b> |   | <b>\$41,760.62</b> |                           |
| Interim Transmission Line-Nitrogen Regulator Kit  | <i>\$415.55</i>             | \$415.55           | Please see WNMU Interim Transmission Line-Nitrogen Regulator Kit Budget Revision Justification Letter | \$415.55           | N/A                       |
| Flexible Air Transmission Line - 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                       |
| <b>Primary Transmission Line</b>                  | <b>\$11,854.75</b>          | <b>\$11,854.75</b> |   | <b>\$10,385.61</b> |                           |
| 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                       | \$10,385.61        | N/A                       |
| <b>Sub-total</b>                                  | <b>\$71,270.30</b>          | <b>\$53,615.37</b> | N/A   | <b>\$52,146.23</b> | N/A                       |

|                              |                |                |     |                |     |
|------------------------------|----------------|----------------|-----|----------------|-----|
| <b>Total for all systems</b> | \$2,161,290.52 | \$2,027,385.19 | N/A | \$1,206,548.55 | N/A |
|------------------------------|----------------|----------------|-----|----------------|-----|

## Components

| Actual Information                               |   |
|--|---|
| Description                                      | File Name   |
| Interim Transmission Line-Nitrogen Regulator Kit | <b>Component Description:</b> Nitrogen Regulator Kit  |
|  | <b>Amount:</b> \$415.55   |
| Flexible Air Transmission Line - dielectric, 3"  | <b>Component Description:</b> WNMU-380-Interim Transmission Line - 3" Flexible Air Dielectric |
|  | <b>Amount:</b> \$16,821.98  |
|  | <b>Component Description:</b> OTHER   |
|  | <b>Amount:</b> \$2,632.00   |
|  | <b>Component Description:</b> WNMU-380-Interim Transmission Line - 3" Flexible Air Dielectric |
|  | <b>Amount:</b> \$18,168.61  |
|  | <b>Component Description:</b> WNMU-380-Interim Transmission Line - 3" Flexible Air Dielectric |
|  | <b>Amount:</b> \$3,722.48   |

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 Cost        | Estimated Cost Justification   | Actual Cost           | Actual Cost Justification |
|---|-----------------------------|-----------------------|--|-----------------------|---------------------------|
| <b>Primary Tower TOWER</b>  | <b>\$866,350.00</b>         | <b>\$834,250.00</b>   |  | <b>\$495,469.00</b>   |                           |
| Tower Helicopter Lift   | <i>\$114,750.00</i>         | \$114,750.00          | Please see WNMU FDH Infrastructure Services, LLC quote P18_231409_001A | \$114,750.00          | N/A                       |
| Tall Tower (greater than 500')                                    | \$210,500.00                | \$200,000.00          | N/A  | \$171,580.00          | N/A                       |
| Structural engineering tower load study for well documented tower | \$12,600.00                 | \$12,000.00           | N/A  | \$12,000.00           | N/A                       |
| Major tower reinforcement /modifications                          | \$421,000.00                | \$400,000.00          | N/A  | \$197,014.00          | N/A                       |
| 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  | \$125.00              | N/A                       |
| <b>Sub-total</b>  | <b>\$866,350.00</b>         | <b>\$834,250.00</b>   | <b>N/A</b>   | <b>\$495,469.00</b>   | <b>N/A</b>                |
| <b>Total for all systems</b>                                      | <b>\$2,161,290.52</b>       | <b>\$2,027,385.19</b> | <b>N/A</b>   | <b>\$1,206,548.55</b> | <b>N/A</b>                |

**Components**

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

Tower Helicopter Lift

**Component Description:**

Construction Srvc

**Amount:**

\$68,850.00

**Component Description:**

STNL CN STNL

Construction

**Amount:**

\$34,425.00

**Component Description:**

Field services final

PMT 10%

**Amount:**

\$11,475.00

Tall Tower (greater than 500')

