



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **59444** | Service: **DTV** | Call **KSHB-TV** | Channel: **36 (UHF)** |  
ID: | Sign:  
File **0000027266**  
Number:  
FRN: **0002710192** | Date **07/10**  
Submitted: **/2017**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant   | Address  | Phone                    | Email                          | Applicant Type |
|---|--|--------------------------|--------------------------------|----------------|
| <b>SCRIPPS<br/>BROADCASTING<br/>HOLDINGS LLC</b><br>Doing Business As:<br>SCRIPPS MEDIA, INC. | David Giles<br>312<br>WALNUT<br>STREET<br>28TH FLOOR<br>CINCINNATI,<br>OH 45202<br>United States | +1 (513)<br>977-<br>3000 | DAVE.<br>GILES@SCRIPPS.<br>COM | Corporation    |

## Reimbursement Contact Information

### Reimbursement Contact Name and Information

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

## Preparer Contact Information

### Preparer Contact Name and Information

| Applicant  | Address   | Phone                 | Email                           |
|--|---|-----------------------|---------------------------------|
| <b>Ray Thurber</b><br><i>SCRIPPS BROADCASTING<br/>HOLDINGS LLC</i> | Ray Thurber<br>312 Walnut St.<br>Cincinnati, OH<br>45202<br>United States | +1 (248) 827-<br>9202 | ray.<br>thurber@scripps.<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   | KSHB must replace its main and auxiliary antenna and main and auxiliary transmitter in order to move it its new channel. |

**Transmitters**

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

**Auxiliary  
Transmitter****Existing Transmitter Information**

| Section   | Question   | Response                 |
|---|--|--------------------------|
| <b>Existing Transmitter<br/>Description</b>           | Type of change   | Purchase<br>New          |
|   | Use  | Auxiliary<br>(Backup)    |
|   | Description of Use   | Backup<br>Auxiliary      |
|   | 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  | HP25SDW                  |
|   | Year   | 2003                     |
|   | Type   | Inductive<br>Output Tube |
|   | IOT Power Type   | Single                   |
|   | Power Capacity   | 25.0 kW                  |

**Auxiliary  
Transmitter**

**New Transmitter Costs**

| Section         | Question                                  | Response  |
|-----------------|---|---|
| New Transmitter | Use                                       | Auxiliary<br>(Backup)   |
|                 | Change Type                               | Purchase<br>New   |
|                 | Is this a request for upgraded equipment? | No  |
|                 | Manufacturer                              |   |
|                 | Model                                     | ULXTE50-E   |
|                 | Transmitter Type                          | Solid State   |
|                 | Solid State Cooling                       | Liquid Cooled   |
|                 | Solid State Power capacity                | 31.7 kW   |
|                 | Justification for New Transmitter         | Current<br>Axcera<br>transmitter is<br>orphaned and<br>no longer<br>supported by<br>the<br>manufacturer.<br>Available<br>parts are in<br>very limited<br>supply and in<br>some cases<br>are no longer<br>available. It<br>cannot be<br>retuned. |

**Auxiliary  
Transmitter**

**Other Transmitter Costs**

| Section            | Question                              | Response |
|--------------------|---------------------------------------|----------|
| Electrical Service | Service Entrance (3 phases 800A 208V) | No       |
|                    | Switchgear (industrial 800 amp)       | Yes      |
|                    | Transformer (480V)                    | Yes      |
|                    |                                       |          |

|  |   |  |
|--|---|--|
|  | Power   | 300 kVA  |
|  | Rigid Conduit and Wiring  | No   |
|  | Size  | N/A  |
|  | Length  | N/A  |
|  | Other Electrical Service  | Yes  |
|  | Description   | Necessary conduit, wiring and fuse disconnects as quoted by electrical contractor. |
| <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  |

