Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility ID: **41221** | Service: **DTV** | Call Sign: **WNEM-TV** | Channel: **30 (UHF)**

File Number: **0000027599**

FRN: **0018223693** | Date Submitted: **11/25/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|---|---|---|---|---|
| **MEREDITH CORPORATION**<br>Doing Business As: MEREDITH CORPORATION | Joshua Pila<br>1716 LOCUST STREET<br>DES MOINES, IA 50309<br>United States | +1 (515) 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 |
| --- | --- |
| 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 | The WNEM repack plan includes the replacement of main solid state transmitter, addition of a interim antenna, and replacement of current side mounted horizontal antenna with top mounted elliptical antenna. all expected costs are included |

## Transmitters

| Section | Question | Response |
| --- | --- | --- |
| **Transmitter Related Expenses** | Do you have transmitter related expenses? | Yes |

## Primary Transmitter

### Existing Transmitter Information

| Section | Question | Response |
|---|---|---|
| **Existing Transmitter Description** | Type of change | Purchase New |
| | Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is this transmitter currently shared with another station? | No |
| | Is this transmitter currently in operating condition? | Yes |
| **Existing Transmitter Manufacturer and Type** | Manufacturer | |
| | Model | DCX/IOX |
| | Year | 2002 |
| | Type | Inductive Output Tube |
| | IOT Power Type | Two |
| | Power Capacity | 36.15 kW |

## Primary Transmitter

### New Transmitter Costs

| Section | Question | Response |
|---|---|---|
| **New Transmitter** | Use | Primary (Main) |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | Yes |
| | Manufacturer | |
| | Model | PARALLAX HPTV-PARLX-U24 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 39.3 kW |
| | Justification for New Transmitter | The current transmitter is not returnable or available and we intend on replacing with a solid state transmitter with power level to support new elliptical antenna. A comparison chart of transmitter costs along with costs of the IOT are attached. |

## Primary Transmitter

### Other Transmitter Costs

| Section | Question | Response |
|---|---|---|
| **Electrical Service** | Service Entrance (3 phases 800A 208V) | No |
| | Switchgear (industrial 800 amp) | No |
| | Transformer (480V) | No |
| | Power | N/A |
| | Rigid Conduit and Wiring | No |
| | Size | N/A |
| | Length | N/A |
| | Other Electrical Service | Yes |
| | Description | These costs are for the electrical work required to support the new Transmitter and Heat Exchanger. |
| **HVAC Service** | Does the replacement transmitter require HVAC Service? | No |
| | Type | N/A |
| | Size | N/A |
| | Other Size | N/A |
| **Transmitter Building Addition/Modification or Leasehold Improvement** | Does the Transmitter Building require an addition, modification, other leashold improvement? | No |
| | Size | N/A |
| **Channel 14 Costs** | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |

| | | |
|---|---|---|
| | Number of Days | N/A |

## Primary Transmitter

### Other Transmitter Cost Not Listed

| Name | Description |
|---|---|
| **Project managment and planning** | Comark site planning visit and design. A quote is attached |

## Antennas

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

## Primary Antenna

### Existing Antenna Information

| Section | Question | Response |
|---|---|---|
| **Existing Antenna Description** | Type of change | Purchase New |
| | Antenna Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is the existing antenna shared with another station or stations? | No |
| | Is the existing antenna directional? | Yes |
| | Is antenna in operating condition? | Yes |
| | Is antenna located on or in close proximity to an antenna farm? | No |
| **Existing Antenna Manufacturer and Type** | Class | Full Power |
| | Mounting | Side Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | Type | Slotted Coaxial |
| | Number of Stations Supported | N/A |
| | Number of Panels | N/A |
| | Design power capacity in use | N/A |
| | Lower Limit | N/A |
| | Upper Limit | N/A |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 1000.0 kW |
| | | |

| | |
|---|---|
| Manufacturer | |
| Model | TFU-30DSC-R 4C140 |
| Year | 2002 |

## Primary Antenna

### New Antenna Costs

| Section | Question | Response |
|---|---|---|
| **New Antenna Description** | Use | Primary (Main) |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | Yes |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | No |
| | Is antenna directional? | Yes |
| | Will antenna be located on or in close proximity to an antenna farm? | No |
| **New Antenna Manufacturer and Types** | Class | Full Power |
| | Mounting | Top Mount |
| | Antenna position in stack | Top |
| | 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) | 1000.0 kW |
| | Manufacturer | |

| | | |
|---|---|---|
| | Model | TFU-31ETT /VP-R 4C140 |
| | Year | 2017 |
| | Justification for New Antenna | The current antenna is a single channel and cannot be retuned. |

