



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **37101** | Service: **DTV** | Call **KETD** | Channel: **15 (UHF)**  
ID: | Sign:  
File **0000028706**  
Number:  
FRN: **0001529247** | Date **03/11**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant   | Address   | Phone                       | Email                   | Applicant Type                  |
|---|---|-----------------------------|-------------------------|---------------------------------|
| <b>KRCA LICENSE LLC,<br/>DEBTOR-IN-POSSESSION</b><br>Doing Business As: KRCA<br>LICENSE LLC, DEBTOR-IN-<br>POSSESSION | Chris<br>Buchanan<br>1845<br>EMPIRE<br>AVENUE<br>BURBANK,<br>CA 91504<br>United<br>States | +1<br>(818)<br>729-<br>5300 | chrisb@lbimedia.<br>com | Limited<br>Liability<br>Company |

## Reimbursement Contact Information

### Reimbursement Contact Name and Information

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

## Preparer Contact Information

### Preparer Contact Name and Information

| Applicant                                    | Address   | Phone                 | Email                      |
|--|---|-----------------------|----------------------------|
| <b>Samuel Hariton</b><br><i>Widely, Inc.</i> | 4031 University Drive<br>Fairfax, VA 22030<br>United States | +1 (339) 222-<br>8107 | sam.hariton@widely.<br>com |

**Broadcaster  
Information  
and  
Transition  
Plan**

| Question   | Response  |
|--|---|
| Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information. | Yes   |
| Briefly describe transition plan   | The plan is for KETD to replace the existing channel 45 system with a new channel 15 antenna, new 3-1/8" line and new transmitter. KETD will need to use an interim antenna and line in order to facilitate transition. See attached narrative statement. |

**Transmitters**

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

**Primary  
Transmitter**

**Existing Transmitter Information**

| <b>Section</b>  | <b>Question</b>  | <b>Response</b>   |
|---|--|-------------------|
| <b>Existing Transmitter<br/>Description</b>           | Type of change   | Purchase<br>New   |
|   | Use  | Primary<br>(Main) |
|   | Description of Use   | N/A               |
|   | Ownership  | Owned             |
|   | Owner  | N/A               |
|   | Site   | N/A               |
|   | Is this transmitter currently shared with another station? | No                |
|   | Is this transmitter currently in operating condition?      | Yes               |
| <b>Existing Transmitter<br/>Manufacturer and Type</b> | Manufacturer   |                   |
|   | Model  | UAX-<br>4000AT    |
|   | Year   | 2011              |
|   | Type   | Solid State       |
|   | Solid State Cooling  | Air Cooled        |
|   | Solid State Power Capacity                                 | 4.2 kW            |

**Primary  
Transmitter**

**New Transmitter Costs**

| Section                | Question                                  | Response  |
|------------------------|---|---|
| <b>New Transmitter</b> | Use                                       | Primary<br>(Main)   |
|                        | Change Type                               | Purchase<br>New   |
|                        | Is this a request for upgraded equipment? | No  |
|                        | Manufacturer                              |   |
|                        | Model                                     | UTAX6   |
|                        | Transmitter Type                          | Solid State   |
|                        | Solid State Cooling                       | Air Cooled  |
|                        | Solid State Power capacity                | 5.4 kW  |
|                        | Justification for New Transmitter         | Retuning requires replacing the mask filter and extensive testing. This cannot be completed in an overnight maintenance and would result in a prolonged outage. An interim transmitter would be needed during this time to ensure continuous broadcast. |