**Auxiliary Transmitter**      **Other Transmitter Cost Not Listed**  
Information not provided.

**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  | HP60DDW                  |
|   | Year   | 2003                     |
|   | Type   | Inductive<br>Output Tube |
|   | IOT Power Type   | Two                      |
|   | Power Capacity   | 60.0 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                                     | ULXTE80   |
|                 | Transmitter Type                          | Solid State   |
|                 | Solid State Cooling                       | Liquid Cooled   |
|                 | Solid State Power capacity                | 50.1 kW   |
|                 | Justification for New Transmitter         | Current Axcera transmitter is orphaned and no longer supported by the manufacturer. Available parts are in very limited supply and in some cases are no longer available. It cannot be retuned. |

**Primary  
Transmitter**

**Other Transmitter Costs**

| Section            | Question                              | Response |
|--------------------|---------------------------------------|----------|
| Electrical Service | Service Entrance (3 phases 800A 208V) | No       |
|                    | Switchgear (industrial 800 amp)       | Yes      |
|                    | Transformer (480V)                    | Yes      |
|                    |                                       |          |

|  |   |  |
|--|---|--|
|  | Power   | 300 kVA  |
|  | Rigid Conduit and Wiring  | No   |
|  | Size  | N/A  |
|  | Length  | N/A  |
|  | Other Electrical Service  | Yes  |
|  | Description   | Necessary conduit, wiring and fuse disconnects as quoted by electrical contractor. |
| <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**

| Name  | Description  |
|---|--|
| <b>Transmitter Headroom Replication Step-up</b> | Cost associated for 1 step from the required transmitter power to account for extra headroom station has in current transmitter. |



**Antennas**

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

**Auxiliary  
Antenna****Existing Antenna Information**

| Section   | Question   | Response              |
|---|--|-----------------------|
| <b>Existing Antenna<br/>Description</b>           | Type of change   | Purchase<br>New       |
|   | Antenna Use  | Auxiliary<br>(Backup) |
|   | Description of Use   | Backup<br>Auxiliary   |
|   | Ownership  | Owned                 |
|   | Owner  | N/A                   |
|   | Site   | N/A                   |
|   | Is the existing antenna shared with another station or stations? | Yes                   |
|   | 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                    |
| <b>Existing Antenna<br/>Manufacturer and Type</b> | Class  | Full Power            |
|   | Mounting   | Side Mount            |
|   | Antenna position in stack  | Not in Stack          |
|   | Polarization   | Elliptical            |
|   | 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>.....                         | 1000.0 kW             |

|              |                            |
|--------------|----------------------------|
| Manufacturer |                            |
| Model        | TFU-<br>30DSC-R<br>4C130DC |
| Year         | 2003                       |

**Facility ID's and Call Signs of  
all stations with whom the  
antenna is shared.**

| Facility ID | Call Sign |
|-------------|-----------|
| 42636       | KMCI-TV   |

**Auxiliary  
Antenna**

**New Antenna Costs**

| Section                               | Question   | Response              |
|---------------------------------------|--|-----------------------|
| New Antenna Description               | Use  | Auxiliary<br>(Backup) |
|                                       | Description of Use   | Backup<br>Auxiliary   |
|                                       | Change Type  | Purchase<br>New       |
|                                       | Is this a request for upgraded equipment?                            | No                    |
|                                       | Ownership  | Owned                 |
|                                       | Owner  | N/A                   |
|                                       | Is antenna shared?   | Yes                   |
|                                       | Is antenna directional?  | No                    |
|                                       | Will antenna be located on or in close proximity to an antenna farm? | No                    |
| New Antenna<br>Manufacturer and Types | Class  | Full Power            |
|                                       | Mounting   | Side Mount            |
|                                       | Antenna position in stack  | Not in Stack          |
|                                       | Polarization   | Horizontal            |
|                                       | Type   | Broadband<br>Panel    |
|                                       | Number of Stations Supported   | 2                     |
|                                       | Number of Panels/Bays  | 14                    |
|                                       | Lower Limit  | 470.00 MHz            |
|                                       | Upper Limit  | 728.00 MHz            |
|                                       | Design power capacity in use   | 80.0 %                |
|                                       | Other Antenna Type   | N/A                   |
|                                       | ERP: (Effective Radiated Power)<br>.....                             | 1000.0 kW             |
|                                       | Manufacturer   |                       |
|                                       |  |                       |

|                               |  |
|-------------------------------|--|
| Model                         | TUA-04-14<br>/56H-1-S  |
| Year                          | 2018   |
| Justification for New Antenna | Existing KSHB auxiliary antenna is a side-mounted coaxial slot antenna. The existing KMCI auxiliary is also a side-mounted coaxial slot antenna. To save money in the repack, Scripps is proposing to combined these facilities into a single antenna. |

