

(REFERENCE COPY - Not for submission)

#### FCC Form 399: Reimbursement Request

Facility 33336 Service: DTV Call KSMO-TV Channel: 32 (UHF)

ID:

Sign:

File **0000027827** 

Number:

FRN: **0018223693** Date **07/11** 

Submitted: /2017

## Applicant Information

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

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

#### Reimbursement Contact Name and Information Reimbursement Contact Information

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

#### Preparer Contact Information

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

| Applicar     | nt |  | Address | Phone | Email |
|--------------|----|--|---------|-------|-------|
| <b>T</b> . 5 |    |  |         |       |       |

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 KSMO repack plan includes the replacement of main transmitter, addition of a transitional antenna, and new top mounted antenna. It also includes all the analysis, engineering evaluation and electrical systems, tower work and filing costs. |

#### **Transmitters**

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

#### Primary Transmitter

#### **Existing Transmitter Information**

| Section                          | Question   | Response                 |
|----------------------------------|--|--------------------------|
| Existing Transmitter Description | Type of change   | Purchase<br>New          |
|                                  | Use  | Primary<br>(Main)        |
|                                  | Description of Use   | N/A                      |
|                                  | Ownership  | Owned                    |
|                                  | Owner  | N/A                      |
|                                  | Site   | N/A                      |
|                                  | Is this transmitter currently shared with another station? | No                       |
|                                  | Is this transmitter currently in operating condition?      | Yes                      |
| Existing Transmitter             | Manufacturer   |                          |
| Manufacturer and Type            | Model  | Quantum<br>QX2           |
|                                  | Year   | 2002                     |
|                                  | Туре   | Inductive<br>Output Tube |
|                                  | IOT Power Type   | Two                      |
|                                  | Power Capacity   | 43.15 kW                 |

#### Primary Transmitter

#### **New Transmitter Costs**

| Section         | Question                                  | Response   |
|-----------------|---|--|
| New Transmitter | Use                                       | Primary<br>(Main)  |
|                 | Change Type                               | Purchase<br>New  |
|                 | Is this a request for upgraded equipment? | Yes  |
|                 | Manufacturer                              |  |
|                 | Model                                     | Parallax<br>HPTV-<br>PRLX-U42  |
|                 | Transmitter Type                          | Solid State  |
|                 | Solid State Cooling                       | Liquid<br>Cooled   |
|                 | Solid State Power capacity                | 62.8 kW  |
|                 | Justification for New Transmitter         | The current transmitter is no longer available and cannot be retuned. An upgrade to solid state with additional TPO to support an elliptical is planned. |

#### 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  | Costs for electrical work to install transmitter and heat exchanger |
| HVAC Service  | Does the replacement transmitter require HVAC Service?                                       | No  |
|   | Туре   | 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

**Other Transmitter Cost Not Listed** 

**Transmitter** Information not provided.

#### **Antennas**

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

#### **Existing Antenna Information**

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

| Manufacturer |                        |
|--------------|------------------------|
| Model        | TFU-<br>30GTH-R-<br>O4 |
| Year         | 2002                   |

#### **New Antenna Costs**

| Section                 | Question   | Response           |
|-------------------------|--|--------------------|
| New Antenna Description | Use  | Primary<br>(Main)  |
|                         | Description of Use   | N/A                |
|                         | Change Type  | Purchase<br>New    |
|                         | Is this a request for upgraded equipment?                            | 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                 |
| New Antenna             | Class  | Full Power         |
| Manufacturer and Types  | Mounting   | Top Mount          |
|                         | Antenna position in stack  | Тор                |
|                         | Polarization   | Elliptical         |
|                         | Туре   | Slotted<br>Coaxial |
|                         | Number of Stations Supported   | N/A                |
|                         | Number of Panels/Bays  | N/A                |
|                         | Lower Limit  | N/A                |
|                         | Upper Limit  | N/A                |
|                         | Design power capacity in use   | N/A                |
|                         | Other Antenna Type   | N/A                |
|                         | ERP: (Effective Radiated Power)                                      | 750.0 kW           |
|                         | Manufacturer   |                    |
|                         |  |                    |

| Model                         | TFU-24GTH<br>/VP-R O4                                      |
|-------------------------------|--|
| Year                          | 2017   |
| Justification for New Antenna | Old antenna is single channel design and cannot be retuned |