**Primary  
Transmitter**

**Other Transmitter Costs**

| <b>Section</b>   | <b>Question</b>   | <b>Response</b>  |
|--|---|--|
| <b>Electrical Service</b>  | Service Entrance (3 phases 800A 208V)   | No   |
|  | Switchgear (industrial 800 amp)   | No   |
|  | Transformer (480V)  | Yes  |
|  | Power   | 150 kVA  |
|  | Rigid Conduit and Wiring  | No   |
|  | Size  | N/A  |
|  | Length  | N/A  |
|  | Other Electrical Service  | Yes  |
|  | Description   | The new main transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors. |
| <b>HVAC Service</b>  | Does the replacement transmitter require HVAC Service?  | Yes  |
|  | Type  | Cooling Only   |
|  | Size  | 10 tons  |
|  | Other Size  | N/A  |
| <b>Transmitter Building Addition/Modification or Leasehold Improvement</b> | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No   |
|  | Size  | N/A  |
| <b>Channel 14 Costs</b>  | Is an RF Consulting Engineer needed?  | N/A  |

|  |     |
|--|-----|
| Is a channel 14 Mask Filer needed?           | N/A |
| Is additional field engineering time needed? | N/A |
| Number of Days                               | N/A |

**Primary  
Transmitter**

**Other Transmitter Cost Not Listed**

| Name                 | Description   |
|----------------------|---|
| <b>4 Port Switch</b> | A 4 port switch is necessary to allow switching from the interim antenna to the new main antenna. |

**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?                             | Yes                |
|   | Is antenna in operating condition?                               | Yes                |
|   | Is antenna located on or in close proximity to an antenna farm?  | Yes                |
| <b>Existing Antenna<br/>Manufacturer and Type</b> | Class  | Full Power         |
|   | Mounting   | Side 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>.....                         | 100.0 kW           |



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|              |                 |
|--------------|-----------------|
| Manufacturer |                 |
| Model        | AL12M-45-<br>PM |
| Year         | 2011            |

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**Primary  
Antenna**

**New Antenna Costs**

| Section                                   | Question   | Response        |
|---|--|-----------------|
| <b>New Antenna Description</b>            | Use  | Primary (Main)  |
|   | Description of Use   | N/A             |
|   | Change Type  | Purchase New    |
|   | Is this a request for upgraded equipment?                            | No              |
|   | Ownership  | Owned           |
|   | Owner  | N/A             |
|   | Is antenna shared?   | No              |
|   | Is antenna directional?  | Yes             |
|   | Will antenna be located on or in close proximity to an antenna farm? | Yes             |
| <b>New Antenna Manufacturer and Types</b> | 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/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>.....                             | 56.0 kW         |
| Manufacturer                              |  |                 |

|                               |   |
|-------------------------------|---|
| Model                         | TLP-12<br>Custom  |
| Year                          | 2017  |
| Justification for New Antenna | The existing antenna is not capable of supporting the new channel and will need to be replaced. |

**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?  | 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 a high power antenna?                       | Yes      |
| <b>Pattern Scatter Analysis</b>    | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No       |

|                   |  |     |
|-------------------|--|-----|
| <b>Sweep Test</b> | Do you require the sweep testing of transmission line and antenna? | Yes |
|-------------------|--|-----|

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Interim  
Antenna**

**New Antenna Costs**

| Section                                      | Question   | Response           |
|--|--|--------------------|
| <b>New Antenna Description</b>               | Use  | Interim            |
|  | Description of Use   | N/A                |
|  | Change Type  | Purchase<br>New    |
|  | Ownership  | Owned              |
|  | Owner  | N/A                |
|  | Is antenna shared?   | No                 |
|  | Is antenna directional?  | Yes                |
|  | Will antenna be located on or in close proximity to an antenna farm? | Yes                |
| <b>New Antenna<br/>Manufacturer and Type</b> | Class  | Full Power         |
|  | Mounting   | Side Mount         |
|  | Antenna position in stack  | Not in Stack       |
|  | Polarization   | Horizontal         |
|  | Type   | 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)                                      | 56.0 kW            |
|  | Manufacturer   |                    |
|  | Model  | TLP-12<br>Custom   |
| Year   | 2017   |                    |

Justification for New Antenna

Because the site owner is requiring KETD to install their new main antenna in the same location as the existing main antenna, KETD will need to install an interim antenna to avoid a prolonged off air period.