## Auxiliary Antenna

### Other Antenna Costs

| Section                            | Question                                     | Response   |
|------------------------------------|--|------------|
| <b>Combiner for Shared Antenna</b> | Do you need a Combiner for a Shared Antenna? | Yes        |
|                                    | Type   | New        |
|                                    | Number of channels supported                 | 2          |
|                                    | Frequencies of channels supported            | RF channel |
|                                    | Frequency                                    | N/A        |
|                                    |  |            |

|                                 |   |     |
|---------------------------------|---|-----|
|                                 | Do you need a combiner output splitter /switcher for dual feed lines?                                       | No  |
| <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?                       | 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 |

**Enter a list of RF channel numbers.**

**RF Channel Number**

36

25

**Auxiliary Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**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? | Yes                |
|   | Is the existing antenna directional?                             | No                 |
|   | Is antenna in operating condition?                               | Yes                |
|   | Is antenna located on or in close proximity to an antenna farm?  | No                 |
| <b>Existing Antenna<br/>Manufacturer and Type</b> | Class  | Full Power         |
|   | Mounting   | Top Mount          |
|   | Antenna position in stack  | Not in Stack       |
|   | Polarization   | Elliptical         |
|   | 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>.....                         | 730.0 kW           |
|   |  |                    |

|              |                                  |
|--------------|----------------------------------|
| Manufacturer |                                  |
| Model        | TFU-30GTH<br>/VP-R O6<br>DC 4241 |
| Year         | 2009                             |

**Facility ID's and Call Signs of  
all stations with whom the  
antenna is shared.**

| Facility ID | Call Sign |
|-------------|-----------|
| 42636       | KMCI-TV   |



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?                            | No              |
|                                    | 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>.....                             | 647.0 kW        |
|                                    | Manufacturer   |                 |
|                                    |  |                 |

|                               |   |
|-------------------------------|---|
| Model                         | TFU-28GTH<br>/VP-R O6   |
| Year                          | 2018  |
| Justification for New Antenna | Existing main antenna is a coaxial slot antenna that is channel specific and cannot be reused on the new channel. |

## 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? | 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      |

**Auxiliary**      **Existing Transmission Line**  
**Transmission Line**

| Section   | Question   | Response           |
|---|--|--------------------|
| <b>Existing Transmission Line Description</b>           | Type of change   | Purchase New       |
|   | Use  | Auxiliary (Backup) |
|   | Description of Use   | Backup Auxiliary   |
|   | 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   | 19 1/2 inches      |
|   | Other Segment Length   | N/A                |
|   | Number of parallel runs  | 1                  |
|   | Length   | 1060 feet per run  |

**Auxiliary**  
**Transmission Line**

**New Transmission Line**

| Section                            | Question                                  | Response   |
|------------------------------------|---|--|
| <b>New Transmission Line Costs</b> | Use                                       | Auxiliary (Backup)   |
|                                    | Description of Use                        | Backup Auxiliary   |
|                                    | Change Type                               | Purchase New   |
|                                    | Is this a request for upgraded equipment? | No   |
|                                    | Type                                      | Rigid  |
|                                    | Diameter                                  | 7 3/16 inches  |
|                                    | Other Diameter                            | N/A  |
|                                    | Segment Length                            | Broadband  |
|                                    | Other Segment Length                      | N/A  |
|                                    | Number of parallel runs                   | 1  |
|                                    | Length                                    | 1120 feet per run  |
|                                    | Justification for New Transmission Line   | KSHB will share a broadband panel antenna with KMCI. In order to facilitate both stations using the same antenna, the transmission line must be sized for both channels (Ch. 25 and Ch. 36). |

| Auxiliary         | Other Transmission Line Expenses Not Listed |
|-------------------|---|
| Transmission Line | Information not provided.                   |