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

**Component Description:** Field Services  
Final PMT  
**Amount:** \$31,427.00

**Component Description:** ZEP AP CLEAN &  
DEGREASE 32OZ  
**Amount:** \$105.00

**Component Description:** Regular Portable  
Toilet  
**Amount:** \$150.00

**Component Description:** WNMU-410-  
Existing Primary  
Tower - Tower  
Rigging, Tall Tower  
**Amount:** \$51,423.90

**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  
Down PMT  
**Amount:** \$31,427.00

Structural engineering  
tower load study for well  
documented tower

**Component Description:** 002 Engineering  
**Amount:** \$2,500.00

**Component Description:** Engineering  
services  
**Amount:** \$1,500.00

**Component Description:** STNLSA STNL  
Structural Analysis  
**Amount:** \$2,750.00

**Component Description:** 001 Engineering  
**Amount:** \$2,500.00

**Component Description:** STNLSA STNL  
Structural Analysis  
**Amount:** \$2,750.00



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

**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 |
|--|-----------------------------|---------------------|--|---------------------|---------------------------|
| <b>Outside Professional Services</b>                           | <b>\$256,670.87</b>         | <b>\$173,572.20</b> |  | <b>\$127,825.80</b> |                           |
| Site Survey  | <i>\$15,300.00</i>          | \$15,300.00         | N/A  | \$15,289.50         | N/A                       |
| Additional Field Engineering Service, 26 Days                  | <i>\$24,030.87</i>          | \$24,030.87         | The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.   | \$24,030.87         | Please submit 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 submitte 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 modification (prepare FCC 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 - Negotiation of lease and other matters for shared 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 submit invoice |
| 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                   |
| 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   | \$225.00            | 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        |
| Project management of the transition   | \$94,010.00         | \$99,675.00         | Please see attached Widely Strategics Support Quote | \$82,064.10         | 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        |
| 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   | \$525.00            | N/A        |
| <b>Sub-total</b>   | <b>\$256,670.87</b> | <b>\$173,572.20</b> | <b>N/A</b>  | <b>\$127,825.80</b> | <b>N/A</b> |

|                              |                |                |     |                |     |
|------------------------------|----------------|----------------|-----|----------------|-----|
| <b>Total for all systems</b> | \$2,161,290.52 | \$2,027,385.19 | N/A | \$1,206,548.55 | N/A |
|------------------------------|----------------|----------------|-----|----------------|-----|

## Components

| Actual Information   |  |
|--|--|
| Description  | File Name  |
| Site Survey  | <p><b>Component Description:</b> Field Service</p> <p><b>Amount:</b> \$15,289.50</p>         |
| Additional Field Engineering Service, 26 Days                  | <p><b>Component Description:</b> Drive Madison</p> <p><b>Amount:</b> \$4,214.56</p>          |
|  | <p><b>Component Description:</b> Electrician Coordinate</p> <p><b>Amount:</b> \$7,228.47</p> |
|  | <p><b>Component Description:</b> Attic Mount TV Antenna</p> <p><b>Amount:</b> \$74.85</p>    |
|  | <p><b>Component Description:</b> Procedure Patch panel</p> <p><b>Amount:</b> \$2,170.43</p>  |
|  | <p><b>Component Description:</b> TRAVEL</p> <p><b>Amount:</b> \$10,342.56</p>                |
| Comprehensive coverage verification via field study, if needed | <p><b>Component Description:</b> bladeRF 2.0 micro</p> <p><b>Amount:</b> \$516.33</p>        |

|   |  |                               |   |                |                 |
|---|--|-------------------------------|---|----------------|-----------------|
| <p>FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase</p> | <p>Information not provided.</p>   |                               |   |                |                 |
| <p>ASR modification (prepare FCC Form 854)</p>  | <p>Information not provided.</p>   |                               |   |                |                 |
| <p>Attorney Fees - Prepare and File request for Special Temporary Authorization</p>   | <table> <tr> <td data-bbox="694 521 1013 555"><b>Component Description:</b></td> <td data-bbox="1145 521 1356 674"> <p>WNMU-550-<br/>Attorney - Special<br/>Temporary<br/>Authorization</p> </td> </tr> <tr> <td data-bbox="694 685 815 719"><b>Amount:</b></td> <td data-bbox="1145 685 1244 719"> <p>\$300.00</p> </td> </tr> </table> | <b>Component Description:</b> | <p>WNMU-550-<br/>Attorney - Special<br/>Temporary<br/>Authorization</p> | <b>Amount:</b> | <p>\$300.00</p> |
| <b>Component Description:</b>   | <p>WNMU-550-<br/>Attorney - Special<br/>Temporary<br/>Authorization</p>  |                               |   |                |                 |
| <b>Amount:</b>  | <p>\$300.00</p>  |                               |   |                |                 |

