



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **72300** | Service: **DTV** | Call **WHNS** | Channel: **17 (UHF)**  
ID: | Sign:  
File **0000027830**  
Number:  
FRN: **0005878004** | Date **02/20**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant                   | Address   | Phone                | Email                   | Applicant Type |
|-----------------------------|---|----------------------|-------------------------|----------------|
| <b>MEREDITH CORPORATION</b> | Joshua Pila<br>1716 LOCUST STREET<br>DES MOINES,<br>IA 50309<br>United States | +1 (515)<br>284-3000 | RegAffairs@meredith.com | Corporation    |

## 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 |
|--|---------|-------|-------|
| The Preparer is same as the reimbursement contact. |         |       |       |

## Broadcaster Information and Transition Plan

| Question | Response |
|----------|----------|
|----------|----------|

|   |   |
|---|---|
| <p>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.</p> | <p>No</p>   |
| <p>Briefly describe transition plan</p>   | <p>The WHNS repack plan includes the replacement of main transmitter/filter, addition of a transitional antenna, and a new main antenna. It also includes all the analysis, engineering evaluation and electrical systems, tower work and filing costs.</p> |

| <b>Transmitters</b> | <b>Section</b>                             | <b>Question</b>                                  | <b>Response</b> |
|---------------------|--|--|-----------------|
|                     | <p><b>Transmitter Related Expenses</b></p> | <p>Do you have transmitter related expenses?</p> | <p>Yes</p>      |

**Primary  
Transmitter**

**Existing Transmitter Information**

| Section   | Question   | Response                 |
|---|--|--------------------------|
| <b>Existing Transmitter 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 Manufacturer and Type</b> | Manufacturer   |                          |
|   | Model  | Comark IOX /DCX          |
|   | Year   | 1998                     |
|   | Type   | Inductive<br>Output Tube |
|   | IOT Power Type   | Two                      |
|   | Power Capacity   | 19.18 kW                 |

**Primary  
Transmitter**

**New Transmitter Costs**

| Section                       | Question                                  | Response   |
|-------------------------------|---|--|
| <p><b>New Transmitter</b></p> | Use                                       | Primary (Main)   |
|                               | Change Type                               | Purchase New   |
|                               | Is this a request for upgraded equipment? | Yes  |
|                               | Manufacturer                              |  |
|                               | Model                                     | Parallax HPTV- PRLX-U15  |
|                               | Transmitter Type                          | Solid State  |
|                               | Solid State Cooling                       | Liquid Cooled  |
|                               | Solid State Power capacity                | 24.3 kW  |
|                               | Justification for New Transmitter         | <p>Current transmitter is not returnable and is no longer available. A new solid state is proposed. A new IOT quote is included in the attachments along with solid state comparison for supporting an elliptical antenna.</p> |

**Primary  
Transmitter**

**Other Transmitter Costs**

| Section  | Question  | Response  |
|--|---|-----------|
| <b>Electrical Service</b>  | Service Entrance (3 phases 800A 208V)   | No        |
|  | Switchgear (industrial 800 amp)   | Yes       |
|  | Transformer (480V)  | Yes       |
|  | Power   | 300 kVA   |
|  | Rigid Conduit and Wiring  | Yes       |
|  | Size  | 4 inches  |
|  | Length  | 30.0 feet |
|  | Other Electrical Service  | No        |
|  | Description   | N/A       |
| <b>HVAC Service</b>  | Does the replacement transmitter require HVAC Service?  | No        |
|  | Type  | N/A       |
|  | Size  | N/A       |
|  | 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**

Information not provided.