**Primary Antenna**

### Other Antenna Costs

| Section | Question | Response |
|---|---|---|
| **Combiner for Shared Antenna** | Do you need a Combiner for a Shared Antenna? | |
| | Type | |
| | Number of channels supported | N/A |
| | Frequencies of channels supported | N/A |
| | Frequency | N/A |
| | Do you need a combiner output splitter /switcher for dual feed lines? | N/A |
| **Elbow Complex** | Do you require the separate purchase of the Elbow Complex? | Yes |
| | Broadband or Single Channel? | Single Channel |
| | Feed Line Size | 6 1/8 inches inches |
| **Side Mount Brackets** | Do you require the separate purchase of side mount brackets for a high power antenna? | |
| **Pattern Scatter Analysis** | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No |

| | | |
|---|---|---|
| **Sweep Test** | Do you require the sweep testing of transmission line and antenna? | Yes |

**Primary Antenna**

### Other Antenna Cost Not Listed

Information not provided.

## Interim Antenna

### New Antenna Costs

| Section | Question | Response |
|---|---|---|
| **New Antenna Description** | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | No |
| | Is antenna directional? | No |
| | Will antenna be located on or in close proximity to an antenna farm? | No |
| **New Antenna Manufacturer and Type** | Class | Full Power |
| | Mounting | Side Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | Type | Broadband Panel |
| | Number of Stations Supported | 1 |
| | Number of Panels/Bays | 8 |
| | Lower Limit | 460.00 MHz |
| | Upper Limit | 698.00 MHz |
| | Design power capacity in use | 100.0 % |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 20.0 kW |
| | Manufacturer | |
| | Model | TFU-8WB-1-R C160 |
| | Year | 2017 |

| | | |
|---|---|---|
| | Justification for New Antenna | A transition antenna is required to support the replacement of new top mount antenna. |

**Interim Antenna**

### Other Antenna Costs

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

**Interim Antenna**

### Other Antenna Cost Not Listed

Information not provided.

## Transmission Line

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

## 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 | 8 3/16 inches |
| | Other Diameter | N/A |
| | Segment Length | 20 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 1100 feet per run |

## Primary Transmission Line

### Other Transmission Line Expenses Not Listed

| Name | Description |
| --- | --- |
| **Line extension** | A need for 60 foot of additional line is required for the new installation |
| **Feed line switch** | Feedline switch to use between interim and main antenna |

## Primary Transmission Line

### Existing Transmission Line

| Section | Question | Response |
|---|---|---|
| **Existing Transmission Line Description** | Type of change | Purchase New |
| | Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is the existing transmission line shared with another station or stations? | No |
| | Is Transmission Line in operating condition? | Yes |
| **Existing Transmission Line Manufacturer and Type** | Manufacturer | |
| | Type | Rigid |
| | Diameter | 8 3/16 inches |
| | Other Diameter | N/A |
| | Segment Length | 20 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 1100 feet per run |

## Primary Transmission Line

### New Transmission Line

| Section | Question | Response |
|---|---|---|
| **New Transmission Line Costs** | Use | Primary (Main) |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Type | Rigid |
| | Diameter | 6 1/8 inches |
| | Other Diameter | N/A |
| | Segment Length | 20 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 1220 feet per run |
| | Justification for New Transmission Line | Replacement of tower required new line. Old tower is supporting interim operations |

## Primary Transmission Line

### Other Transmission Line Expenses Not Listed

| Name | Description |
|---|---|
| **Three RTLSCR675 20** | Line Swivel |
| **Sixty two T 6 234 MF EX CONN** | Connector |

## Interim Transmission Line

### New Transmission Line

| Section | Question | Response |
|---|---|---|
| **New Transmission Line Costs** | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Type | Flexible Air |
| | Diameter | 3 inches |
| | Segment Length | N/A |
| | Other Segment Length | |
| | Number of parallel runs | 1 |
| | Length | 750 feet per run |
| | Justification for New Transmission Line | We need to add a new line for the interim antenna |