#### **Other Antenna Costs**

| Section                        | Question  | Response            |
|--------------------------------|---|---------------------|
| Combiner for Shared<br>Antenna | Do you need a Combiner for a Shared Antenna?  | No                  |
|                                | Туре  |                     |
|                                | Number of channels supported  | N/A                 |
|                                | Frequencies of channels supported   | N/A                 |
|                                | Frequency   | N/A                 |
|                                | Do you need a combiner output splitter /switcher for dual feed lines?                                       | N/A                 |
| Elbow Complex                  | Do you require the separate purchase of the Elbow Complex?  | Yes                 |
|                                | Broadband or Single Channel?  | Single<br>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?                       | 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 | Yes |
|------------|-------------------------------------|-----|
|            | transmission line and antenna?      |     |

**Other Antenna Cost Not Listed** 

#### Interim Antenna

#### **New Antenna Costs**

| Section                 | Question   | Response             |
|-------------------------|--|----------------------|
| New Antenna Description | Use  | Interim              |
|                         | Description of Use   | N/A                  |
|                         | Change Type  | Purchase<br>New      |
|                         | Ownership  | Owned                |
|                         | Owner  | N/A                  |
|                         | Is antenna shared?   | No                   |
|                         | Is antenna directional?  | No                   |
|                         | Will antenna be located on or in close proximity to an antenna farm? | No                   |
| New Antenna             | Class  | Full Power           |
| Manufacturer and Type   | Mounting   | Side Mount           |
|                         | Antenna position in stack  | Not in Stack         |
|                         | Polarization   | Horizontal           |
|                         | Туре   | Broadband<br>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   | 100.0 %              |
|                         | Other Antenna Type   | N/A                  |
|                         | ERP: (Effective Radiated Power)                                      | 250.0 kW             |
|                         | Manufacturer   |                      |
|                         | Model  | TFU-8WB-<br>1-R C160 |
|                         | Year   | 2017                 |

| Justification for New Antenna | The          |
|-------------------------------|--------------|
|                               | antenna is   |
|                               | required as  |
|                               | an interim   |
|                               | antenna      |
|                               | during       |
|                               | construction |
|                               |              |

#### 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**

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

#### Primary Transmission

#### **Existing Transmission Line**

| Section                                | Question   | Response             |
|--|--|----------------------|
| Existing Transmission Line Description | Type of change   | Utilize<br>Existing  |
|  | Use  | Primary<br>(Main)    |
|  | Description of Use   | N/A                  |
|  | Ownership  | Owned                |
|  | Owner  | N/A                  |
|  | Site   | N/A                  |
|  | Is the existing transmission line shared with another station or stations? | No                   |
|  | Is Transmission Line in operating condition?                               | Yes                  |
| Existing Transmission                  | Manufacturer   | Dielectric           |
| Line Manufacturer and<br>Type          | Туре   | Rigid                |
|  | Diameter   | 8 3/16 inches        |
|  | Other Diameter   | N/A                  |
|  | Segment Length   | Broadband            |
|  | Other Segment Length   | N/A                  |
|  | Number of parallel runs  | 1                    |
|  | Length   | 1205 feet<br>per run |

#### **Primary**

#### Other Transmission Line Expenses Not Listed

| Transmission | า <mark>ฟaine</mark>       | Description  |
|--------------|----------------------------|--|
|              | Feed line additional parts | Additional line parts to use current feed line   |
|              | Feed line switch           | The feedline switch will be used to switch between the Main and interim antennas during the transition |

#### Interim

#### **New Transmission Line**

| Interim |   |  |                     |  |
|---------|---|--|---------------------|--|
|         | Section                                 | Question                                       | Response            |  |
|         | New Transmission Line                   | Use  | Interim             |  |
|         | Costs                                   | Description of Use                             | N/A                 |  |
|         |   | Change Type                                    | Purchase<br>New     |  |
|         |   | Туре   | Flexible Air        |  |
|         |   | Diameter                                       | 3 inches            |  |
|         |   | Segment Length                                 | N/A                 |  |
|         |   | Other Segment Length                           |                     |  |
|         |   | Number of parallel runs                        | 1                   |  |
|         |   | Length   | 850 feet<br>per run |  |
|         | Justification for New Transmission Line | A new line is required for new interim antenna |                     |  |

Other Transmission Line Expenses Not Listed

Interim
Transmission loine tion not provided.