**Antennas**

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

**Primary  
Antenna**

**Existing Antenna Information**

| Section   | Question   | Response           |
|---|--|--------------------|
| <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>.....                         | 400.0 kW           |

|              |                        |
|--------------|------------------------|
| Manufacturer |                        |
| Model        | TFU-<br>22ETT-R<br>CT3 |
| Year         | 2000                   |

---



**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?                            | Yes             |
|   | 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<br/>Manufacturer and Types</b> | Class  | Full Power      |
|   | Mounting   | Top Mount       |
|   | Antenna position in stack  | Not in Stack    |
|   | Polarization   | Elliptical      |
|   | 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)<br>.....                             | 363.0 kW        |
| Manufacturer                                  |  |                 |

|                               |  |
|-------------------------------|--|
| Model                         | TFU-21ETT<br>/VP-R CT3                                       |
| Year                          | 2017   |
| Justification for New Antenna | Replace single channel antenna that's not able to be retune. |

**Primary Antenna**

**Other Antenna Costs**

| Section                            | Question  | Response               |
|------------------------------------|---|------------------------|
| <b>Combiner for Shared Antenna</b> | Do you need a Combiner for a Shared Antenna?  | No                     |
|                                    | 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  | 6 1/8 inches<br>inches |
| <b>Side Mount Brackets</b>         | Do you require the separate purchase of side mount brackets for a high power 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 |
|-------------------|--|-----|

**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?  | No                 |
|  | 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>Panel |
|  | Number of Stations Supported   | 1                  |
|  | Number of Panels/Bays  | 8                  |
|  | Lower Limit  | 470.00 MHz         |
|  | Upper Limit  | 698.00 MHz         |
|  | Design power capacity in use   | 50.0 %             |
|  | Other Antenna Type   | N/A                |
|  | ERP: (Effective Radiated Power)                                      | 250.0 kW           |
|  | Manufacturer   |                    |
|  | Model  | TFU-8WB-<br>R C160 |
| Year   | 2017   |                    |

|                               |   |
|-------------------------------|---|
| Justification for New Antenna | The antenna is to be used as a interim to allow top antenna replacement |
|-------------------------------|---|

**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**  
**Existing 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 the existing transmission line shared with another station or stations? | No                |
|  | Is Transmission Line in operating condition?                               | Yes               |
| Existing Transmission Line Manufacturer and Type | Manufacturer   | Dielectric        |
|  | Type   | Rigid             |
|  | Diameter   | 6 1/8 inches      |
|  | Other Diameter   | N/A               |
|  | Segment Length   | Broadband         |
|  | Other Segment Length   | N/A               |
|  | Number of parallel runs  | 1                 |
|  | Length   | 1690 feet per run |

**Primary  
Transmission  
Line**

**Other Transmission Line Expenses Not Listed**

| Name                          | Description   |
|-------------------------------|---|
| <b>Additional line</b>        | We need additional line parts and elbows to connect to current feedline |
| <b>Feeline antenna switch</b> | We have a need to switch between antennas during the transition period  |

**Interim  
Transmission  
Line**

**New Transmission Line**

| Section                                 | Question   | Response            |
|---|--|---------------------|
| <b>New Transmission Line<br/>Costs</b>  | Use  | Interim             |
|   | Description of Use   | N/A                 |
|   | Change Type  | Purchase<br>New     |
|   | Type   | Flexible Air        |
|   | Diameter   | 3 inches            |
|   | Segment Length   | N/A                 |
|   | Other Segment Length   |                     |
|   | Number of parallel runs  | 1                   |
|   | Length   | 900 feet<br>per run |
| Justification for New Transmission Line | The line will be used during the transition phase and will act as an interim |                     |

**Interim  
Transmission  
Line**

**Other Transmission Line Expenses Not Listed**

Information not provided.