**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?                                 | Yes      |
| <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   | Andrew           |
|  | Type   | Flexible Air     |
|  | Diameter   | 3 inches         |
|  | Other Diameter   | N/A              |
|  | Segment Length   | N/A              |
|  | Other Segment Length   | N/A              |
|  | Number of parallel runs  | 1                |
|  | Length   | 100 feet per run |



**Primary Transmission Line**      **Other Transmission Line Expenses Not Listed**  
 Information not provided.

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

| Section                            | Question                | Response            |
|------------------------------------|-------------------------|---------------------|
| <b>New Transmission Line Costs</b> | Use                     | Interim             |
|                                    | Description of Use      | N/A                 |
|                                    | Change Type             | Purchase<br>New     |
|                                    | Type                    | Flexible Air        |
|                                    | Diameter                | 3 inches            |
|                                    | Segment Length          | N/A                 |
|                                    | Other Segment Length    |                     |
|                                    | Number of parallel runs | 1                   |
|                                    | Length                  | 100 feet<br>per run |

Justification for New Transmission Line

Because the site owner is requiring KETD to install their new main antenna in the same location as the existing main antenna, KETD will need to install an interim antenna and line to avoid a prolonged off air period.

**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            |
|--|---|---------------------|
| <b>Existing Tower Description</b>                          | Type of change  | Modify Existing     |
|  | Tower Use   | Primary (Main)      |
|  | Description of Use                                      | N/A                 |
|  | Ownership   | Owned               |
|  | Is this tower consider Complex?                         | Terrain Constrained |
|  | 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                                   | Yes                 |
|  | Is tower documented for structural analysis?            | No                  |
|  | Is tower compliant with Rev G?                          | Unknown             |
| <b>Existing Tower Structure Registration</b>               | Do you have a tower registration number?                | Yes                 |
|  | ASR Number  | 1023484             |
| <b>Coordinates (NAD83 ( North American Datum of 1983))</b> | Latitude (NAD83)  | 39° 40' 17.4" N-    |
|  | Longitude (NAD83)                                       | 105° 13' 08.0" W-   |
|  | Overall Structure Height                                | 273.95 feet         |
|  | Support Structure Height                                | 271.98 feet         |

|  |  |
|--|--|
| Ground Elevation Above Mean Sea Level (AMSL) | 7685.60 feet                             |
| Structure Type                               | TOWER - Free Standing or Guyed Structure |
| Tower Owner                                  | Bear Creek Development Corporation       |
| Date Constructed                             | 11/08/1988                               |

**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 |
|-------------|-----------|---------|
| 57219       | KTFD-DT   | DTV     |
| 35574       | KQKS      | FM      |
| 26929       | KQMT      | FM      |
| 14040       | KRMA-TV   | DTV     |

**Other Types of Users**

| Users           |
|-----------------|
| West Metro Fire |
| Police          |
| Fire            |
| Denver Water    |
| County Denver   |
| Civil Air Ptrl  |
| City Denver     |

**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:     | Minor Reinforcements needed                            |

**Primary Tower**

**Tower Rigging Costs**

| Section                             | Question                          | Response            |
|-------------------------------------|-----------------------------------|---------------------|
| <b>Tower Rigging Costs</b>          | Complex Tower                     | Terrain constrained |
| <b>Helicopter Services Required</b> | Are helicopter services required? | No                  |

**Primary Tower**

**Other Tower Expenses Not Listed**

| Name                       | Description   |
|----------------------------|---|
| <b>Structural Analysis</b> | After the mapping is complete, a structural analysis will need to be run. |