## Tower Equipment And Rigging Costs

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

#### Primary Tower

#### **Existing Tower**

|                                | Question  | Response             |
|--------------------------------|---|----------------------|
| Existing Tower                 | Type of change  | Modify Existing      |
| Description                    | Tower Use   | Primary (Main)       |
|                                | Description of Use                                      | N/A                  |
|                                | Ownership   | Leased               |
|                                | Is this tower consider Complex?                         | Candelabra           |
|                                | 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?                          | No                   |
| Existing Tower                 | Do you have a tower registration number?                | Yes                  |
| Structure Registration         | ASR Number  | 1211744              |
| Coordinates (NAD83 (           | Latitude (NAD83)  | 39° 05' 25.8" N-     |
| North American Datum of 1983)) | Longitude (NAD83)                                       | 094° 28' 19.2"<br>W- |
|                                | Overall Structure Height                                | 1167.96 feet         |
|                                | Support Structure Height                                | 1050.84 feet         |
|                                | Ground Elevation Above Mean Sea Level (AMSL)            | 880.89 feet          |

| Structure Type   | GTOWER - Guyed Structure Used for Communication Purposes |
|------------------|--|
| Tower Owner      | American<br>Towers, LLC.                                 |
| Date Constructed | 09/15/2003   |

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 |
|-------------|-----------|---------|
| 11279       | KCKC      | FM      |
| 4933        | KLRX      | FM      |
| 6385        | KCMO-FM   | FM      |

#### Primary Tower

#### **Tower Modification Costs**

| Section              | ection Question  |  |
|----------------------|--|--|
| Engineering Study    | Please what type of engineering study is required, if any: | Study needed for tower with candelabra |
| Tower Reinforcements | Please select whether tower reinforcements are needed:     | Minor<br>Reinforcements<br>needed      |

#### Primary Tower

#### **Tower Rigging Costs**

| Section                         | Question                          | Response   |
|---------------------------------|-----------------------------------|------------|
| Tower Rigging Costs             | Complex Tower                     | Candelabra |
| Helicopter Services<br>Required | Are helicopter services required? | No         |

#### Primary Tower

#### Other Tower Expenses Not Listed

| Name                            | Description                                      |  |  |
|---------------------------------|--|--|--|
| Tower Study                     | Tower Study for documented tower with Candelabra |  |  |
| Tower permit drawing            | Submission documents for permit                  |  |  |
| Construction project Management | Tower modification and reinforcements            |  |  |

#### Outside Professional

| Section  | Question   | Response   |
|--|--|--|
| Services Costs Outside Project Management Services | Do you require outside project management services?                          | Yes  |
|  | Number of Hours  | 40   |
|  | Explanation  | Outside project management is required due to limited staff. It will consist of site planning and on site engineering. |
| Outside RF consulting<br>Engineering Services      | Perform engineering study for new channel assignment and antenna development | Yes  |
|  | Prepare engineering section of Form FCC Construction Permit Application      | Yes  |
|  | For Auxiliary Facility   | 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              | Prepare and file Form FCC Construction Permit Application                    | Yes  |
| Services   | 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                                 | Yes |
|                                  | Prepare or Review FCC Form 399 for Reimbursement   | Yes |
|                                  | Address transition timing and coordination issues w/ other stations and wireless providers | Yes |
| RF Field Engineering<br>Services | Comprehensive coverage verification via field study  | Yes |
|                                  | RF exposure measurements   | Yes |
|                                  | Additional Field Engineering Service   | No  |
|                                  | Number of Days   | N/A |
|                                  | Justification  | N/A |
|                                  |  |     |

#### Outside Professional

#### Other Professional Services Expenses Not Listed

| al | Services Costs                    | Description                      |  |  |
|----|-----------------------------------|----------------------------------|--|--|
|    | Transmitter site Study and review | Installation planning and design |  |  |

