



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **34202** | Service: **DTV** | Call **WKMR** | Channel: **30 (UHF)** |  
ID: | Sign:  
File **0000026892**  
Number:  
FRN: **0001790583** | Date **09/26**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant  | Address  | Phone        | Email                | Applicant Type       |
|--|--|--------------|----------------------|----------------------|
| <b>KENTUCKY AUTHORITY<br/>FOR EDUCATIONAL TV</b>               | Shae Hopkins<br>600                                  | +1<br>(859)  | SHOPKINS@KET.<br>ORG | Government<br>Entity |
| Doing Business As:<br>KENTUCKY AUTHORITY<br>FOR EDUCATIONAL TV | COOPER DR<br>LEXINGTON,<br>KY 40502<br>United States | 258-<br>7000 |                      |                      |

## 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>Greg Best</b><br><i>Consulting Engineer</i><br><i>Greg Best Consulting,</i><br><i>Inc.</i> | 16100 Outlook<br>Avenue<br>Stilwell, KS 66085<br>United States | +1 (816) 792-<br>2913 | gbconsulting54@gmail.<br>com |

**Broadcaster  
Information  
and  
Transition  
Plan**

| Question   | Response                                 |
|--|--|
| Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information. | No                                       |
| Briefly describe transition plan   | Please see attached repack plan exhibit. |

**Transmitters**

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

**Primary  
Transmitter**

**Existing Transmitter Information**

| Section   | Question   | Response          |
|---|--|-------------------|
| <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  | DHD20P1           |
|   | Year   | 2001              |
|   | Type   | Solid State       |
|   | Solid State Cooling  | Air Cooled        |
|   | Solid State Power Capacity                                 | 5 kW              |

**Primary  
Transmitter**

**New Transmitter Costs**

| Section         | Question                                  | Response   |
|-----------------|---|--|
| New Transmitter | Use                                       | Primary (Main)   |
|                 | Change Type                               | Purchase New   |
|                 | Is this a request for upgraded equipment? | No   |
|                 | Manufacturer                              |  |
|                 | Model                                     | Maxiva UAXTE-8   |
|                 | Transmitter Type                          | Solid State  |
|                 | Solid State Cooling                       | Air Cooled   |
|                 | Solid State Power capacity                | 5 kW   |
|                 | Justification for New Transmitter         | Pre-auction transmitter no longer supported by supplier; not re-tunable. |

**Primary  
Transmitter**

**Other Transmitter Costs**

| Section            | Question                              | Response  |
|--------------------|---------------------------------------|-----------|
| Electrical Service | Service Entrance (3 phases 800A 208V) | Yes       |
|                    | Switchgear (industrial 800 amp)       | Yes       |
|                    | Transformer (480V)                    | No        |
|                    | Power                                 | N/A       |
|                    | Rigid Conduit and Wiring              | Yes       |
|                    | Size                                  | 3 inches  |
|                    | Length                                | 50.0 feet |
|                    | Other Electrical Service              | No        |

|  |   |     |
|--|---|-----|
|  | Description   | N/A |
| <b>HVAC Service</b>  | Does the replacement transmitter require HVAC Service?  | No  |
|  | Type  | N/A |
|  | Size  | N/A |
|  | Other Size  | N/A |
| <b>Transmitter Building Addition/Modification or Leasehold Improvement</b> | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No  |
|  | Size  | N/A |
| <b>Channel 14 Costs</b>  | Is an RF Consulting Engineer needed?  | N/A |
|  | Is a channel 14 Mask Filer needed?  | N/A |
|  | Is additional field engineering time needed?  | N/A |
|  | Number of Days  | N/A |

**Primary  
Transmitter**

**Other Transmitter Cost Not Listed**

Information not provided.

**Antennas**

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

## Primary Antenna

### Existing Antenna Information

| Section                                   | Question   | Response           |
|---|--|--------------------|
| Existing Antenna<br>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?                             | Yes                |
|   | Is antenna in operating condition?                               | Yes                |
|   | Is antenna located on or in close proximity to an antenna farm?  | No                 |
| Existing Antenna<br>Manufacturer and Type | 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)                                  | 51.4 kW            |
|   |  |                    |

|              |                 |
|--------------|-----------------|
| Manufacturer |                 |
| Model        | TLP-16B<br>(15) |
| Year         | 2001            |



Primary  
Antenna

New Antenna Costs

| Section                            | Question   | Response        |
|------------------------------------|--|-----------------|
| New Antenna Description            | Use  | Primary (Main)  |
|                                    | Description of Use   | N/A             |
|                                    | Change Type  | Purchase New    |
|                                    | Is this a request for upgraded equipment?                            | Yes             |
|                                    | Ownership  | Owned           |
|                                    | Owner  | N/A             |
|                                    | Is antenna shared?   | No              |
|                                    | Is antenna directional?  | No              |
|                                    | Will antenna be located on or in close proximity to an antenna farm? | No              |
| New Antenna Manufacturer and Types | Class  | Full Power      |
|                                    | Mounting   | Top Mount       |
|                                    | Antenna position in stack  | Not in Stack    |
|                                    | Polarization   | Elliptical      |
|                                    | Type   | Slotted Coaxial |
|                                    | Number of Stations Supported   | N/A             |
|                                    | Number of Panels/Bays  | N/A             |
|                                    | Lower Limit  | N/A             |
|                                    | Upper Limit  | N/A             |
|                                    | Design power capacity in use   | N/A             |
|                                    | Other Antenna Type   | N/A             |
|                                    | ERP: (Effective Radiated Power)<br>.....                             | 60.5 kW         |
|                                    | Manufacturer   |                 |
|                                    |  |                 |

|                               |   |
|-------------------------------|---|
| Model                         | ATW22H3-ETO-30H   |
| Year                          | 2017  |
| Justification for New Antenna | Primary antenna is not broadband or able to be tuned to a new channel. New top mount reduces overall repack cost. Please see Repack Plan Exhibit for details. |