**Outside Professional Services Costs**

| Section  | Question  | Response  |
|--|---|---|
| <p><b>Outside Project Management Services</b></p>        | <p>Do you require outside project management services?</p>                          | <p>Yes</p>  |
|  | <p>Number of Hours</p>  | <p>712</p>  |
|  | <p>Explanation</p>  | <p>KETD does not have sufficient resource capacity and expertise in house to handle all of the Project Management related tasks necessary to facility on-time completion of the station's build by the Construction Deadline.</p> |
| <p><b>Outside RF consulting Engineering Services</b></p> | <p>Perform engineering study for new channel assignment and antenna development</p> | <p>Yes</p>  |
|  | <p>Prepare engineering section of Form FCC Construction Permit Application</p>      | <p>Yes</p>  |
|  | <p>For Auxiliary Facility</p>   | <p>No</p>   |
|  | <p>For Main Facility</p>  | <p>Yes</p>  |
|  | <p>Prepare engineering section of Form FCC License to Cover Application</p>         | <p>Yes</p>  |
|  | <p>For Auxiliary Facility</p>   | <p>No</p>   |
|  | <p>For Main Facility</p>  | <p>Yes</p>  |
|  | <p>Prepare request for Special Temporary Authority</p>                              | <p>Yes</p>  |
|  | <p>Quantity</p>   | <p>2</p>  |

|  |   |     |
|--|---|-----|
|  | Do you have Distributed Transmission System engineering services? | N/A |
|  | Critical Facility   | N/A |
|  | Terrain-Shielded Facility   | N/A |
| <b>Attorney and Other Outside Consulting Services</b>                                      | Prepare and file Form FCC Construction Permit Application         | Yes |
|  | For Auxiliary Facility  | No  |
|  | For Main Facility   | Yes |
|  | Prepare and file Form FCC License to Cover Application            | Yes |
|  | For Auxiliary Facility  | No  |
|  | For Main Facility   | Yes |
|  | Prepare request for Special Temporary Authority                   | Yes |
|  | Quantity  | 2   |
|  | NEPA Section 106 environmental review                             | Yes |
|  | Environmental Assessment  | Yes |
|  | ASR Modification  | Yes |
|  | FAA Consultation (including preparation of FAA Form 7460)         | Yes |
|  | Negotiation of Lease and other Matter for Shared Locations        | Yes |
|  | Prepare or Review FCC Form 399 for Reimbursement                  | Yes |
| Address transition timing and coordination issues w/ other stations and wireless providers | Yes   |     |
| <b>RF Field Engineering Services</b>   | Comprehensive coverage verification via field study               | Yes |
|  | RF exposure measurements  | Yes |
|  | Additional Field Engineering Service                              | Yes |
|  | Number of Days  | 10  |

|               |  |
|---------------|--|
| Justification | Supervision and inspection of work completed |
|---------------|--|

**Outside  
Professional  
Services  
Costs**

**Other Professional Services Expenses Not Listed**

Information not provided.



**Other Expenses**

| <b>Section</b>                      | <b>Question</b>  | <b>Response</b> |
|-------------------------------------|--|-----------------|
| <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?     | Yes             |
|                                     | Does this relocation require MVPD Notification of a Channel Change?  | Yes             |

**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 UTAX6</b>   | <b>\$356,950.00</b>         | <b>\$342,300.00</b>   |                              | <b>\$0.00</b>     |                           |
| UHF - Air Cooled Solid State Transmitter 4 - 6 kW  | \$236,500.00                | \$225,000.00          | N/A                          | N/A               | N/A                       |
| Transformer 3 phase/480v - 150 KVA   | \$25,550.00                 | \$24,300.00           | N/A                          | N/A               | N/A                       |
| Other Electrical Service: The new main transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors. | <i>\$40,000.00</i>          | \$40,000.00           | N/A                          | N/A               | N/A                       |
| 10 Ton system  | \$38,900.00                 | \$37,000.00           | N/A                          | N/A               | N/A                       |
| 4 Port Switch  | <i>\$16,000.00</i>          | \$16,000.00           | N/A                          | N/A               | N/A                       |
| <b>Sub-total</b>   | <b>\$356,950.00</b>         | <b>\$342,300.00</b>   | <b>N/A</b>                   | <b>\$0.00</b>     | <b>N/A</b>                |
| <b>Total for all systems</b>   | <b>\$1,593,336.00</b>       | <b>\$1,520,835.00</b> | <b>N/A</b>                   | <b>\$5,604.10</b> | <b>N/A</b>                |

## **Components**

Information not provided.