## Other Expenses

| Section                         | Question   | Response |
|---------------------------------|--|----------|
| AM Pattern Disturbance          | Is an Impact Study needed?   | No       |
|                                 | Is Remediation needed?   | No       |
| Facility Expenses               | Name   | N/A      |
|                                 | Other Distributed Transmission System<br>Expenses Not listed   | N/A      |
|                                 | Name   | N/A      |
|                                 | Is Notification of a Medical Facility required as a result of DTV broadcasting?                                      | Yes      |
| Permit and Filing Costs         | Local Zoning   | No       |
|                                 | Non-zoning permits   | 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<br>Expenses | Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?        | Yes      |
|                                 | Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs? | No       |
|                                 | Does this relocation require Equipment Storage?  | No       |
|                                 | 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 Not Listed

**Expenses** 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<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification  | Actual<br>Cost | Actual Cost<br>Justification |
|--|--------------------------------|-------------------|---|----------------|------------------------------|
| Primary<br>Transmitter<br>Parallax HPTV-<br>PRLX-U42   | \$1,805,627.00                 | \$1,803,727.00    |   | \$0.00         |                              |
| Other Electrical<br>Service: Costs<br>for electrical<br>work to install<br>transmitter and<br>heat exchanger | \$34,190.00                    | \$34,190.00       | The costs for installation of transmitter and heat exchanger ( see attached quote ) | N/A            | N/A                          |
| Switchgear -<br>industrial 800<br>amp  | \$38,200.00                    | \$36,300.00       | N/A   | N/A            | N/A                          |
| UHF - Liquid<br>Cooled Solid<br>State<br>Transmitter 62.8<br>kW  | \$1,733,237.00                 | \$1,733,237.00    | N/A   | N/A            | N/A                          |
| Sub-total  | \$1,805,627.00                 | \$1,803,727.00    | N/A   | \$0.00         | N/A                          |
| Total for all systems  | \$3,304,795.00                 | \$2,845,720.00    | N/A   | \$0.00         | N/A                          |

#### Components

## **Cost Information**

#### **Antennas**

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

| Description   | Predetermined<br>Cost Estimate | Estimated<br>Cost | Estimated Cost Justification | Actual<br>Cost | Actual Cost<br>Justification |
|---|--------------------------------|-------------------|------------------------------|----------------|------------------------------|
| Interim Antenna<br>TFU-8WB-1-R<br>C160  | \$256,130.00                   | \$66,300.00       |                              | \$0.00         |                              |
| UHF – Broadband Panel, Side Mount Auxiliary /Interim, 250 horizontally polarized                      | \$59,900.00                    | \$59,900.00       | N/A                          | N/A            | N/A                          |
| Sweep test of existing antenna  | \$6,730.00                     | \$6,400.00        | N/A                          | N/A            | N/A                          |
| UHF - Lower<br>Power Side<br>Mount, One<br>station - 200-<br>500 kW,<br>horizontally<br>polarized     | \$189,500.00                   | \$0.00            | N/A                          | N/A            | N/A                          |
| Primary<br>Antenna TFU-<br>24GTH/VP-R O4  | \$308,530.00                   | \$225,791.00      |                              | \$0.00         |                              |
| Sweep test of existing antenna  | \$6,730.00                     | \$6,400.00        | N/A                          | N/A            | N/A                          |
| UHF - High Power Top Mount (200- 1000 kW), One station antenna , elliptically or circularly polarized | \$289,500.00                   | \$209,093.00      | N/A                          | N/A            | N/A                          |

| Elbow complex,<br>single channel,<br>at antenna<br>input, per 6 1/8.<br>feedline (if<br>needed) | \$12,300.00    | \$10,298.00    | N/A | N/A    | N/A |
|---|----------------|----------------|-----|--------|-----|
| Sub-total   | \$564,660.00   | \$292,091.00   | N/A | \$0.00 | N/A |
| Total for all systems   | \$3,304,795.00 | \$2,845,720.00 | N/A | \$0.00 | N/A |