## Primary Antenna

### Other Antenna Costs

| Section                     | Question  | Response       |
|-----------------------------|---|----------------|
| Combiner for Shared Antenna | 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            |
| Elbow Complex               | Do you require the separate purchase of the Elbow Complex?            | Yes            |
|                             | Broadband or Single Channel?  | Single Channel |
|                             |   |                |

|                                 |   |                           |
|---------------------------------|---|---------------------------|
|                                 | Feed Line Size  | 6 1/8<br>inches<br>inches |
| <b>Side Mount Brackets</b>      | Do you require the separate purchase of side mount brackets for a high power antenna?                       | No                        |
| <b>Pattern Scatter Analysis</b> | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No                        |
| <b>Sweep Test</b>               | Do you require the sweep testing of transmission line and antenna?  | Yes                       |

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Transmission Line**

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

**Primary  
Transmission Line**

**Existing Transmission Line**

| Section   | Question   | Response         |
|---|--|------------------|
| <b>Existing Transmission Line Description</b>           | Type of change   | Purchase New     |
|   | Use  | Primary (Main)   |
|   | Description of Use   | N/A              |
|   | Ownership  | Owned            |
|   | Owner  | N/A              |
|   | Site   | N/A              |
|   | Is the existing transmission line shared with another station or stations? | No               |
|   | Is Transmission Line in operating condition?                               | Yes              |
| <b>Existing Transmission Line Manufacturer and Type</b> | Manufacturer   |                  |
|   | Type   | Rigid            |
|   | Diameter   | 6 1/8 inches     |
|   | Other Diameter   | N/A              |
|   | Segment Length   | Broadband        |
|   | Other Segment Length   | N/A              |
|   | Number of parallel runs  | 1                |
|   | Length   | 613 feet per run |

**Primary** **New Transmission Line**  
**Transmission Line**

| Section                            | Question                                  | Response   |
|------------------------------------|---|--|
| <b>New Transmission Line Costs</b> | Use                                       | Primary (Main)   |
|                                    | Description of Use                        | N/A  |
|                                    | Change Type                               | Purchase New   |
|                                    | Is this a request for upgraded equipment? | No   |
|                                    | Type                                      | Rigid  |
|                                    | Diameter                                  | 6 1/8 inches   |
|                                    | Other Diameter                            | N/A  |
|                                    | Segment Length                            | Broadband  |
|                                    | Other Segment Length                      | N/A  |
|                                    | Number of parallel runs                   | 1  |
|                                    | Length                                    | 50 feet per run  |
|                                    | Justification for New Transmission Line   | Short run of new line to cover distance from current side-mount elevation to new top-mount location. |

**Primary** **Other Transmission Line Expenses Not Listed**  
**Transmission Line**

Information not provided.

**Tower  
Equipment  
And  
Rigging  
Costs**

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

**Primary  
Tower**

**Existing Tower**

| Section   | Question  | Response                                 |
|---|---|--|
| Existing Tower Description                          | Type of change  | Modify Existing                          |
|   | Tower Use   | Primary (Main)                           |
|   | Description of Use                                      | N/A                                      |
|   | Ownership   | Owned                                    |
|   | Is this tower consider Complex?                         | No                                       |
|   | Is this tower currently shared with any other stations? | Yes                                      |
|   | One or more FM, AM or TV radio broadcaster(s)           | Yes                                      |
|   | Others Types of Users                                   | No                                       |
|   | Is tower documented for structural analysis?            | No                                       |
|   | Is tower compliant with Rev G?                          | No                                       |
| Existing Tower Structure Registration               | Do you have a tower registration number?                | Yes                                      |
|   | ASR Number  | 1044041                                  |
| Coordinates (NAD83 ( North American Datum of 1983)) | Latitude (NAD83)  | 38° 10' 38.0" N-                         |
|   | Longitude (NAD83)                                       | 083° 24' 17.0" W-                        |
|   | Overall Structure Height                                | 606.95 feet                              |
|   | Support Structure Height                                | 560.36 feet                              |
|   | Ground Elevation Above Mean Sea Level (AMSL)            | 1389.09 feet                             |
|   | Structure Type  | TOWER - Free Standing or Guyed Structure |

|  |                  |   |
|--|------------------|---|
|  | Tower Owner      | KENTUCKY<br>AUTHORITY<br>FOR<br>EDUCATIONAL<br>TELEVISION<br>DBA = WKMR |
|  | Date Constructed | 01/01/1968  |

**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 |
|-------------|-----------|---------|
| 43765       | WMKY      | FM      |

## Primary Tower

### Tower Modification Costs

| Section              | Question   | Response   |
|----------------------|--|--|
| Engineering Study    | Please what type of engineering study is required, if any: | Study needed for undocumented /poorly documented tower |
| Tower Reinforcements | Please select whether tower reinforcements are needed:     | Minor Reinforcements needed                            |

## Primary Tower

### Tower Rigging Costs

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



Primary  
Tower

Other Tower Expenses Not Listed

| Name       | Description   |
|------------|---|
| Load Study | Structural engineering tower load study is required to design tower reinforcements and rigging. |

**Outside  
Professional**

| Section   | Question   | Response   |
|---|--|--|
| <b>Services Costs<br/>Outside Project<br/>Management Services</b> | Do you require outside project management services?                          | Yes  |
|   | Number of Hours  | 80   |
|   | Explanation  | KET Staff require outside services to manage the upgrades. |
| <b>Outside RF consulting<br/>Engineering Services</b>             | Perform engineering study for new channel assignment and antenna development | Yes  |
|   | Prepare engineering section of Form FCC Construction Permit Application      | Yes  |
|   | For Auxiliary Facility   | No   |
|   | For Main Facility  | Yes  |
|   | Prepare engineering section of Form FCC License to Cover Application         | Yes  |
|   | For Auxiliary Facility   | No   |
|   | For Main Facility  | Yes  |
|   | Prepare request for Special Temporary Authority                              | No   |
|   | Quantity   | N/A  |
|   | Do you have Distributed Transmission System engineering services?            | N/A  |
|   | Critical Facility  | N/A  |
|   | Terrain-Shielded Facility  | N/A  |
| <b>Attorney and Other<br/>Outside Consulting<br/>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  | No  |
|                                      | Quantity   | N/A |
|                                      | NEPA Section 106 environmental review  | No  |
|                                      | Environmental Assessment   | No  |
|                                      | ASR Modification   | Yes |
|                                      | FAA Consultation (including preparation of FAA Form 7460)                                  | Yes |
|                                      | Negotiation of Lease and other Matter for Shared Locations                                 | No  |
|                                      | Prepare or Review FCC Form 399 for Reimbursement   | Yes |
|                                      | Address transition timing and coordination issues w/ other stations and wireless providers | No  |
| <b>RF Field Engineering Services</b> | Comprehensive coverage verification via field study  | No  |
|                                      | RF exposure measurements   | Yes |
|                                      | Additional Field Engineering Service   | No  |
|                                      | Number of Days   | N/A |
|                                      | Justification  | N/A |