**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 TLP-12 Custom</b>   | <b>\$119,280.00</b>         | <b>\$113,400.00</b> |                              | <b>\$0.00</b> |                           |
| Side mount brackets for high power antennas (if not included in antenna base cost)                   | \$23,150.00                 | \$22,000.00         | 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 Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized | \$89,400.00                 | \$85,000.00         | N/A                          | N/A           | N/A                       |
| <b>Primary Antenna TLP-12 Custom</b>   | <b>\$119,280.00</b>         | <b>\$113,400.00</b> |                              | <b>\$0.00</b> |                           |
| UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized | \$89,400.00                 | \$85,000.00         | N/A                          | N/A           | N/A                       |

|  |                |                |     |            |     |
|--|----------------|----------------|-----|------------|-----|
| Sweep test of existing antenna   | \$6,730.00     | \$6,400.00     | N/A | N/A        | N/A |
| Side mount brackets for high power antennas (if not included in antenna base cost) | \$23,150.00    | \$22,000.00    | N/A | N/A        | N/A |
| <b>Sub-total</b>   | \$238,560.00   | \$226,800.00   | N/A | \$0.00     | N/A |
| <b>Total for all systems</b>   | \$1,593,336.00 | \$1,520,835.00 | N/A | \$5,604.10 | N/A |

### Components

Information not provided.

**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>\$5,900.00</b>           | <b>\$5,600.00</b>     |                              | <b>\$0.00</b>     |                           |
| Flexible Air Transmission Line - dielectric, 3" | \$5,900.00                  | \$5,600.00            | N/A                          | N/A               | N/A                       |
| <b>Primary Transmission Line</b>                | <b>\$0.00</b>               | <b>\$0.00</b>         |                              | <b>\$0.00</b>     |                           |
| <b>Sub-total</b>                                | <b>\$5,900.00</b>           | <b>\$5,600.00</b>     | N/A                          | <b>\$0.00</b>     | N/A                       |
| <b>Total for all systems</b>                    | <b>\$1,593,336.00</b>       | <b>\$1,520,835.00</b> | N/A                          | <b>\$5,604.10</b> | N/A                       |

**Components**

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>\$617,300.00</b>         | <b>\$587,000.00</b>   |                              | <b>\$0.00</b>     |                           |
| Structural Analysis  | <i>\$12,000.00</i>          | \$12,000.00           | N/A                          | N/A               | N/A                       |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas)                                      | \$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                       |
| Minor tower reinforcement /modifications   | \$158,000.00                | \$150,000.00          | N/A                          | N/A               | N/A                       |
| <b>Sub-total</b>   | <b>\$617,300.00</b>         | <b>\$587,000.00</b>   | <b>N/A</b>                   | <b>\$0.00</b>     | <b>N/A</b>                |
| <b>Total for all systems</b>   | <b>\$1,593,336.00</b>       | <b>\$1,520,835.00</b> | <b>N/A</b>                   | <b>\$5,604.10</b> | <b>N/A</b>                |

**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>\$299,436.00</b>         | <b>\$284,550.00</b> |                              | <b>\$5,457.85</b> |                           |
| Additional Field Engineering Service, 10 Days  | <i>\$20,000.00</i>          | \$20,000.00         | N/A                          | N/A               | N/A                       |
| Comprehensive coverage verification via field study, if needed   | \$84,200.00                 | \$80,000.00         | 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                  | \$2,000.00          | N/A                          | N/A               | N/A                       |
| ASR modification (prepare FCC Form 854)  | \$2,105.00                  | \$2,000.00          | N/A                          | N/A               | N/A                       |
| 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           | \$7,360.00 | \$7,000.00 | N/A | N/A | N/A |
| Attorney Fees - Negotiation of lease and other matters for shared locations            | \$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 - Prepare and File FCC Form 2100 (main), Construction Permit Application | \$5,260.00 | \$5,000.00 | N/A | N/A | N/A |
| Prepare request for Special Temporary Authorization                                    | \$4,100.00 | \$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 |