|   |  |
|---|--|
| <p>Attorney Fees -<br/>Negotiation of lease and<br/>other matters for shared<br/>locations</p>        | <p><b>Component Description:</b> Email exchange<br/>with Eric Smith</p> <p><b>Amount:</b> \$100.00</p>                                   |
|   | <p><b>Component Description:</b> Professional<br/>Services</p> <p><b>Amount:</b> \$100.00</p>  |
|   | <p><b>Component Description:</b> Professional<br/>Services</p> <p><b>Amount:</b> \$300.00</p>  |
|   | <p><b>Component Description:</b> Draft and File Form<br/>323-E</p> <p><b>Amount:</b> \$300.00</p>  |
|   | <p><b>Component Description:</b> Professional<br/>Services</p> <p><b>Amount:</b> \$200.00</p>  |
|   | <p><b>Component Description:</b> Professional<br/>Services</p> <p><b>Amount:</b> \$100.00</p>  |
|   | <p><b>Component Description:</b> Professional<br/>Services</p> <p><b>Amount:</b> \$200.00</p>  |
| <p>Attorney Fees -Prepare<br/>and File FCC Form 2100<br/>(main), License to Cover<br/>Application</p> | <p><b>Component Description:</b> WNMU-550-<br/>Attorney - License<br/>to Cover<br/>Application (Main)</p> <p><b>Amount:</b> \$200.00</p> |

|   |  |
|---|--|
| <p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p> | <p><b>Component Description:</b> C.P.A<br/><b>Amount:</b> \$600.00</p> <p><b>Component Description:</b> WNMU-550-Attorney - Construction Permit Application (Main)<br/><b>Amount:</b> \$100.00</p> <p><b>Component Description:</b> Professional Services<br/><b>Amount:</b> \$600.00</p> <p><b>Component Description:</b> Professional Services<br/><b>Amount:</b> \$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><b>Component Description:</b> Preparation of Application for License to Cover Repack<br/><b>Amount:</b> \$225.00</p>  |
| <p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>   | <p><b>Component Description:</b> FCC Repack of WNMU<br/><b>Amount:</b> \$750.00</p>  |
| <p>Project management of the transition</p>   | <p><b>Component Description:</b> Project management<br/><b>Amount:</b> \$9,467.50</p>  |



**Component Description:** Project Management  
**Amount:** \$3,835.00

**Component Description:** Project management  
**Amount:** \$5,827.65

**Component Description:** Project Management  
**Amount:** \$1,258.75

**Component Description:** Project Management  
**Amount:** \$13,464.15

**Component Description:** WNMU-510-Project Management  
**Amount:** \$400.00

**Component Description:** Repack Status Review and Conference Call  
**Amount:** \$300.00

**Component Description:** Main and Interim Antenna Construction Planning/Timing and Status Review  
**Amount:** \$450.00

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

**Component Description:** Project Management  
**Amount:** \$4,063.35

**Component Description:** Project Management  
**Amount:** \$2,907.85

**Component Description:** WNMU-510-Project Management  
**Amount:** \$200.00

**Component Description:** WNMU-510-Project Management  
**Amount:** \$100.00

**Component Description:** Project Management  
**Amount:** \$2,183.70

**Component Description:** Project Management  
**Amount:** \$15,749.80

**Component Description:** Review and Response to Dielectric Questions Regarding Main and Interim Antennas  
**Amount:** \$225.00

**Component Description:** PO026623: Ship to E Smith SRV 906 /227-1314  
**Amount:** \$1,400.00

|  |  |
|--|--|
|  | <p><b>Component Description:</b> Project Management</p> <p><b>Amount:</b> \$12,094.30</p>  |
|  | <p><b>Component Description:</b> Project Management</p> <p><b>Amount:</b> \$4,266.70</p>   |
|  | <p><b>Component Description:</b> Project Management</p> <p><b>Amount:</b> \$86.25</p>  |
|  | <p><b>Component Description:</b> Review of Stainless Tower Study and Discussion on Results with NMU</p> <p><b>Amount:</b> \$225.00</p> |
| Perform engineering study for new channel assignment and antenna development     | <p><b>Component Description:</b> WNMU-530-RF Eng - Engineering Study for New Channel Assignment</p> <p><b>Amount:</b> \$675.00</p>     |
|  | <p><b>Component Description:</b> FCC Repack of WNMU</p> <p><b>Amount:</b> \$450.00</p>   |
| Address transition timing and coordination issues w/ other stations and wireless | Information not provided.  |