**Outside Professional Services Costs**

**Other Professional Services Expenses Not Listed**

| Name                                   | Description                     |
|--|---------------------------------|
| <b>Progress and Transition Reports</b> | progress and transition reports |

## Other Expenses

| Section                             | Question   | Response |
|-------------------------------------|--|----------|
| <b>AM Pattern Disturbance</b>       | Is an Impact Study needed?   | No       |
|                                     | Is Remediation needed?   | No       |
| <b>Facility Expenses</b>            | Name   | N/A      |
|                                     | Other Distributed Transmission System Expenses Not listed  | N/A      |
|                                     | Name   | N/A      |
|                                     | Is Notification of a Medical Facility required as a result of DTV broadcasting?                                      | Yes      |
| <b>Permit and Filing Costs</b>      | Local Zoning   | No       |
|                                     | Non-zoning permits   | No       |
|                                     | BLM or NFS Coordination  | No       |
|                                     | FCC Construction Permit Minor Change   | No       |
|                                     | FCC License to Cover Application   | No       |
|                                     | FCC Special Temporary Authority Application  | No       |
| <b>Other Miscellaneous Expenses</b> | Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?        | Yes      |
|                                     | Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs? | No       |
|                                     | Does this relocation require Equipment Storage?  | Yes      |
|                                     | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?     | Yes      |
|                                     | Does this relocation require MVPD Notification of a Channel Change?  | Yes      |

**Other  
Expenses**

**Other Expenses Not Listed**

| Name           | Description   |
|----------------|---|
| Internal Labor | FCC reimbursement clerk hired for repack reimbursement ONLY |

## 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 Maxiva UAXTE-8</b>         | <b>\$291,700.00</b>         | <b>\$286,379.00</b> |   | <b>\$150,145.13</b> |   |
| UHF - Air Cooled Solid State Transmitter 4 - 6 kW | \$236,500.00                | \$225,000.00        | N/A   | \$127,516.13        | N/A   |
| Switchgear - industrial 800 amp                   | \$38,200.00                 | \$36,300.00         | N/A   | N/A                 | N/A   |
| 3" Rigid Conduit and Wiring (Cost per foot)       | \$2,600.00                  | \$2,450.00          | N/A   | N/A                 | N/A   |
| Service entrance 3 phase/800 amp/208 volt         | \$14,400.00                 | \$22,629.00         | Actual costs exceeded estimated costs. Estimates were obtained AFTER 399 was created. Applicable quote attached to invoice 3739 | \$22,629.00         | Actual costs exceeded estimated costs. Estimates were obtained AFTER 399 was created. Applicable quote attached to invoice 3739 |
| <b>Sub-total</b>                                  | <b>\$291,700.00</b>         | <b>\$286,379.00</b> | N/A   | <b>\$150,145.13</b> | N/A   |

|                              |                |                |     |              |     |
|------------------------------|----------------|----------------|-----|--------------|-----|
| <b>Total for all systems</b> | \$1,371,381.00 | \$1,333,653.78 | N/A | \$893,566.67 | N/A |
|------------------------------|----------------|----------------|-----|--------------|-----|

## Components

| Actual Information Description                    | File Name  |
|---|--|
| UHF - Air Cooled Solid State Transmitter 4 - 6 kW | <p><b>Component Description:</b> installation and proof - transmitter</p> <p><b>Amount:</b> \$14,863.24</p> <p><b>Component Description:</b> Transmitter, RF System, Electrical System, Freight</p> <p><b>Amount:</b> \$112,290.01</p> <p><b>Component Description:</b> eComm admin and support, distribution services at time of bidding -- GatesAir (RFP-48-19)</p> <p><b>Amount:</b> \$362.88</p> |
| Switchgear - industrial 800 amp                   | Information not provided.  |
| 3" Rigid Conduit and Wiring (Cost per foot)       | Information not provided.  |
| Service entrance 3 phase /800 amp/208 volt        | <p><b>Component Description:</b> KET Transmitter building electrical upgrade</p> <p><b>Amount:</b> \$260.00</p>  |

|                               |   |
|-------------------------------|---|
| <b>Component Description:</b> | KET Transmitter<br>building electrical<br>upgrade |
| <b>Amount:</b>                | \$17,194.00                                       |

|                               |   |
|-------------------------------|---|
| <b>Component Description:</b> | KET transmitter<br>building electrical<br>upgrade |
| <b>Amount:</b>                | \$1,100.00  |

|                               |   |
|-------------------------------|---|
| <b>Component Description:</b> | KET Transmitter<br>building electrical<br>upgrade |
| <b>Amount:</b>                | \$200.00  |

|                               |   |
|-------------------------------|---|
| <b>Component Description:</b> | KET transmitter<br>building electrical<br>upgrade |
| <b>Amount:</b>                | \$330.00  |

|                               |   |
|-------------------------------|---|
| <b>Component Description:</b> | KET Transmitter<br>building electrical<br>upgrade |
| <b>Amount:</b>                | \$1,225.00  |

|                               |  |
|-------------------------------|--|
| <b>Component Description:</b> | eComm admin<br>and support,<br>distribution<br>services at time of<br>bidding -- KLH<br>(RFB-183-19) |
| <b>Amount:</b>                | \$375.00   |

|                               |   |
|-------------------------------|---|
| <b>Component Description:</b> | KET Transmitter<br>building electrical<br>upgrade |
| <b>Amount:</b>                | \$1,240.00  |