**Tower Equipment And Rigging Costs**

| Section                                  | Question  | Response |
|--|---|----------|
| Tower Equipment or Rigging Costs Changes | Do you have tower equipment or rigging costs changes? | Yes      |

**Primary Tower**

**Existing Tower**

| Section  | Question  | Response          |
|--|---|-------------------|
| Existing Tower Description                         | Type of change  | Modify Existing   |
|  | Tower Use   | Primary (Main)    |
|  | Description of Use                                      | N/A               |
|  | Ownership   | Owned             |
|  | Is this tower consider Complex?                         | No                |
|  | Is this tower currently shared with any other stations? | No                |
|  | One or more FM, AM or TV radio broadcaster(s)           | N/A               |
|  | Others Types of Users                                   | N/A               |
|  | Is tower documented for structural analysis?            | No                |
|  | Is tower compliant with Rev G?                          | No                |
| Existing Tower Structure Registration              | Do you have a tower registration number?                | Yes               |
|  | ASR Number  | 1002140           |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83)  | 35° 10' 56.0" N-  |
|  | Longitude (NAD83)                                       | 082° 40' 55.0" W- |
|  | Overall Structure Height                                | 1610.87 feet      |
|  | Support Structure Height                                | 1559.04 feet      |
|  | Ground Elevation Above Mean Sea Level (AMSL)            | 3429.09 feet      |



|                  |  |
|------------------|--|
| Structure Type   | TOWER - Free Standing or Guyed Structure |
| Tower Owner      | Meredith Corporation - WHNS              |
| Date Constructed | 06/30/2009                               |

**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 undocumented /poorly 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? | No       |

**Primary Tower**

**Other Tower Expenses Not Listed**

Information not provided.

**Outside Professional Services Costs**

| Section   | Question   | Response  |
|---|--|---|
| <b>Outside Project Management Services</b>            | Do you require outside project management services?                          | Yes   |
|   | Number of Hours  | 20  |
|   | Explanation  | We will need outside engineering support to complete documentation and analysis |
| <b>Outside RF consulting Engineering Services</b>     | Perform engineering study for new channel assignment and antenna development | Yes   |
|   | Prepare engineering section of Form FCC Construction Permit Application      | Yes   |
|   | For Auxiliary Facility   | Yes   |
|   | For Main Facility  | Yes   |
|   | Prepare engineering section of Form FCC License to Cover Application         | Yes   |
|   | For Auxiliary Facility   | Yes   |
|   | For Main Facility  | Yes   |
|   | Prepare request for Special Temporary Authority                              | 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   | Yes   |
|   | For Main Facility  | Yes   |

|                                      |  |     |
|--------------------------------------|--|-----|
|                                      | Prepare and file Form FCC License to Cover Application                                     | Yes |
|                                      | For Auxiliary Facility   | Yes |
|                                      | For Main Facility  | Yes |
|                                      | Prepare request for Special Temporary Authority  | Yes |
|                                      | Quantity   | 1   |
|                                      | NEPA Section 106 environmental review  | Yes |
|                                      | Environmental Assessment   | Yes |
|                                      | ASR Modification   | No  |
|                                      | FAA Consultation (including preparation of FAA Form 7460)                                  | No  |
|                                      | Negotiation of Lease and other Matter for Shared Locations                                 | No  |
|                                      | Prepare or Review FCC Form 399 for Reimbursement   | Yes |
|                                      | Address transition timing and coordination issues w/ other stations and wireless providers | Yes |
| <b>RF Field Engineering Services</b> | Comprehensive coverage verification via field study  | Yes |
|                                      | RF exposure measurements   | Yes |
|                                      | Additional Field Engineering Service   | No  |
|                                      | Number of Days   | N/A |
|                                      | Justification  | N/A |

**Other Professional Services Expenses Not Listed**

**Outside Professional Services Costs** Information not provided.

**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   | Yes      |
|                                     | Non-zoning permits   | Yes      |
|                                     | BLM or NFS Coordination  | No       |
|                                     | FCC Construction Permit Minor Change   | Yes      |
|                                     | FCC License to Cover Application   | Yes      |
|                                     | FCC Special Temporary Authority Application  | Yes      |
| <b>Other Miscellaneous Expenses</b> | Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?        | Yes      |
|                                     | Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs? | Yes      |
|                                     | Does this relocation require Equipment Storage?  | No       |
|                                     | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?     | No       |
|                                     | Does this relocation require MVPD Notification of a Channel Change?  | No       |

**Other  
Expenses**

**Other Expenses Not Listed**

Information not provided.