Prepare and or review  
reimbursement form

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

**Component Description:** Professional  
Services  
**Amount:** \$100.00

**Component Description:** WNMU-550-  
Prepare/Review  
Reimbursement  
Form  
**Amount:** \$225.00

**Component Description:** Attorney Prepare  
and 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 |
|---|-----------------------------|---------------------|--|--------------------|---------------------------|
| <b>Other Expenses</b>                                   | <b>\$248,019.35</b>         | <b>\$239,469.35</b> |  | <b>\$22,724.85</b> |                           |
| Employee Time, Travel and Per Diem                      | <i>\$109,045.00</i>         | \$109,045.00        | N/A  | \$69.60            | 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  | \$2,125.00         | N/A                       |
| Develop and air announcement of upcoming channel change | <i>\$5,000.00</i>           | \$5,000.00          | N/A  | N/A                | N/A                       |
| Equipment Storage                                       | <i>\$14,430.00</i>          | \$14,430.00         | Estimated Cost Justification WNMU-610-Equipment Storage V0             | \$14,430.00        | N/A                       |
| Equipment Delivery and Handling Charges                 | <i>\$2,390.35</i>           | \$2,390.35          | Please see Estimated Cost Justification WNMU-610-Equipment Delivery V0 | \$2,390.35         | N/A                       |
| DTV Medical Facility Notification                       | \$11,550.00                 | \$3,000.00          | N/A  | \$2,231.25         | N/A                       |

|  |                    |                |     |                |     |
|--|--------------------|----------------|-----|----------------|-----|
| Disposal Costs (for equipment and other waste, net of any salvage value) | <i>\$20,000.00</i> | \$20,000.00    | N/A | \$1,478.65     | N/A |
| <b>Sub-total</b>   | \$248,019.35       | \$239,469.35   | N/A | \$22,724.85    | N/A |
| <b>Total for all systems</b>   | \$2,161,290.52     | \$2,027,385.19 | N/A | \$1,206,548.55 | N/A |

## Components

| Actual Information                                      |   |
|---|---|
| Description   | File Name   |
| Employee Time, Travel and Per Diem                      | <p><b>Component Description:</b> Repack travel expenses-mileage to transmitter site</p> <p><b>Amount:</b> \$69.60</p> |
| Performance Bond  | Information not provided.   |
| MVPD Notification of Channel Change                     | <p><b>Component Description:</b> MVPD Notification Services</p> <p><b>Amount:</b> \$2,125.00</p>                      |
| Develop and air announcement of upcoming channel change | Information not provided.   |
| Equipment Storage                                       | <p><b>Component Description:</b> WNMU-610-Equipment Storage</p> <p><b>Amount:</b> \$14,430.00</p>                     |

|  |   |  |
|--|---|--|
| Equipment Delivery and Handling Charges                                  | <b>Component Description:</b><br><b>Amount:</b> | OTHER<br>\$295.35                      |
|  | <b>Component Description:</b><br><b>Amount:</b> | Truck Driver per hour<br>\$2,095.00    |
| DTV Medical Facility Notification  | <b>Component Description:</b><br><b>Amount:</b> | DTV Notification Service<br>\$2,231.25 |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <b>Component Description:</b><br><b>Amount:</b> | 20 Yd rolloff<br>\$558.90              |
|  | <b>Component Description:</b><br><b>Amount:</b> | Delivery 20 yd open top<br>\$250.00    |
|  | <b>Component Description:</b><br><b>Amount:</b> | 30 Yd rolloff<br>\$419.75              |
|  | <b>Component Description:</b><br><b>Amount:</b> | Delivery 30 yd open top<br>\$250.00    |

**Cost Information** **Grand Total**

|                              | <b>Predetermined Cost Estimate</b> | <b>Estimated Cost</b> | <b>Actual Cost</b> |
|------------------------------|------------------------------------|-----------------------|--------------------|
| <b>Total for all systems</b> | \$2,161,290.52                     | \$2,027,385.19        | \$1,206,548.55     |

**Reimbursement Status**

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

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

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*

03/16/2021

| Certification | Section   | Question   | Response |
|---------------|---|--|----------|
|               | <b>Submission of Actual Cost Documentation Statements</b> | <p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p>   |          |
|               |   | <ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol> |          |

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

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*

03/16/2021

## Attachments