**Component Description:**

KET Transmitter  
building electrical  
upgrade

**Amount:**

\$705.00

**Cost  
Information**

**Antennas**

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

| Description  | Predetermined<br>Cost Estimate | Estimated<br>Cost   | Estimated<br>Cost<br>Justification   | Actual Cost         | Actual Cost<br>Justification  |
|--|--------------------------------|---------------------|--|---------------------|---|
| <b>Primary<br/>Antenna<br/>ATW22H3-<br/>ETO-30H</b>  | <b>\$555,530.00</b>            | <b>\$313,343.28</b> |  | <b>\$188,064.93</b> |   |
| Sweep test<br>of existing<br>antenna   | \$6,730.00                     | \$19,399.53         | Transition<br>requires<br>three<br>sweeps of<br>transmission<br>equipment<br>due to<br>interim<br>transmission<br>line that had<br>to be used.<br>Please see<br>attached<br>Repack<br>Plan Exhibit<br>for details. | \$19,399.53         | The<br>additional<br>cost for<br>sweep is<br>due to<br>using<br>existing<br>line for the<br>interim<br>services<br>that<br>required<br>sweep<br>testing<br>before<br>using. |
| Elbow<br>complex,<br>single<br>channel, at<br>antenna<br>input, per 6<br>1/8.<br>feedline (if<br>needed) | \$12,300.00                    | \$11,700.00         | N/A  | N/A                 | N/A   |

|  |                |                |   |              |     |
|--|----------------|----------------|---|--------------|-----|
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | \$289,500.00   | \$281,500.00   | N/A   | \$167,921.65 | N/A |
| UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized                | \$247,000.00   | \$743.75       | ***System Notice: Estimate adjusted and locked because line has been superseded.<br>*** | \$743.75     | N/A |
| <b>Sub-total</b>   | \$555,530.00   | \$313,343.28   | N/A   | \$188,064.93 | N/A |
| <b>Total for all systems</b>   | \$1,371,381.00 | \$1,333,653.78 | N/A   | \$893,566.67 | N/A |

## Components

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

|  |  |                               |                                   |                |             |                               |                                     |                |             |                               |                                   |                |             |                               |                                    |                |            |
|--|--|-------------------------------|-----------------------------------|----------------|-------------|-------------------------------|-------------------------------------|----------------|-------------|-------------------------------|-----------------------------------|----------------|-------------|-------------------------------|------------------------------------|----------------|------------|
| Sweep test of existing antenna   | <table> <tr> <td data-bbox="708 174 1023 208"><b>Component Description:</b></td><td data-bbox="1155 174 1326 248">system sweep (35%)</td></tr> <tr> <td data-bbox="708 255 823 288"><b>Amount:</b></td><td data-bbox="1155 255 1273 288">\$6,789.84</td></tr> <tr> <td data-bbox="708 394 1023 427"><b>Component Description:</b></td><td data-bbox="1155 394 1326 468">system sweep (10%)</td></tr> <tr> <td data-bbox="708 474 823 508"><b>Amount:</b></td><td data-bbox="1155 474 1273 508">\$1,939.95</td></tr> <tr> <td data-bbox="708 613 1023 647"><b>Component Description:</b></td><td data-bbox="1155 613 1358 647">sweep test (50%)</td></tr> <tr> <td data-bbox="708 654 823 687"><b>Amount:</b></td><td data-bbox="1155 654 1273 687">\$9,699.76</td></tr> <tr> <td data-bbox="708 792 1023 826"><b>Component Description:</b></td><td data-bbox="1155 792 1326 866">system sweep (5%)</td></tr> <tr> <td data-bbox="708 873 823 907"><b>Amount:</b></td><td data-bbox="1155 873 1251 907">\$969.98</td></tr> </table>  | <b>Component Description:</b> | system sweep (35%)                | <b>Amount:</b> | \$6,789.84  | <b>Component Description:</b> | system sweep (10%)                  | <b>Amount:</b> | \$1,939.95  | <b>Component Description:</b> | sweep test (50%)                  | <b>Amount:</b> | \$9,699.76  | <b>Component Description:</b> | system sweep (5%)                  | <b>Amount:</b> | \$969.98   |
| <b>Component Description:</b>  | system sweep (35%)   |                               |                                   |                |             |                               |                                     |                |             |                               |                                   |                |             |                               |                                    |                |            |
| <b>Amount:</b>   | \$6,789.84   |                               |                                   |                |             |                               |                                     |                |             |                               |                                   |                |             |                               |                                    |                |            |
| <b>Component Description:</b>  | system sweep (10%)   |                               |                                   |                |             |                               |                                     |                |             |                               |                                   |                |             |                               |                                    |                |            |
| <b>Amount:</b>   | \$1,939.95   |                               |                                   |                |             |                               |                                     |                |             |                               |                                   |                |             |                               |                                    |                |            |
| <b>Component Description:</b>  | sweep test (50%)   |                               |                                   |                |             |                               |                                     |                |             |                               |                                   |                |             |                               |                                    |                |            |
| <b>Amount:</b>   | \$9,699.76   |                               |                                   |                |             |                               |                                     |                |             |                               |                                   |                |             |                               |                                    |                |            |
| <b>Component Description:</b>  | system sweep (5%)  |                               |                                   |                |             |                               |                                     |                |             |                               |                                   |                |             |                               |                                    |                |            |
| <b>Amount:</b>   | \$969.98   |                               |                                   |                |             |                               |                                     |                |             |                               |                                   |                |             |                               |                                    |                |            |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)                     | Information not provided.  |                               |                                   |                |             |                               |                                     |                |             |                               |                                   |                |             |                               |                                    |                |            |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | <table> <tr> <td data-bbox="708 1234 1023 1267"><b>Component Description:</b></td><td data-bbox="1155 1234 1369 1308">antenna (less vpol component) 35%</td></tr> <tr> <td data-bbox="708 1314 823 1348"><b>Amount:</b></td><td data-bbox="1155 1314 1289 1348">\$58,772.58</td></tr> <tr> <td data-bbox="708 1453 1023 1487"><b>Component Description:</b></td><td data-bbox="1155 1453 1369 1527">antenna (less vpol component) (10%)</td></tr> <tr> <td data-bbox="708 1534 823 1568"><b>Amount:</b></td><td data-bbox="1155 1534 1289 1568">\$16,792.16</td></tr> <tr> <td data-bbox="708 1673 1023 1706"><b>Component Description:</b></td><td data-bbox="1155 1673 1369 1747">antenna (less vpol component) 50%</td></tr> <tr> <td data-bbox="708 1753 823 1787"><b>Amount:</b></td><td data-bbox="1155 1753 1289 1787">\$83,960.83</td></tr> <tr> <td data-bbox="708 1892 1023 1926"><b>Component Description:</b></td><td data-bbox="1155 1892 1369 1966">antenna (less vpol component) (5%)</td></tr> <tr> <td data-bbox="708 1973 823 2007"><b>Amount:</b></td><td data-bbox="1155 1973 1273 2007">\$8,396.08</td></tr> </table> | <b>Component Description:</b> | antenna (less vpol component) 35% | <b>Amount:</b> | \$58,772.58 | <b>Component Description:</b> | antenna (less vpol component) (10%) | <b>Amount:</b> | \$16,792.16 | <b>Component Description:</b> | antenna (less vpol component) 50% | <b>Amount:</b> | \$83,960.83 | <b>Component Description:</b> | antenna (less vpol component) (5%) | <b>Amount:</b> | \$8,396.08 |
| <b>Component Description:</b>  | antenna (less vpol component) 35%  |                               |                                   |                |             |                               |                                     |                |             |                               |                                   |                |             |                               |                                    |                |            |
| <b>Amount:</b>   | \$58,772.58  |                               |                                   |                |             |                               |                                     |                |             |                               |                                   |                |             |                               |                                    |                |            |
| <b>Component Description:</b>  | antenna (less vpol component) (10%)  |                               |                                   |                |             |                               |                                     |                |             |                               |                                   |                |             |                               |                                    |                |            |
| <b>Amount:</b>   | \$16,792.16  |                               |                                   |                |             |                               |                                     |                |             |                               |                                   |                |             |                               |                                    |                |            |
| <b>Component Description:</b>  | antenna (less vpol component) 50%  |                               |                                   |                |             |                               |                                     |                |             |                               |                                   |                |             |                               |                                    |                |            |
| <b>Amount:</b>   | \$83,960.83  |                               |                                   |                |             |                               |                                     |                |             |                               |                                   |                |             |                               |                                    |                |            |
| <b>Component Description:</b>  | antenna (less vpol component) (5%)   |                               |                                   |                |             |                               |                                     |                |             |                               |                                   |                |             |                               |                                    |                |            |
| <b>Amount:</b>   | \$8,396.08   |                               |                                   |                |             |                               |                                     |                |             |                               |                                   |                |             |                               |                                    |                |            |