**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 Parallax HPTV-PRLX-U15</b>      | <b>\$1,025,030.00</b>       | <b>\$691,979.00</b>   |                              | <b>\$748,088.00</b> |   |
| Switchgear - industrial 800 amp                        | \$38,200.00                 | \$36,300.00           | N/A                          | N/A                 | N/A   |
| Transformer 3 phase /480v - 300 KVA                    | \$36,800.00                 | \$35,000.00           | N/A                          | N/A                 | N/A   |
| 4" Rigid Conduit and Wiring (Cost per foot)            | \$3,030.00                  | \$2,880.00            | N/A                          | N/A                 | N/A   |
| UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW | \$947,000.00                | \$617,799.00          | N/A                          | \$748,088.00        | Original estimate was incorrectly entered on form |
| <b>Sub-total</b>                                       | <b>\$1,025,030.00</b>       | <b>\$691,979.00</b>   | <b>N/A</b>                   | <b>\$748,088.00</b> | <b>N/A</b>  |
| <b>Total for all systems</b>                           | <b>\$2,525,087.00</b>       | <b>\$1,853,956.00</b> | <b>N/A</b>                   | <b>\$936,770.80</b> | <b>N/A</b>  |

**Components**

| Actual Information              |                           |
|---------------------------------|---------------------------|
| Description                     | File Name                 |
| Switchgear - industrial 800 amp | Information not provided. |

|  |  |  |
|--|--|--|
| Transformer 3 phase/480v - 300 KVA                     | Information not provided.                                  |  |
| 4" Rigid Conduit and Wiring (Cost per foot)            | Information not provided.                                  |  |
| UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW | <p><b>Component Description:</b></p> <p><b>Amount:</b></p> | <p>Comark invoice for 10 percent of payment</p> <p>\$74,808.80</p> |
|  | <p><b>Component Description:</b></p> <p><b>Amount:</b></p> | <p>Comark Invoice 20 percent downpayment</p> <p>\$149,617.60</p>   |
|  | <p><b>Component Description:</b></p> <p><b>Amount:</b></p> | <p>Comark invoice for 70 percent of order</p> <p>\$523,661.60</p>  |

**Cost Information**

**Antennas**

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

| Description  | Predetermined Cost Estimate | Estimated Cost      | Estimated Cost Justification | Actual Cost         | Actual Cost Justification |
|--|-----------------------------|---------------------|------------------------------|---------------------|---------------------------|
| <b>Interim Antenna TFU-8WB-R C160</b>  | <b>\$241,155.00</b>         | <b>\$51,325.00</b>  |                              | <b>\$0.00</b>       |                           |
| Sweep test of existing antenna   | \$6,730.00                  | \$6,400.00          | N/A                          | N/A                 | N/A                       |
| UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized   | \$189,500.00                | \$0.00              | N/A                          | N/A                 | N/A                       |
| UHF " Broadband Panel, Side Mount Auxiliary /Interim, 250 horizontally polarized | <i>\$44,925.00</i>          | \$44,925.00         | N/A                          | N/A                 | N/A                       |
| <b>Primary Antenna TFU-21ETT /VP-R CT3</b>                                       | <b>\$308,530.00</b>         | <b>\$216,861.00</b> |                              | <b>\$185,229.50</b> |                           |
| Sweep test of existing antenna   | \$6,730.00                  | \$6,400.00          | N/A                          | \$5,760.00          | N/A                       |



|  |                |                |     |              |     |
|--|----------------|----------------|-----|--------------|-----|
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)                     | \$12,300.00    | \$10,298.00    | N/A | \$9,267.80   | N/A |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | \$289,500.00   | \$200,163.00   | N/A | \$170,201.70 | N/A |
| <b>Sub-total</b>   | \$549,685.00   | \$268,186.00   | N/A | \$185,229.50 | N/A |
| <b>Total for all systems</b>   | \$2,525,087.00 | \$1,853,956.00 | N/A | \$936,770.80 | N/A |