#### Components

## **Cost** Information

#### **Transmission Line**

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

|  |                             |                   | Estimated   |                |                              |
|--|-----------------------------|-------------------|---|----------------|------------------------------|
| Description  | Predetermined Cost Estimate | Estimated<br>Cost | Cost<br>Justification   | Actual<br>Cost | Actual Cost<br>Justification |
| Interim<br>Transmission<br>Line                          | \$50,150.00                 | \$43,570.00       |   | \$0.00         |                              |
| Flexible Air<br>Transmission<br>Line - dielectric,<br>3" | \$50,150.00                 | \$43,570.00       | N/A   | N/A            | N/A                          |
| Primary<br>Transmission<br>Line                          | \$46,153.00                 | \$46,153.00       |   | \$0.00         |                              |
| Feed line additional parts                               | \$10,053.00                 | \$10,053.00       | N/A   | N/A            | N/A                          |
| Feed line switch   | \$36,100.00                 | \$36,100.00       | The feedline switch is to be used to switch between main and interim antenna during transition and testing. | N/A            | N/A                          |
| Sub-total  | \$96,303.00                 | \$89,723.00       | N/A   | \$0.00         | N/A                          |
| Total for all systems                                    | \$3,304,795.00              | \$2,845,720.00    | N/A   | \$0.00         | N/A                          |

#### Components

## **Cost Information**

#### **Tower Equipment and Rigging Costs**

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

| Description  | Predetermined Cost Estimate | Estimated<br>Cost | Estimated Cost Justification   | Actual<br>Cost | Actual Cost<br>Justification |
|--|-----------------------------|-------------------|--|----------------|------------------------------|
| Primary<br>Tower<br>GTOWER   | \$633,500.00                | \$466,649.00      |  | \$0.00         |                              |
| Tower Study  | \$24,800.00                 | \$24,800.00       | Tower<br>Mapping<br>Analysis   | N/A            | N/A                          |
| Tower permit drawing   | \$4,700.00                  | \$4,700.00        | Cost for drawings to support tower permit  | N/A            | N/A                          |
| Construction<br>project<br>Management  | \$5,000.00                  | \$5,000.00        | This is required for tower crew oversight on leased tower  | N/A            | N/A                          |
| Structural<br>engineering<br>tower load<br>study for a<br>documented<br>tower with<br>candelabra | \$20,000.00                 | \$19,550.00       | Rigorous<br>structural<br>analysis to<br>determine<br>capacity and<br>modifications<br>needed to<br>accommodate<br>repacked<br>equipment | N/A            | N/A                          |
| Minor tower reinforcement /modifications   | \$158,000.00                | \$200,000.00      | Costs for tower reinforcements   | N/A            | N/A                          |

| Complex               | \$421,000.00   | \$212,599.00   | Costs for       | N/A    | N/A |
|-----------------------|----------------|----------------|-----------------|--------|-----|
| Tower                 |                |                | installation of |        |     |
| (includes, for        |                |                | main and        |        |     |
| example,              |                |                | Interim         |        |     |
| those with            |                |                | antennas and    |        |     |
| candelabras           |                |                | feedline        |        |     |
| and/or                |                |                |                 |        |     |
| stacked               |                |                |                 |        |     |
| antennas)             |                |                |                 |        |     |
| Sub-total             | \$633,500.00   | \$466,649.00   | N/A             | \$0.00 | N/A |
| Total for all systems | \$3,304,795.00 | \$2,845,720.00 | N/A             | \$0.00 | N/A |

#### Components

## **Cost Information**

#### **Outside Professional Services**

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

| Description  | Predetermined<br>Cost Estimate | Estimated Cost | Estimated<br>Cost<br>Justification                                     | Actual<br>Cost | Actual Cost<br>Justification |
|--|--------------------------------|----------------|--|----------------|------------------------------|
| Outside<br>Professional<br>Services  | \$186,515.00                   | \$175,945.00   |  | \$0.00         |                              |
| Prepare request for Special Temporary Authorization                          | \$2,050.00                     | \$1,500.00     | N/A  | N/A            | N/A                          |
| Project<br>management of<br>the transition                                   | \$6,320.00                     | \$10,000.00    | Costs for site coordination meeting and planning of complex tower site | N/A            | N/A                          |
| Prepare and or review reimbursement form                                     | \$2,630.00                     | \$2,500.00     | N/A  | N/A            | N/A                          |
| Perform engineering study for new channel assignment and antenna development | \$7,360.00                     | \$7,000.00     | N/A  | 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                          |