## 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 | Construct New |
| | 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 | 1006698 |
| **Coordinates (NAD83 ( North American Datum of 1983))** | Latitude (NAD83) | 43° 28' 14.0" N- |
| | Longitude (NAD83) | 083° 50' 36.0" W- |
| | Overall Structure Height | 1042.64 feet |
| | Support Structure Height | 971.44 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 584.97 feet |

| | |
|---|---|
| Structure Type | TOWER - Free Standing or Guyed Structure |
| Tower Owner | MEREDITH CORPORATION DBA = WNEM TV |
| Date Constructed | 01/01/1984 |

**Primary Tower**

### Tower Construction Costs

| Section | Question | Response |
|---|---|---|
| **Construct New Tower** | Use | Primary (Main) |
| | Description of Use | N/A |
| | Is this a request for upgraded equipment? | No |
| | Height | 1047.00 feet |
| | Justification for New Tower | Older tower submitted could not be modified to support new standard. |

**Primary Tower**

### Tower Rigging Costs

| Section | Question | Response |
|---|---|---|
| **Tower Rigging Costs** | Complex Tower | N/A |
| **Helicopter Services Required** | Are helicopter services required? | No |

**Primary Tower**

### Other Tower Expenses Not Listed

| Name | Description |
|---|---|
| **Site prep foundations** | Use of mats to support work in farm field |

## Outside Professional Services Costs

| Section | Question | Response |
|---|---|---|
| **Outside Project Management Services** | Do you require outside project management services? | Yes |
| | Number of Hours | 20 |
| | Explanation | We need outside project support to review quotes, project plans along with mapping and review of new antenna performance. Over sight of total installation. |
| **Outside RF consulting Engineering Services** | Perform engineering study for new channel assignment and antenna development | Yes |
| | Prepare engineering section of Form FCC Construction Permit Application | Yes |
| | For Auxiliary Facility | 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 |

| | | |
|---|---|---|
| **Attorney and Other Outside Consulting Services** | 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) | Yes |
| | Negotiation of Lease and other Matter for Shared Locations | Yes |
| | Prepare or Review FCC Form 399 for Reimbursement | Yes |
| | Address transition timing and coordination issues w/ other stations and wireless providers | Yes |
| **RF Field Engineering Services** | Comprehensive coverage verification via field study | Yes |
| | RF exposure measurements | No |
| | Additional Field Engineering Service | No |
| | Number of Days | N/A |
| | Justification | N/A |

## Outside Professional Services Costs

### Other Professional Services Expenses Not Listed

| Name | Description |
| --- | --- |
| **Field review of site and tower mapping** | A onsite review of tower was required |
| **Tower mapping and Analysis** | A survey of tower and analysis |

## Other Expenses

| Section | Question | Response |
|---|---|---|
| **AM Pattern Disturbance** | Is an Impact Study needed? | No |
| | Is Remediation needed? | No |
| **Facility Expenses** | Name | N/A |
| | Other Distributed Transmission System Expenses Not listed | N/A |
| | Name | N/A |
| | Is Notification of a Medical Facility required as a result of DTV broadcasting? | Yes |
| **Permit and Filing Costs** | Local Zoning | 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 |
| **Other Miscellaneous Expenses** | Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)? | Yes |
| | Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs? | 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 |
|---|---|---|---|---|---|
| **Primary Transmitter PARALLAX HPTV-PARLX-U24** | **$1,556,400.00** | **$1,197,148.36** | | **$1,128,535.92** | |
| UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW | $1,473,000.00 | $1,113,748.36 | N/A | $1,113,235.92 | N/A |
| Other Electrical Service: These costs are for the electrical work required to support the new Transmitter and Heat Exchanger. | ***$68,100.00*** | $68,100.00 | N/A | $0.00 | N/A |

| | | | | | |
|---|---|---|---|---|---|
| Project managment and planning | ***$15,300.00*** | $15,300.00 | ***System Notice: Estimate adjusted and locked because line has been superseded. ***This is the cost for transmitter site planning, visit and design. (quote attached) | $15,300.00 | N/A |
| **Sub-total** | $1,556,400.00 | $1,197,148.36 | N/A | $1,128,535.92 | N/A |
| **Total for all systems** | $5,585,192.50 | $5,126,765.86 | N/A | $4,065,067.65 | N/A |