|  |                       |                       |            |                   |            |
|--|-----------------------|-----------------------|------------|-------------------|------------|
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00            | \$3,000.00            | 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        |
| Address transition timing and coordination issues w/ other stations and wireless     | \$2,630.00            | \$2,500.00            | N/A        | N/A               | N/A        |
| Project management of the transition   | \$112,496.00          | \$106,800.00          | N/A        | \$5,457.85        | N/A        |
| RF Exposure Measurements   | \$21,050.00           | \$20,000.00           | N/A        | N/A               | N/A        |
| Prepare and or review reimbursement form   | \$2,630.00            | \$2,500.00            | N/A        | N/A               | N/A        |
| <b>Sub-total</b>   | <b>\$299,436.00</b>   | <b>\$284,550.00</b>   | <b>N/A</b> | <b>\$5,457.85</b> | <b>N/A</b> |
| <b>Total for all systems</b>   | <b>\$1,593,336.00</b> | <b>\$1,520,835.00</b> | <b>N/A</b> | <b>\$5,604.10</b> | <b>N/A</b> |

## Components

| Actual Information                            |                           |
|---|---------------------------|
| Description                                   | File Name                 |
| Additional Field Engineering Service, 10 Days | 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. |
| ASR modification (prepare FCC Form 854)  | Information not provided. |
| Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet                  | Information not provided. |
| NEPA Section 106 environmental review, if needed   | Information not provided. |
| Attorney Fees - Prepare and File request for Special Temporary Authorization   | Information not provided. |
| Attorney Fees - Negotiation of lease and other matters for shared locations  | Information not provided. |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application   | Information not provided. |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application                                     | Information not provided. |
| Prepare request for Special Temporary Authorization  | Information not provided. |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application  | Information not provided. |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application                                       | Information not provided. |

|  |  |                               |                    |                |            |                               |                    |                |            |                               |                    |                |            |
|--|--|-------------------------------|--------------------|----------------|------------|-------------------------------|--------------------|----------------|------------|-------------------------------|--------------------|----------------|------------|
| Perform engineering study for new channel assignment and antenna development     | Information not provided.  |                               |                    |                |            |                               |                    |                |            |                               |                    |                |            |
| Address transition timing and coordination issues w/ other stations and wireless | Information not provided.  |                               |                    |                |            |                               |                    |                |            |                               |                    |                |            |
| Project management of the transition   | <table data-bbox="715 488 1316 1032"> <tr> <td data-bbox="715 488 1023 521"><b>Component Description:</b></td> <td data-bbox="1157 488 1316 521">Project Management</td> </tr> <tr> <td data-bbox="715 566 826 600"><b>Amount:</b></td> <td data-bbox="1157 566 1278 600">\$1,208.35</td> </tr> <tr> <td data-bbox="715 701 1023 734"><b>Component Description:</b></td> <td data-bbox="1157 701 1316 734">Project Management</td> </tr> <tr> <td data-bbox="715 779 826 813"><b>Amount:</b></td> <td data-bbox="1157 779 1278 813">\$2,383.80</td> </tr> <tr> <td data-bbox="715 925 1023 958"><b>Component Description:</b></td> <td data-bbox="1157 925 1316 958">Project Management</td> </tr> <tr> <td data-bbox="715 1003 826 1037"><b>Amount:</b></td> <td data-bbox="1157 1003 1278 1037">\$1,865.70</td> </tr> </table> | <b>Component Description:</b> | Project Management | <b>Amount:</b> | \$1,208.35 | <b>Component Description:</b> | Project Management | <b>Amount:</b> | \$2,383.80 | <b>Component Description:</b> | Project Management | <b>Amount:</b> | \$1,865.70 |
| <b>Component Description:</b>  | Project Management   |                               |                    |                |            |                               |                    |                |            |                               |                    |                |            |
| <b>Amount:</b>   | \$1,208.35   |                               |                    |                |            |                               |                    |                |            |                               |                    |                |            |
| <b>Component Description:</b>  | Project Management   |                               |                    |                |            |                               |                    |                |            |                               |                    |                |            |
| <b>Amount:</b>   | \$2,383.80   |                               |                    |                |            |                               |                    |                |            |                               |                    |                |            |
| <b>Component Description:</b>  | Project Management   |                               |                    |                |            |                               |                    |                |            |                               |                    |                |            |
| <b>Amount:</b>   | \$1,865.70   |                               |                    |                |            |                               |                    |                |            |                               |                    |                |            |
| RF Exposure Measurements   | Information not provided.  |                               |                    |                |            |                               |                    |                |            |                               |                    |                |            |
| Prepare and or review reimbursement form   | 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>\$75,190.00</b>          | <b>\$74,585.00</b> |                              | <b>\$146.25</b> |                           |
| MVPD Notification of Channel Change                                      | <i>\$2,000.00</i>           | \$2,000.00         | N/A                          | N/A             | N/A                       |
| Develop and air announcement of upcoming channel change                  | <i>\$15,000.00</i>          | \$15,000.00        | N/A                          | N/A             | N/A                       |
| Equipment Delivery and Handling Charges                                  | <i>\$25,000.00</i>          | \$25,000.00        | N/A                          | N/A             | N/A                       |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <i>\$10,000.00</i>          | \$10,000.00        | N/A                          | N/A             | N/A                       |
| Non-zoning permits   | <i>\$5,000.00</i>           | \$5,000.00         | 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 |
| DTV Medical Facility 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 | \$146.25   | N/A |
| <b>Sub-total</b>   | \$75,190.00    | \$74,585.00    | N/A | \$146.25   | N/A |
| <b>Total for all systems</b>                             | \$1,593,336.00 | \$1,520,835.00 | N/A | \$5,604.10 | N/A |