| NEPA Section<br>106<br>environmental<br>review, if<br>needed  | \$6,310.00  | \$5,400.00  | 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 |
| 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), License to Cover Application                       | \$2,365.00  | \$2,250.00  | N/A | N/A | N/A |
| Attorney Fees -<br>Negotiation of<br>lease and other<br>matters for<br>shared locations                   | \$4,210.00  | \$4,000.00  | 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 |
| Comprehensive coverage verification via field study, if needed  | \$84,200.00 | \$79,995.00 | N/A | N/A | N/A |

| RF Exposure<br>Measurements   | \$21,050.00 | \$15,000.00 | N/A   | N/A | N/A |
|---|-------------|-------------|---|-----|-----|
| Transmitter site<br>Study and<br>review   | \$15,300.00 | \$15,300.00 | Service provided by Comark to plan new transmission plant | 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 |
| Address<br>transition timing<br>and<br>coordination<br>issues w/ other<br>stations and<br>wireless                      | \$2,630.00  | \$2,500.00  | N/A   | N/A | N/A |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application                                    | \$3,155.00  | \$3,000.00  | N/A   | 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  | \$1,580.00     | \$1,500.00     | N/A | N/A    | N/A |
|----------------|----------------|----------------|-----|--------|-----|
| Engineer Fees- |                |                |     |        |     |
| Aux Antenna:   |                |                |     |        |     |
| Prepare        |                |                |     |        |     |
| engineering    |                |                |     |        |     |
| section of FCC |                |                |     |        |     |
| Form 2100,     |                |                |     |        |     |
| License to     |                |                |     |        |     |
| Cover          |                |                |     |        |     |
| Application    |                |                |     |        |     |
| Sub-total      | \$186,515.00   | \$175,945.00   | N/A | \$0.00 | N/A |
| Total for all  | \$3,304,795.00 | \$2,845,720.00 | N/A | \$0.00 | N/A |
| systems        |                |                |     |        |     |

#### Components

## **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<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification   | Actual<br>Cost | Actual Cost<br>Justification |
|---|--------------------------------|-------------------|--|----------------|------------------------------|
| Other Expenses  | \$18,190.00                    | \$17,585.00       |  | \$0.00         |                              |
| MVPD Notification of Channel Change   | \$0.00                         | \$0.00            | 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                          |
| Develop and air announcement of upcoming channel change                                 | \$0.00                         | \$0.00            | N/A  | N/A            | N/A                          |
| Disposal Costs<br>(for equipment<br>and other<br>waste, net of<br>any salvage<br>value) | \$2,000.00                     | \$2,000.00        | Disposal<br>dumpster<br>for trash<br>and<br>construction<br>waste<br>materials | N/A            | N/A                          |
| DTV Medical<br>Facility<br>Notification   | \$11,550.00                    | \$11,000.00       | 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                          |

| Non-zoning permits    | \$3,000.00     | \$3,000.00     | Local<br>construction<br>permits for<br>tower and<br>electrical | N/A    | N/A |
|-----------------------|----------------|----------------|---|--------|-----|
| Sub-total             | \$18,190.00    | \$17,585.00    | N/A   | \$0.00 | N/A |
| Total for all systems | \$3,304,795.00 | \$2,845,720.00 | N/A   | \$0.00 | N/A |

#### Components

## Cost Information

#### **Grand Total**

|                       | Predetermined<br>Cost Estimate | Estimated Cost | Actual Cost |
|-----------------------|--------------------------------|----------------|-------------|
| Total for all systems | \$3,304,795.00                 | \$2,845,720.00 | \$0.00      |

| Reimbursem | envestiatus  | Response |
|------------|--|----------|
|            | The facility has ceased operating on its pre-<br>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       |

Section Question Response

## Submission of Estimated Expenses Statements

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.

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

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

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

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

# Larence K. Oaks Vice President Technology Meredith corp

07/11/2017

#### **Attachments**