## Components

| Actual Information Description | File Name |
|---|---|

| | | |
|---|---|---|
| UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW | **Component Description:**<br>**Amount:** | 5 percent of Invoice<br>$55,661.80 |
| | **Component Description:**<br>**Amount:** | This invoice is for the last 5 percent of transmitter cost<br>$55,661.80 |
| | **Component Description:**<br>**Amount:** | 70 percent invoice payment<br>$779,265.14 |
| | **Component Description:**<br>**Amount:** | 20 percent invoice<br>$222,647.18 |
| Other Electrical Service: These costs are for the electrical work required to support the new Transmitter and Heat Exchanger. | **Component Description:**<br>**Amount:** | electrical installation costs<br>$68,100.00 |
| Project managment and planning | **Component Description:**<br>**Amount:** | 100 percent invoice for design services<br>$15,300.00 |

## Cost Information

### Antennas

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|---|---|---|---|---|
| **Interim Antenna TFU-8WB-1-R C160** | **$66,630.00** | **$66,300.00** | | **$0.00** | |
| UHF â€“ Broadband Panel, Side Mount Auxiliary /Interim, 20 horizontally polarized | ***$59,900.00*** | $59,900.00 | SYSTEM DIAGNOSTIC - DELETE AND REPLACE WITH APPROPRIATE ESTIMATE | $0.00 | Amount is the same as originally submitted. |
| Sweep test of existing antenna | $6,730.00 | $6,400.00 | N/A | $0.00 | N/A |
| **Primary Antenna TFU-31ETT /VP-R 4C140** | **$308,530.00** | **$278,943.00** | | **$396,268.80** | |
| Sweep test of existing antenna | $6,730.00 | $6,400.00 | N/A | $10,240.00 | N/A |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed) | $12,300.00 | $10,298.00 | N/A | $16,476.80 | N/A |

| | | | | | |
|---|---|---|---|---|---|
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | $289,500.00 | $262,245.00 | N/A | $369,552.00 | N/A |
| **Sub-total** | $375,160.00 | $345,243.00 | N/A | $396,268.80 | N/A |
| **Total for all systems** | $5,585,192.50 | $5,126,765.86 | N/A | $4,065,067.65 | N/A |

## Components

| Actual Information Description | File Name | |
|---|---|---|
| UHF â€“ Broadband Panel, Side Mount Auxiliary/Interim, 20 horizontally polarized | **Component Description:**<br>**Amount:** | 45 percent of Interim antenna<br>$20,216.25 |
| | **Component Description:**<br>**Amount:** | 45 percent of Interim antenna<br>$20,216.25 |
| Sweep test of existing antenna | **Component Description:**<br>**Amount:** | 45 percent of interim antenna sweep<br>$2,880.00 |
| | **Component Description:**<br>**Amount:** | 45 percent of Interim antenna<br>$2,880.00 |

| | | |
|---|---|---|
| Sweep test of existing antenna | **Component Description:** | 80 percent on main antenna sweep |
| | **Amount:** | $5,120.00 |
| | **Component Description:** | 80 percent of main antenna RF sweep |
| | **Amount:** | $5,120.00 |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed) | **Component Description:** | 80 percent of elbow complex |
| | **Amount:** | $8,238.40 |
| | **Component Description:** | 80 percent of main antenna elbow Elbow complex |
| | **Amount:** | $8,238.40 |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | **Component Description:** | 80 percent of main antenna |
| | **Amount:** | $184,776.00 |
| | **Component Description:** | 80 percent of main antenna |
| | **Amount:** | $184,776.00 |

## Cost Information

### Transmission Line

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|---|---|---|---|---|
| **Interim Transmission Line** | **$44,250.00** | **$42,836.00** | | **$0.00** | |
| Flexible Air Transmission Line - dielectric, 3" | $44,250.00 | $42,836.00 | Line length required to feed interim antenna | $0.00 | N/A |
| **Primary Transmission Line** | **$0.00** | **$0.00** | | **$0.00** | |
| **Primary Transmission Line** | **$257,795.50** | **$207,430.50** | | **$167,647.50** | |
| Sixty two T 6 234 MF EX CONN | ***$6,200.00*** | $6,200.00 | N/A | $5,580.00 | N/A |
| Three RTLSCR675 20 | ***$5,155.50*** | $5,155.50 | N/A | $4,639.96 | N/A |
| Rigid Transmission Line - copper, 6 1/8" | $246,440.00 | $196,075.00 | 100 percent of new line to support new tower. | $157,427.54 | N/A |
| **Sub-total** | $302,045.50 | $250,266.50 | N/A | $167,647.50 | N/A |
| **Total for all systems** | $5,585,192.50 | $5,126,765.86 | N/A | $4,065,067.65 | N/A |