## Components

| Actual Information  |                           |
|---|---------------------------|
| Description   | File Name                 |
| Sweep test of existing antenna  | Information not provided. |
| UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized  | Information not provided. |
| UHF " Broadband Panel, Side Mount Auxiliary/Interim, 250 horizontally polarized | Information not provided. |

|   |   |
|---|---|
| <p>Sweep test of existing antenna</p>   | <p><b>Component Description:</b> 10 percent of repack sweep<br/><b>Amount:</b> \$640.00</p> <p><b>Component Description:</b> 80 percent of repack sweep<br/><b>Amount:</b> \$5,120.00</p>   |
| <p>Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)</p>                     | <p><b>Component Description:</b> 10 percent of elbow complex<br/><b>Amount:</b> \$1,029.80</p> <p><b>Component Description:</b> 80 percent invoice for Elbow complex<br/><b>Amount:</b> \$8,238.00</p>  |
| <p>UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized</p> | <p><b>Component Description:</b> 10 percent of antenna total/ does not include Vpol and elbow section on invoice<br/><b>Amount:</b> \$18,911.30</p> <p><b>Component Description:</b> 80 percent invoice amount does not include Vpol, Elbow and sweep<br/><b>Amount:</b> \$151,290.40</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>\$53,100.00</b>          | <b>\$45,676.00</b>    |   | <b>\$0.00</b>       |                           |
| Flexible Air Transmission Line - dielectric, 3" | \$53,100.00                 | \$45,676.00           | N/A   | N/A                 | N/A                       |
| <b>Primary Transmission Line</b>                | <b>\$39,937.00</b>          | <b>\$39,937.00</b>    |   | <b>\$3,453.30</b>   |                           |
| Additional line                                 | <i>\$3,837.00</i>           | \$3,837.00            | N/A   | \$3,453.30          | N/A                       |
| Feeline antenna switch                          | <i>\$36,100.00</i>          | \$36,100.00           | We have a need for a feedline switch to select either the interim or main antenna during the transition period. | N/A                 | N/A                       |
| <b>Sub-total</b>                                | <b>\$93,037.00</b>          | <b>\$85,613.00</b>    | N/A   | <b>\$3,453.30</b>   | N/A                       |
| <b>Total for all systems</b>                    | <b>\$2,525,087.00</b>       | <b>\$1,853,956.00</b> | N/A   | <b>\$936,770.80</b> | N/A                       |

**Components**

| Actual Information                              |                           |
|---|---------------------------|
| Description                                     | File Name                 |
| Flexible Air Transmission Line - dielectric, 3" | Information not provided. |

|                               |   |                               |                                 |                |          |                               |                                   |                |            |
|-------------------------------|---|-------------------------------|---------------------------------|----------------|----------|-------------------------------|-----------------------------------|----------------|------------|
| Additional line               | <table><tr><td data-bbox="730 174 1038 208"><b>Component Description:</b></td><td data-bbox="1171 174 1331 246">10 percent of<br/>feedline parts</td></tr><tr><td data-bbox="730 255 842 288"><b>Amount:</b></td><td data-bbox="1171 255 1270 288">\$383.70</td></tr><tr><td data-bbox="730 394 1038 427"><b>Component Description:</b></td><td data-bbox="1171 394 1347 465">80 percent of<br/>extra line parts</td></tr><tr><td data-bbox="730 474 842 508"><b>Amount:</b></td><td data-bbox="1171 474 1292 508">\$3,069.60</td></tr></table> | <b>Component Description:</b> | 10 percent of<br>feedline parts | <b>Amount:</b> | \$383.70 | <b>Component Description:</b> | 80 percent of<br>extra line parts | <b>Amount:</b> | \$3,069.60 |
| <b>Component Description:</b> | 10 percent of<br>feedline parts   |                               |                                 |                |          |                               |                                   |                |            |
| <b>Amount:</b>                | \$383.70  |                               |                                 |                |          |                               |                                   |                |            |
| <b>Component Description:</b> | 80 percent of<br>extra line parts   |                               |                                 |                |          |                               |                                   |                |            |
| <b>Amount:</b>                | \$3,069.60  |                               |                                 |                |          |                               |                                   |                |            |
| Feeline antenna switch        | Information not provided.   |                               |                                 |                |          |                               |                                   |                |            |