|   |                               |  |
|---|-------------------------------|--|
| UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized |                               |  |
|   | <b>Component Description:</b> | Antenna and Line Spec  |
|   | <b>Amount:</b>                | \$437.50   |
|   |                               |  |
|   | <b>Component Description:</b> | Antenna (35%) less vertical polarization component             |
|   | <b>Amount:</b>                | \$58,772.57  |
|   |                               |  |
|   | <b>Component Description:</b> | antenna (50%) less vertical polarization component             |
|   | <b>Amount:</b>                | \$83,960.83  |
|   |                               |  |
|   | <b>Component Description:</b> | Antenna gain and TPO Evaluation and revision of specifications |
|   | <b>Amount:</b>                | \$306.25   |

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 |
|--|-----------------------------|----------------|--|--------------|---------------------------|
| Primary Transmission Line                          | \$11,600.00                 | \$37,645.00    |  | \$37,644.96  |                           |
| Rigid Transmission Line - copper, 6 1/8" broadband | \$11,600.00                 | \$37,645.00    | For those sites that already have 6 1/8" broadband line, a section or two of additional line is needed to connect to the antenna /elbow complex. | \$37,644.96  | N/A                       |
| Sub-total  | \$11,600.00                 | \$37,645.00    | N/A  | \$37,644.96  | N/A                       |
| Total for all systems                              | \$1,371,381.00              | \$1,333,653.78 | N/A  | \$893,566.67 | N/A                       |

Components

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

Rigid Transmission Line -  
copper, 6 1/8" broadband

**Component Description:** transmission line  
(35%)  
**Amount:** \$13,175.74

**Component Description:** transmission line  
(10%)  
**Amount:** \$3,764.50

**Component Description:** transmission line  
(50%)  
**Amount:** \$18,822.48

**Component Description:** transmission line  
(5%)  
**Amount:** \$1,882.24

## 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<br/>TOWER</b>   | <b>\$406,800.00</b>         | <b>\$598,000.00</b> |  | <b>\$473,176.40</b> |                           |
| Tall Tower<br>(greater than<br>500')   | \$210,500.00                | \$365,000.00        | KET obtained quotation of realistic scope of tower rigging work from reputable supplier. Please see attached Tower Work exhibit. | \$272,492.03        | N/A                       |
| Minor tower reinforcement /modifications   | \$158,000.00                | \$196,000.00        | WKMR tower required more extensive modifications to meet Revision G standards than was initially anticipated.                    | \$190,684.37        | 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  | \$10,000.00         | N/A                       |



|                       |                |                |   |              |     |
|-----------------------|----------------|----------------|---|--------------|-----|
| Load Study            | \$12,000.00    | \$12,000.00    | Structural engineering tower load study is required to design tower reinforcements and rigging. | \$0.00       | N/A |
| Sub-total             | \$406,800.00   | \$598,000.00   | N/A   | \$473,176.40 | N/A |
| Total for all systems | \$1,371,381.00 | \$1,333,653.78 | N/A   | \$893,566.67 | N/A |

Components

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

Tall Tower (greater than  
500')

|                               |  |
|-------------------------------|--|
| <b>Component Description:</b> | eComm<br>administration and<br>support, and<br>distribution<br>services at the<br>time of bidding -<br>Electronics<br>Research Inc<br>contract |
| <b>Amount:</b>                | \$1,540.17   |

|                               |                                |
|-------------------------------|--------------------------------|
| <b>Component Description:</b> | installation<br>services (10%) |
| <b>Amount:</b>                | \$27,095.19                    |

|                               |                                |
|-------------------------------|--------------------------------|
| <b>Component Description:</b> | installation<br>services (50%) |
| <b>Amount:</b>                | \$135,475.93                   |

|                               |                                |
|-------------------------------|--------------------------------|
| <b>Component Description:</b> | installation<br>services (35%) |
| <b>Amount:</b>                | \$94,833.15                    |

|                               |                               |
|-------------------------------|-------------------------------|
| <b>Component Description:</b> | installation<br>services (5%) |
| <b>Amount:</b>                | \$13,547.59                   |