### Components

| Actual Information Description | File Name |
|---|---|

| | | |
|---|---|---|
| Flexible Air Transmission Line - dielectric, 3" | **Component Description:** | 45 percent of Interim antenna |
| | **Amount:** | $13,351.59 |
| | **Component Description:** | 45 percent of Interim antenna feedline |
| | **Amount:** | $13,351.59 |
| Sixty two T 6 234 MF EX CONN | **Component Description:** | 45 percent of MF EX CONN |
| | **Amount:** | $2,790.00 |
| | **Component Description:** | 45 percent of MF EX CONN |
| | **Amount:** | $2,790.00 |
| Three RTLSCR675 20 | **Component Description:** | 45 percent of RTLSCR675 20 |
| | **Amount:** | $2,319.98 |
| | **Component Description:** | 45 percent of RTLSCR675 20 |
| | **Amount:** | $2,319.98 |
| Rigid Transmission Line - copper, 6 1/8" | **Component Description:** | 45 percent of main antenna feed line run |
| | **Amount:** | $78,713.77 |
| | **Component Description:** | 45 percent of main antenna feedline |
| | **Amount:** | $78,713.77 |

## Cost Information

### Tower Equipment and Rigging Costs

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|---|---|---|---|---|
| **Primary Tower TOWER** | **$0.00** | **$0.00** | | **$0.00** | |
| **Primary Tower** | **$3,154,410.00** | **$3,154,410.00** | | **$2,370,615.43** | |
| Site prep foundations | ***$188,300.00*** | $188,300.00 | Rubber or wood mats to support Heavy machinery to work in field | N/A | N/A |
| Enviromental review | ***$2,000.00*** | $2,000.00 | ***System Notice: Estimate adjusted and locked because line has been superseded. *** | $2,000.00 | N/A |
| New tower between 1000' and 1500' without elevator, presumptive soil conditions | $2,753,610.00 | $2,753,610.00 | N/A | $2,368,615.43 | N/A |
| Tall Tower (greater than 500') | $210,500.00 | $210,500.00 | N/A | N/A | N/A |
| **Sub-total** | $3,154,410.00 | $3,154,410.00 | N/A | $2,370,615.43 | N/A |

| | | | | | |
|---|---|---|---|---|---|
| **Total for all systems** | $5,585,192.50 | $5,126,765.86 | N/A | $4,065,067.65 | N/A |

## Components

| Actual Information Description | File Name | |
|---|---|---|
| Site prep foundations | Information not provided. | |
| Enviromental review | **Component Description:**<br>**Amount:** | 100 percent of NEPA review<br>$2,000.00 |
| New tower between 1000' and 1500' without elevator, presumptive soil conditions | **Component Description:**<br>**Amount:**<br>**Component Description:**<br>**Amount:** | 50 percent of new tower and installation<br>$1,219,946.62<br>40 percent of tower costs includes installation and change notices<br>$1,148,668.81 |
| Tall Tower (greater than 500') | 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 |
|---|---|---|---|---|---|
| **Outside Professional Services** | **$167,110.00** | **$157,560.00** | | **$2,000.00** | |
| Tower mapping and Analysis | ***$16,000.00*** | $16,000.00 | N/A | N/A | N/A |
| Field review of site and tower mapping | ***$2,000.00*** | $2,000.00 | N/A | N/A | N/A |
| Comprehensive coverage verification via field study, if needed | $84,200.00 | $79,995.00 | N/A | N/A | N/A |
| FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase | $2,105.00 | $2,105.00 | 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 | $2,000.00 | 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 - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application | $4,210.00 | $4,000.00 | N/A | N/A | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | $5,260.00 | $5,000.00 | N/A | N/A | N/A |
| Perform engineering study for new channel assignment and antenna development | $7,360.00 | $7,000.00 | N/A | N/A | N/A |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | $3,155.00 | $3,000.00 | N/A | N/A | N/A |