**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? | Yes               |
|   | Is Transmission Line in operating condition?                               | Yes               |
| <b>Existing Transmission Line Manufacturer and Type</b> | Manufacturer   |                   |
|   | Type   | Rigid             |
|   | Diameter   | 8 3/16 inches     |
|   | Other Diameter   | N/A               |
|   | Segment Length   | 19 1/2 inches     |
|   | Other Segment Length   | N/A               |
|   | Number of parallel runs  | 1                 |
|   | Length   | 1180 feet per run |

**Facility ID's and Call Signs of all stations with whom the transmission line is shared.**

| Facility ID | Call Sign |
|-------------|-----------|
| 42636       | KMCI-TV   |



**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                            | 19 3/4 inches  |
|                                    | Other Segment Length                      | N/A  |
|                                    | Number of parallel runs                   | 1  |
|                                    | Length                                    | 1180 feet per run  |
|                                    | Justification for New Transmission Line   | The current KSHB transmission line has 19-1/2" segment lengths which will not work for the new Ch. 36. |

**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?            | Yes               |
|   | Is tower compliant with Rev G?                          | Yes               |
| Existing Tower Structure Registration               | Do you have a tower registration number?                | Yes               |
|   | ASR Number  | 1234587           |
| Coordinates (NAD83 ( North American Datum of 1983)) | Latitude (NAD83)  | 38° 58' 42.0" N-  |
|   | Longitude (NAD83)                                       | 094° 32' 01.8" W- |
|   | Overall Structure Height                                | 1152.87 feet      |
|   | Support Structure Height                                | 1099.72 feet      |
|   | Ground Elevation Above Mean Sea Level (AMSL)            | 884.83 feet       |

|  |                  |  |
|--|------------------|--|
|  | Structure Type   | TOWER - Free Standing or Guyed Structure |
|  | Tower Owner      | SCRIPPS MEDIA, INC.                      |
|  | Date Constructed | 08/20/2009                               |

**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 |
|-------------|-----------|---------|
| 42636       | KMCI-TV   | DTV     |

## Primary Tower

### Tower Modification Costs

| Section              | Question   | Response                          |
|----------------------|--|-----------------------------------|
| Engineering Study    | Please what type of engineering study is required, if any: | Study needed for documented tower |
| Tower Reinforcements | Please select whether tower reinforcements are needed:     | No 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   |
|---------------------------|---|
| PCI                       | Plumb and Tension Tower   |
| PE Review of Rigging Plan | Professional Engineering review of proposed rigging plan as required by ANSI /ASEE A10.48 and ANSI/TIA 322 standards. |

**Outside  
Professional Services Costs**

| Section   | Question   | Response |
|---|--|----------|
| <b>Outside Project Management Services</b>            | Do you require outside project management services?                          | No       |
|   | Number of Hours  | N/A      |
|   | Explanation  | N/A      |
| <b>Outside RF consulting Engineering Services</b>     | Perform engineering study for new channel assignment and antenna development | Yes      |
|   | Prepare engineering section of Form FCC Construction Permit Application      | Yes      |
|   | For Auxiliary Facility   | Yes      |
|   | For Main Facility  | Yes      |
|   | Prepare engineering section of Form FCC License to Cover Application         | Yes      |
|   | For Auxiliary Facility   | Yes      |
|   | For Main Facility  | Yes      |
|   | Prepare request for Special Temporary Authority                              | Yes      |
|   | Quantity   | 2        |
|   | Do you have Distributed Transmission System engineering services?            | N/A      |
|   | Critical Facility  | N/A      |
|   | Terrain-Shielded Facility  | N/A      |
| <b>Attorney and Other Outside Consulting Services</b> | Prepare and file Form FCC Construction Permit Application                    | Yes      |
|   | For Auxiliary Facility   | Yes      |
|   | For Main Facility  | Yes      |
|   | Prepare and file Form FCC License to Cover Application                       | Yes      |
|   | For Auxiliary Facility   | Yes      |
|   | For Main Facility  | Yes      |
|   |  |          |

|                                      |  |     |
|--------------------------------------|--|-----|
|                                      | Prepare request for Special Temporary Authority  | Yes |
|                                      | Quantity   | 2   |
|                                      | 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   | No  |
|                                      | Additional Field Engineering Service   | No  |
|                                      | Number of Days   | N/A |
|                                      | Justification  | N/A |