|   |                               |   |
|---|-------------------------------|---|
| Minor tower reinforcement<br>/modifications |                               |   |
|   | <b>Component Description:</b> | eComm admin<br>and support,<br>distribution<br>services at time of<br>bidding -- Allstate<br>Tower contract   |
|   | <b>Amount:</b>                | \$637.50  |
|   |                               |   |
|   | <b>Component Description:</b> | Bid Phase Only -<br>RFB-198-18 billed<br>for rebid<br>distribution<br>services only<br>(Allstate Tower<br>contract)   |
|   | <b>Amount:</b>                | \$46.87   |
|   |                               |   |
|   | <b>Component Description:</b> | contracts, bonds,<br>insurance;<br>engineering<br>drawings<br>complete;<br>materials accepted<br>by EOR;<br>mobilization to<br>site; installation<br>complete |
|   | <b>Amount:</b>                | \$190,000.00  |

|  |   |  |   |  |  |  |  |  |   |
|--|---|--|---|--|--|--|--|--|---|
| <p>Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study</p> | <table> <tr> <td data-bbox="699 87 1098 257"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1098 87 1426 257"> <p>Tower Mapping</p> <p>\$1,373.00</p> </td></tr> <tr> <td data-bbox="699 257 1098 459"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1098 257 1426 459"> <p>Mapping Complete</p> <p>\$10,000.00</p> </td></tr> <tr> <td data-bbox="699 459 1098 705"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1098 459 1426 705"> <p>TIA Tower Inspections and Load Audits</p> <p>\$1,726.04</p> </td></tr> <tr> <td data-bbox="699 705 1098 958"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1098 705 1426 958"> <p>Foundation Mapping</p> <p>\$4,000.00</p> </td></tr> </table> | <p><b>Component Description:</b></p> <p><b>Amount:</b></p> | <p>Tower Mapping</p> <p>\$1,373.00</p>        | <p><b>Component Description:</b></p> <p><b>Amount:</b></p> | <p>Mapping Complete</p> <p>\$10,000.00</p> | <p><b>Component Description:</b></p> <p><b>Amount:</b></p> | <p>TIA Tower Inspections and Load Audits</p> <p>\$1,726.04</p> | <p><b>Component Description:</b></p> <p><b>Amount:</b></p> | <p>Foundation Mapping</p> <p>\$4,000.00</p> |
| <p><b>Component Description:</b></p> <p><b>Amount:</b></p>   | <p>Tower Mapping</p> <p>\$1,373.00</p>  |  |   |  |  |  |  |  |   |
| <p><b>Component Description:</b></p> <p><b>Amount:</b></p>   | <p>Mapping Complete</p> <p>\$10,000.00</p>  |  |   |  |  |  |  |  |   |
| <p><b>Component Description:</b></p> <p><b>Amount:</b></p>   | <p>TIA Tower Inspections and Load Audits</p> <p>\$1,726.04</p>  |  |   |  |  |  |  |  |   |
| <p><b>Component Description:</b></p> <p><b>Amount:</b></p>   | <p>Foundation Mapping</p> <p>\$4,000.00</p>   |  |   |  |  |  |  |  |   |
| <p>Load Study</p>  | <table> <tr> <td data-bbox="699 958 1098 1153"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1098 958 1426 1153"> <p>Geotechnical Studies</p> <p>\$2,310.00</p> </td></tr> </table>   | <p><b>Component Description:</b></p> <p><b>Amount:</b></p> | <p>Geotechnical Studies</p> <p>\$2,310.00</p> |  |  |  |  |  |   |
| <p><b>Component Description:</b></p> <p><b>Amount:</b></p>   | <p>Geotechnical Studies</p> <p>\$2,310.00</p>   |  |   |  |  |  |  |  |   |

## Cost Information

### Outside Professional Services

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

| Description   | Predetermined Cost Estimate | Estimated Cost     | Estimated Cost Justification  | Actual Cost        | Actual Cost Justification  |
|---|-----------------------------|--------------------|---|--------------------|--|
| <b>Outside Professional Services</b>  | <b>\$64,250.00</b>          | <b>\$63,335.50</b> |   | <b>\$17,144.82</b> |  |
| Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application | \$2,365.00                  | \$2,810.50         | actual costs for legal fees for phase 3 exceeded estimates                | \$2,600.50         | actual expenses for phase 3 of repack legal fees exceeded estimated cost |
| Progress and Transition Reports   | <i>\$4,000.00</i>           | \$4,000.00         | Engineering consultant costs not otherwise listed.                        | \$1,750.00         | N/A  |
| RF Exposure Measurements  | \$21,050.00                 | \$20,000.00        | KET requires RFR study of this site with co-located broadcast facilities. | N/A                | N/A  |
| Project management of the transition  | \$12,640.00                 | \$12,000.00        | KET Staff require outside services to manage the upgrades.                | \$3,102.95         | N/A  |

|  |            |            |   |            |     |
|--|------------|------------|---|------------|-----|
| Prepare and or review reimbursement form   | \$2,630.00 | \$4,025.00 | Additional engineering was required during the antenna design phase requiring 399 modification. | \$4,025.00 | N/A |
| Perform engineering study for new channel assignment and antenna development           | \$7,360.00 | \$7,000.00 | N/A   | \$721.87   | N/A |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application   | \$3,155.00 | \$3,000.00 | N/A   | \$2,887.50 | 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 |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | \$5,260.00 | \$5,000.00 | N/A   | \$2,057.00 | N/A |
| ASR modification (prepare FCC Form 854)  | \$2,105.00 | \$2,000.00 | 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 |
| <b>Sub-total</b>   | \$64,250.00    | \$63,335.50    | N/A | \$17,144.82  | N/A |
| <b>Total for all systems</b>   | \$1,371,381.00 | \$1,333,653.78 | N/A | \$893,566.67 | N/A |

## Components

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

Attorney Fees -Prepare and  
File FCC Form 2100  
(main), License to Cover  
Application

**Component Description:** phase 3 repack  
legal fees  
**Amount:** \$1,192.50

**Component Description:** attorney fees  
**Amount:** \$564.00

**Component Description:** analysis re: repack  
status; prepare re:  
repack status and  
upcoming  
obligations and  
deadlines;  
research for same  
**Amount:** \$210.00

**Component Description:** Second Installment  
**Amount:** \$234.50

**Component Description:** First Installment  
**Amount:** \$49.50

**Component Description:** public notice;  
analysis re: linked  
station set and  
upstream and  
downstream  
dependencies  
**Amount:** \$140.00