| | | | | | |
|---|---|---|---|---|---|
| RF Consulting Engineer Fees-Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application | $2,105.00 | $2,000.00 | N/A | N/A | N/A |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | $1,580.00 | $1,500.00 | N/A | N/A | N/A |
| RF Consulting Engineer Fees-Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application | $1,580.00 | $1,500.00 | N/A | N/A | N/A |
| Attorney Fees - Negotiation of lease and other matters for shared locations | $4,210.00 | $4,210.00 | N/A | N/A | N/A |
| Project management of the transition | $3,160.00 | $3,000.00 | N/A | N/A | N/A |
| Prepare and or review reimbursement form | $2,630.00 | $2,500.00 | N/A | N/A | N/A |

| | | | | | |
|---|---|---|---|---|---|
| Address transition timing and coordination issues w/ other stations and wireless | $2,630.00 | $500.00 | N/A | N/A | N/A |
| Prepare request for Special Temporary Authorization | $2,050.00 | $1,500.00 | 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 |
| **Sub-total** | $167,110.00 | $157,560.00 | N/A | $2,000.00 | N/A |
| **Total for all systems** | $5,585,192.50 | $5,126,765.86 | N/A | $4,065,067.65 | N/A |

### Components

| Actual Information Description | File Name |
|---|---|
| Tower mapping and Analysis | Information not provided. |
| Field review of site and tower mapping | Information not provided. |
| Comprehensive coverage verification via field study, if needed | Information not provided. |
| FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase | Information not provided. |
| Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet | **Component Description:** 100 percent of NEPA review<br>**Amount:** $2,000.00 |

| | |
|---|---|
| Attorney Fees - Prepare and File request for Special Temporary Authorization | Information not provided. |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application | Information not provided. |
| Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application | Information not provided. |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | Information not provided. |
| Perform engineering study for new channel assignment and antenna development | Information not provided. |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | Information not provided. |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application | Information not provided. |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | Information not provided. |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application | Information not provided. |
| Attorney Fees - Negotiation of lease and other matters for shared locations | Information not provided. |
| Project management of the transition | Information not provided. |
| Prepare and or review reimbursement form | Information not provided. |

| | |
|---|---|
| Address transition timing and coordination issues w/ other stations and wireless | Information not provided. |
| Prepare request for Special Temporary Authorization | Information not provided. |
| NEPA Section 106 environmental review, if needed | 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 |
|---|---|---|---|---|---|
| **Other Expenses** | **$30,067.00** | **$22,138.00** | | **$0.00** | |
| Equipment Delivery and Handling Charges | ***$10,000.00*** | $10,000.00 | The main antenna delivery was not included on quote | N/A | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | ***$1,577.00*** | $1,577.00 | Dumpster and trash removal for construction. | 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 |
| FCC Filing Fees - Special Temporary Authorization request | $195.00 | $190.00 | N/A | N/A | N/A |
| DTV Medical Facility Notification | $11,550.00 | $3,676.00 | N/A | N/A | N/A |
| Local Zoning | ***$300.00*** | $300.00 | N/A | N/A | N/A |

| | | | | | |
|---|---|---|---|---|---|
| Non-zoning permits | ***$5,000.00*** | $5,000.00 | N/A | N/A | N/A |
| **Sub-total** | $30,067.00 | $22,138.00 | N/A | $0.00 | N/A |
| **Total for all systems** | $5,585,192.50 | $5,126,765.86 | N/A | $4,065,067.65 | N/A |

## Components

Information not provided.

## Cost Information

### Grand Total

| | Predetermined Cost Estimate | Estimated Cost | Actual Cost |
|---|---|---|---|
| **Total for all systems** | $5,585,192.50 | $5,126,765.86 | $4,065,067.65 |

## Reimbursement Status

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

## Certification

| Section | Question | Response |
| --- | --- | --- |
| **Submission of Estimated Expenses Statements** | WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT. | |
| | 1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.<br>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.<br>3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. | |

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

| | | |
|---|---|---|
| | 8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested. | |
| | I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above. | **Larence K Oaks**<br>*Manger of repack Meredith LMG*<br><br>11/25/2019 |

## Certification

| Section | Question | Response |
| --- | --- | --- |
| **Submission of Actual Cost Documentation Statements** | WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733). | |
| | 1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.<br>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.<br>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. | |

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

| | | |
|---|---|---|
| | 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.<br>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**<br>*Technology Meredith LMG*<br><br>11/25/2019 |

## Attachments