**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>\$657,800.00</b>         | <b>\$625,000.00</b> |  | <b>\$0.00</b> |                           |
| Tall Tower (greater than 500')   | \$210,500.00                | \$200,000.00        | Costs cover the needed work to complete installation of both the main and interim antennas and removal of old line to support increase tower loading | N/A           | N/A                       |
| Major tower reinforcement /modifications   | \$421,000.00                | \$400,000.00        | N/A  | N/A           | N/A                       |
| Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study | \$26,300.00                 | \$25,000.00         | N/A  | N/A           | N/A                       |
| <b>Sub-total</b>   | <b>\$657,800.00</b>         | <b>\$625,000.00</b> | N/A  | <b>\$0.00</b> | N/A                       |

---

|                              |                |                |     |              |     |
|------------------------------|----------------|----------------|-----|--------------|-----|
| <b>Total for all systems</b> | \$2,525,087.00 | \$1,853,956.00 | N/A | \$936,770.80 | N/A |
|------------------------------|----------------|----------------|-----|--------------|-----|

---

### **Components**

Information not provided.

**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>\$163,845.00</b>         | <b>\$153,745.00</b> |                              | <b>\$0.00</b> |                           |
| Comprehensive coverage verification via field study, if needed  | \$84,200.00                 | \$79,995.00         | N/A                          | N/A           | N/A                       |
| Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet | \$10,520.00                 | \$10,000.00         | N/A                          | N/A           | N/A                       |
| NEPA Section 106 environmental review, if needed  | \$6,310.00                  | \$6,000.00          | N/A                          | N/A           | N/A                       |
| Attorney Fees - Prepare and File request for Special Temporary Authorization                              | \$3,680.00                  | \$3,500.00          | N/A                          | N/A           | N/A                       |
| Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application                       | \$2,365.00                  | \$2,250.00          | N/A                          | N/A           | N/A                       |

|   |            |            |     |     |     |
|---|------------|------------|-----|-----|-----|
| Attorney Fees -<br>Aux Antenna,<br>prepare and<br>File Form 2100<br>Construction<br>Permit or<br>License<br>Application                         | \$4,210.00 | \$4,000.00 | N/A | N/A | N/A |
| Attorney Fees -<br>Prepare and<br>File FCC Form<br>2100 (main),<br>Construction<br>Permit<br>Application  | \$5,260.00 | \$5,000.00 | N/A | N/A | N/A |
| Prepare<br>request for<br>Special<br>Temporary<br>Authorization   | \$2,050.00 | \$1,500.00 | N/A | N/A | N/A |
| RF Consulting<br>Engineer Fees-<br>Aux Antenna:<br>Prepare<br>engineering<br>section of FCC<br>Form 2100,<br>License to<br>Cover<br>Application | \$1,580.00 | \$1,500.00 | N/A | N/A | N/A |
| Prepare<br>engineering<br>section of FCC<br>Form 2100<br>(main), License<br>to Cover<br>Application   | \$1,580.00 | \$1,500.00 | N/A | N/A | N/A |