**Component Description:** prepare email re:  
upcoming repack  
deadlines;  
research and  
analysis re: PSA  
scripts  
**Amount:** \$210.00



|                                      |  |
|--------------------------------------|--|
| Progress and Transition Reports      | <b>Component Description:</b> quarterly report<br><b>Amount:</b> \$787.50  |
|                                      | <b>Component Description:</b> quarterly report<br><b>Amount:</b> \$962.50  |
| RF Exposure Measurements             | Information not provided.  |
| Project management of the transition | <b>Component Description:</b> project management<br><b>Amount:</b> \$87.50 |
|                                      | <b>Component Description:</b> travel expenses<br><b>Amount:</b> \$847.06   |
|                                      | <b>Component Description:</b> travel expenses<br><b>Amount:</b> \$18.00    |
|                                      | <b>Component Description:</b> travel expenses<br><b>Amount:</b> \$609.65   |
|                                      | <b>Component Description:</b> travel expenses<br><b>Amount:</b> \$18.00    |
|                                      | <b>Component Description:</b> project management<br><b>Amount:</b> \$43.75 |
|                                      | <b>Component Description:</b> travel expenses<br><b>Amount:</b> \$10.78    |
|                                      |  |

|  |                               |   |
|--|-------------------------------|---|
|  | <b>Component Description:</b> | linked station analysis   |
|  | <b>Amount:</b>                | \$175.00  |
|  | <b>Component Description:</b> | project management  |
|  | <b>Amount:</b>                | \$87.50   |
|  | <b>Component Description:</b> | Travel expenses   |
|  | <b>Amount:</b>                | \$557.12  |
|  | <b>Component Description:</b> | project management  |
|  | <b>Amount:</b>                | \$175.00  |
|  | <b>Component Description:</b> | Travel expenses   |
|  | <b>Amount:</b>                | \$429.84  |
|  | <b>Component Description:</b> | Project management tasks; other charges are non-repack activities             |
|  | <b>Amount:</b>                | \$43.75   |
| Prepare and or review reimbursement form | <b>Component Description:</b> | Antenna Spec Review, Modify transition plan, update CP, 399 input and support |
|  | <b>Amount:</b>                | \$1,575.00  |
|  | <b>Component Description:</b> | First Installment   |
|  | <b>Amount:</b>                | \$2,450.00  |

|  |                               |   |
|--|-------------------------------|---|
| Perform engineering study for new channel assignment and antenna development         | <b>Component Description:</b> | Linked station neighbor analysis                                    |
|  | <b>Amount:</b>                | \$262.50  |
|  | <b>Component Description:</b> | linked station analysis   |
|  | <b>Amount:</b>                | \$175.00  |
|  | <b>Component Description:</b> | Review of site documentation and antennas, facility planning        |
|  | <b>Amount:</b>                | \$459.37  |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | <b>Component Description:</b> | Hitachi and Gates Response review, new antenna and line specs       |
|  | <b>Amount:</b>                | \$525.00  |
|  | <b>Component Description:</b> | First Installment   |
|  | <b>Amount:</b>                | \$1,575.00  |
|  | <b>Component Description:</b> | Antenna and transmission line bid spec review & bid response review |
|  | <b>Amount:</b>                | \$700.00  |
|  | <b>Component Description:</b> | New antenna and line specs  |
|  | <b>Amount:</b>                | \$87.50   |
|  | <b>Component Description:</b> | N/A   |
|  | <b>Amount:</b>                | N/A   |

|  |   |                               |                    |                |          |                               |           |                |         |                               |                   |                |          |                               |                   |                |         |                               |                   |                |         |                               |                    |                |          |
|--|---|-------------------------------|--------------------|----------------|----------|-------------------------------|-----------|----------------|---------|-------------------------------|-------------------|----------------|----------|-------------------------------|-------------------|----------------|---------|-------------------------------|-------------------|----------------|---------|-------------------------------|--------------------|----------------|----------|
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application  | Information not provided.   |                               |                    |                |          |                               |           |                |         |                               |                   |                |          |                               |                   |                |         |                               |                   |                |         |                               |                    |                |          |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application                                     | <table> <tr> <td><b>Component Description:</b></td><td>Second Installment</td></tr> <tr> <td><b>Amount:</b></td><td>\$925.00</td></tr> <tr> <td><b>Component Description:</b></td><td>repack CP</td></tr> <tr> <td><b>Amount:</b></td><td>\$49.50</td></tr> <tr> <td><b>Component Description:</b></td><td>Fifth Installment</td></tr> <tr> <td><b>Amount:</b></td><td>\$495.00</td></tr> <tr> <td><b>Component Description:</b></td><td>Third Installment</td></tr> <tr> <td><b>Amount:</b></td><td>\$99.00</td></tr> <tr> <td><b>Component Description:</b></td><td>First Installment</td></tr> <tr> <td><b>Amount:</b></td><td>\$99.00</td></tr> <tr> <td><b>Component Description:</b></td><td>Fourth Installment</td></tr> <tr> <td><b>Amount:</b></td><td>\$389.50</td></tr> </table> | <b>Component Description:</b> | Second Installment | <b>Amount:</b> | \$925.00 | <b>Component Description:</b> | repack CP | <b>Amount:</b> | \$49.50 | <b>Component Description:</b> | Fifth Installment | <b>Amount:</b> | \$495.00 | <b>Component Description:</b> | Third Installment | <b>Amount:</b> | \$99.00 | <b>Component Description:</b> | First Installment | <b>Amount:</b> | \$99.00 | <b>Component Description:</b> | Fourth Installment | <b>Amount:</b> | \$389.50 |
| <b>Component Description:</b>  | Second Installment  |                               |                    |                |          |                               |           |                |         |                               |                   |                |          |                               |                   |                |         |                               |                   |                |         |                               |                    |                |          |
| <b>Amount:</b>   | \$925.00  |                               |                    |                |          |                               |           |                |         |                               |                   |                |          |                               |                   |                |         |                               |                   |                |         |                               |                    |                |          |
| <b>Component Description:</b>  | repack CP   |                               |                    |                |          |                               |           |                |         |                               |                   |                |          |                               |                   |                |         |                               |                   |                |         |                               |                    |                |          |
| <b>Amount:</b>   | \$49.50   |                               |                    |                |          |                               |           |                |         |                               |                   |                |          |                               |                   |                |         |                               |                   |                |         |                               |                    |                |          |
| <b>Component Description:</b>  | Fifth Installment   |                               |                    |                |          |                               |           |                |         |                               |                   |                |          |                               |                   |                |         |                               |                   |                |         |                               |                    |                |          |
| <b>Amount:</b>   | \$495.00  |                               |                    |                |          |                               |           |                |         |                               |                   |                |          |                               |                   |                |         |                               |                   |                |         |                               |                    |                |          |
| <b>Component Description:</b>  | Third Installment   |                               |                    |                |          |                               |           |                |         |                               |                   |                |          |                               |                   |                |         |                               |                   |                |         |                               |                    |                |          |
| <b>Amount:</b>   | \$99.00   |                               |                    |                |          |                               |           |                |         |                               |                   |                |          |                               |                   |                |         |                               |                   |                |         |                               |                    |                |          |
| <b>Component Description:</b>  | First Installment   |                               |                    |                |          |                               |           |                |         |                               |                   |                |          |                               |                   |                |         |                               |                   |                |         |                               |                    |                |          |
| <b>Amount:</b>   | \$99.00   |                               |                    |                |          |                               |           |                |         |                               |                   |                |          |                               |                   |                |         |                               |                   |                |         |                               |                    |                |          |
| <b>Component Description:</b>  | Fourth Installment  |                               |                    |                |          |                               |           |                |         |                               |                   |                |          |                               |                   |                |         |                               |                   |                |         |                               |                    |                |          |
| <b>Amount:</b>   | \$389.50  |                               |                    |                |          |                               |           |                |         |                               |                   |                |          |                               |                   |                |         |                               |                   |                |         |                               |                    |                |          |
| ASR modification (prepare FCC Form 854)  | Information not provided.   |                               |                    |                |          |                               |           |                |         |                               |                   |                |          |                               |                   |                |         |                               |                   |                |         |                               |                    |                |          |
| FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase | Information not provided.   |                               |                    |                |          |                               |           |                |         |                               |                   |                |          |                               |                   |                |         |                               |                   |                |         |                               |                    |                |          |