## Components

| Actual Information   |                           |
|--|---------------------------|
| Description  | File Name                 |
| MVPD Notification of Channel Change                                      | Information not provided. |
| Develop and air announcement of upcoming channel change                  | Information not provided. |
| Equipment Delivery and Handling Charges                                  | Information not provided. |
| Disposal Costs (for equipment and other waste, net of any salvage value) | Information not provided. |
| Non-zoning permits   | Information not provided. |
| Local Zoning   | Information not provided. |
| FCC Filing Fees - Special Temporary Authorization request                | Information not provided. |
| FCC Filing Fees - Form 2100 license to cover application                 | Information not provided. |

|  |  |                               |  |                |          |
|--|--|-------------------------------|--|----------------|----------|
| DTV Medical Facility<br>Notification                       | Information not provided.  |                               |  |                |          |
| FCC Filing Fees - Form 2100<br>minor change CP application | <table><tr><td data-bbox="721 210 1157 403"><b>Component Description:</b></td><td data-bbox="1157 210 1433 403">KETD, Castle<br/>Rock, CO<br/>Channel Repack</td></tr><tr><td data-bbox="721 403 1157 504"><b>Amount:</b></td><td data-bbox="1157 403 1433 504">\$146.25</td></tr></table> | <b>Component Description:</b> | KETD, Castle<br>Rock, CO<br>Channel Repack | <b>Amount:</b> | \$146.25 |
| <b>Component Description:</b>                              | KETD, Castle<br>Rock, CO<br>Channel Repack   |                               |  |                |          |
| <b>Amount:</b>   | \$146.25   |                               |  |                |          |



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

|                              | <b>Predetermined Cost Estimate</b> | <b>Estimated Cost</b> | <b>Actual Cost</b> |
|------------------------------|------------------------------------|-----------------------|--------------------|
| <b>Total for all systems</b> | \$1,593,336.00                     | \$1,520,835.00        | \$5,604.10         |

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

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

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

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

**Michael  
Everett  
Todd**  
*Chief  
Engineer*

03/11/2019

## Attachments