|  |                     |                     |            |               |            |
|--|---------------------|---------------------|------------|---------------|------------|
| RF Consulting<br>Engineer Fees-<br>Aux Antenna:<br>Prepare<br>engineering<br>section of FCC<br>Form 2100,<br>Construction<br>Permit<br>Application | \$2,105.00          | \$2,000.00          | N/A        | N/A           | N/A        |
| Prepare<br>engineering<br>section of FCC<br>Form 2100<br>(main),<br>Construction<br>Permit<br>Application  | \$3,155.00          | \$3,000.00          | N/A        | N/A           | N/A        |
| Perform<br>engineering<br>study for new<br>channel<br>assignment<br>and antenna<br>development   | \$7,360.00          | \$7,000.00          | N/A        | N/A           | 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        |
| RF Exposure<br>Measurements  | \$21,050.00         | \$20,000.00         | N/A        | N/A           | N/A        |
| Project<br>management of<br>the transition   | \$3,160.00          | \$1,500.00          | N/A        | N/A           | N/A        |
| Prepare and or<br>review<br>reimbursement<br>form  | \$2,630.00          | \$2,500.00          | N/A        | N/A           | N/A        |
| <b>Sub-total</b>   | <b>\$163,845.00</b> | <b>\$153,745.00</b> | <b>N/A</b> | <b>\$0.00</b> | <b>N/A</b> |

---

|                              |                |                |     |              |     |
|------------------------------|----------------|----------------|-----|--------------|-----|
| <b>Total for all systems</b> | \$2,525,087.00 | \$1,853,956.00 | N/A | \$936,770.80 | N/A |
|------------------------------|----------------|----------------|-----|--------------|-----|

---

### **Components**

Information not provided.

**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>\$35,690.00</b>          | <b>\$29,433.00</b> |                                   | <b>\$0.00</b> |                           |
| Equipment Delivery and Handling Charges                                  | <i>\$5,000.00</i>           | \$5,000.00         | N/A                               | N/A           | N/A                       |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <i>\$2,500.00</i>           | \$2,500.00         | These are costs for trash removal | N/A           | N/A                       |
| Non-zoning permits   | <i>\$10,000.00</i>          | \$10,000.00        | N/A                               | N/A           | N/A                       |
| Local Zoning   | <i>\$5,000.00</i>           | \$5,000.00         | N/A                               | N/A           | N/A                       |
| FCC Filing Fees - Special Temporary Authorization request                | \$195.00                    | \$190.00           | N/A                               | N/A           | N/A                       |
| FCC Filing Fees - Form 2100 license to cover application                 | \$335.00                    | \$325.00           | N/A                               | N/A           | N/A                       |
| FCC Filing Fees - Form 2100 minor change CP application                  | \$1,110.00                  | \$1,070.00         | N/A                               | N/A           | N/A                       |

---

|   |                |                |     |              |     |
|---|----------------|----------------|-----|--------------|-----|
| DTV Medical<br>Facility<br>Notification | \$11,550.00    | \$5,348.00     | N/A | N/A          | N/A |
| <b>Sub-total</b>                        | \$35,690.00    | \$29,433.00    | N/A | \$0.00       | N/A |
| <b>Total for all<br/>systems</b>        | \$2,525,087.00 | \$1,853,956.00 | N/A | \$936,770.80 | N/A |

---

### Components

Information not provided.

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

|                              | <b>Predetermined Cost Estimate</b> | <b>Estimated Cost</b> | <b>Actual Cost</b> |
|------------------------------|------------------------------------|-----------------------|--------------------|
| <b>Total for all systems</b> | \$2,525,087.00                     | \$1,853,956.00        | \$936,770.80       |

**Reimbursement Status**

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

| Certification | Section   | Question  | Response |
|---------------|---|---|----------|
|               | <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 data-bbox="758 772 1061 1176">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 data-bbox="758 1198 1061 1444">2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li data-bbox="758 1467 1061 1758">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.

**Larence K  
Oaks**  
*Vice  
President  
of  
Technology  
Meredith  
LMG*

02/20/2019



| 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.

**Larence K  
Oaks**  
*Vice  
President  
of  
Technology  
Meredith  
LMG*

02/20/2019

## Attachments