Cost  
Information

Other Expenses

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

| Description  | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification           | Actual Cost | Actual Cost Justification |
|--|-----------------------------|----------------|--|-------------|---------------------------|
| Other Expenses   | \$41,501.00                 | \$34,951.00    |  | \$27,390.43 |                           |
| DTV Medical Facility Notification  | \$11,550.00                 | \$5,000.00     | GBC estimate based on known quotations | \$1,587.50  | N/A                       |
| Equipment Storage  | <i>\$500.00</i>             | \$500.00       | GBC estimate                           | N/A         | N/A                       |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <i>\$2,000.00</i>           | \$2,000.00     | KET estimate based on known costs      | N/A         | N/A                       |

|   |                    |                |  |              |     |
|---|--------------------|----------------|--|--------------|-----|
| Develop and air announcement of upcoming channel change | <b>\$23,951.00</b> | \$23,951.00    | In order to run a notification crawl, it was necessary for KET to purchase a device that would insert the crawl into the ASI stream. Since KET has multiple video channels (1 HD & 3 SD) in the ASI stream, it required a device at WKHA and WKMR. | \$23,950.14  | N/A |
| MVPD Notification of Channel Change                     | <b>\$1,500.00</b>  | \$1,500.00     | KET estimate to search for and notify all cable companies.   | \$1,418.75   | N/A |
| Internal Labor  | <b>\$2,000.00</b>  | \$2,000.00     | N/A  | \$434.04     | N/A |
| <b>Sub-total</b>  | \$41,501.00        | \$34,951.00    | N/A  | \$27,390.43  | N/A |
| <b>Total for all systems</b>                            | \$1,371,381.00     | \$1,333,653.78 | N/A  | \$893,566.67 | N/A |

## Components

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

|  |   |
|--|---|
| DTV Medical Facility Notification  | <div> <div><b>Component Description:</b></div> <div>medical notification</div> <div><b>Amount:</b></div> <div>\$1,587.50</div> </div>   |
| Equipment Storage  | Information not provided.   |
| Disposal Costs (for equipment and other waste, net of any salvage value) | Information not provided.   |
| Develop and air announcement of upcoming channel change                  | <div> <div><b>Component Description:</b></div> <div>device for notification crawl</div> <div><b>Amount:</b></div> <div>\$23,950.14</div> </div>   |
| MVPD Notification of Channel Change                                      | <div> <div><b>Component Description:</b></div> <div>Prepare letters to MVPDs. Research and contact all relevant MVPD entities impacted by station move by mail and/or email. Prepare report for station.</div> <div><b>Amount:</b></div> <div>\$1,418.75</div> </div> |

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Internal Labor

**Component Description:** payroll expenses  
for internal labor  
**Amount:** \$37.85

**Component Description:** payroll expenses  
for internal labor  
**Amount:** \$37.54

**Component Description:** payroll expenses  
for internal labor  
**Amount:** \$57.54

**Component Description:** payroll expenses  
for internal labor  
**Amount:** \$66.91

**Component Description:** payroll expenses  
for internal labor  
**Amount:** \$34.52

**Component Description:** payroll expenses  
for internal labor  
**Amount:** \$71.76

**Component Description:** payroll expenses  
for internal labor  
**Amount:** \$58.43

**Component Description:** payroll expenses  
for internal labor  
**Amount:** \$69.49

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| Cost Information | Grand Total           |                             |                |              |
|------------------|-----------------------|-----------------------------|----------------|--------------|
|                  |                       | Predetermined Cost Estimate | Estimated Cost | Actual Cost  |
|                  | Total for all systems | \$1,371,381.00              | \$1,333,653.78 | \$893,566.67 |

|                      |  |          |
|----------------------|--|----------|
| Reimbursement Status | Question   | Response |
|                      | 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 |
|---------------|---|---|----------|
|               | Submission of Estimated Expenses Statements | <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.

**Shae  
Hopkins**  
*Executive  
Director*

09/26/2019

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

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

|  |   |
|--|---|
| <p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p> |   |
| <p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>  | <p><b>Shae Hopkins</b><br/> <i>Executive Director</i></p> <p>09/26/2019</p> |

## Attachments