**Outside Professional Services Costs**

**Other Professional Services Expenses Not Listed**

| Name               | Description   |
|--------------------|---|
| <b>Site Survey</b> | GatesAir performed a site survey to access changes to facility as necessary to transition to new channel including, power and HVAC requirements, available transmitter room space and existing antenna and transmission line RF characteristics at new channel. |

## 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   | 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?  | 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   |
|---------------|---|
| Employee Time | Time needed by Scripps corporate and KSHB employees to work on the transition to a new channel. |



## 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 ULXTE80</b>   | <b>\$1,572,853.00</b>       | <b>\$1,569,153.00</b> |                              | <b>\$0.00</b> |                           |
| Switchgear - industrial 800 amp  | \$38,200.00                 | \$36,300.00           | N/A                          | N/A           | N/A                       |
| UHF - Liquid Cooled Solid State Transmitter 50.1 kW  | <i>\$1,269,553.00</i>       | \$1,269,553.00        | N/A                          | N/A           | N/A                       |
| Transformer 3 phase/480v - 300 KVA   | \$36,800.00                 | \$35,000.00           | N/A                          | N/A           | N/A                       |
| Other Electrical Service: Necessary conduit, wiring and fuse disconnects as quoted by electrical contractor. | <i>\$12,300.00</i>          | \$12,300.00           | N/A                          | N/A           | N/A                       |
| Transmitter Headroom Replication Step-up   | <i>\$216,000.00</i>         | \$216,000.00          | N/A                          | N/A           | N/A                       |
| <b>Auxiliary Transmitter ULXTE50-E</b>   | <b>\$1,027,629.00</b>       | <b>\$1,023,929.00</b> |                              | <b>\$0.00</b> |                           |
| UHF - Liquid Cooled Solid State Transmitter 31.7 kW  | <i>\$940,329.00</i>         | \$940,329.00          | N/A                          | N/A           | N/A                       |

|  |                    |                |     |        |     |
|--|--------------------|----------------|-----|--------|-----|
| Switchgear - industrial 800 amp  | \$38,200.00        | \$36,300.00    | N/A | N/A    | N/A |
| Transformer 3 phase/480v - 300 KVA   | \$36,800.00        | \$35,000.00    | N/A | N/A    | N/A |
| Other Electrical Service: Necessary conduit, wiring and fuse disconnects as quoted by electrical contractor. | <b>\$12,300.00</b> | \$12,300.00    | N/A | N/A    | N/A |
| <b>Sub-total</b>   | \$2,600,482.00     | \$2,593,082.00 | N/A | \$0.00 | N/A |
| <b>Total for all systems</b>   | \$4,348,271.00     | \$4,099,401.00 | N/A | \$0.00 | N/A |

## 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>Primary</b>   | <b>\$296,230.00</b>         | <b>\$281,400.00</b>   |                              | <b>\$0.00</b> |                           |
| <b>Antenna TFU-28GTH/VP-R O6</b>   |                             |                       |                              |               |                           |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | \$289,500.00                | \$275,000.00          | N/A                          | N/A           | N/A                       |
| Sweep test of existing antenna   | \$6,730.00                  | \$6,400.00            | N/A                          | N/A           | N/A                       |
| <b>Auxiliary</b>   | <b>\$285,634.00</b>         | <b>\$281,104.00</b>   |                              | <b>\$0.00</b> |                           |
| <b>Antenna TUA-04-14/56H-1-S</b>   |                             |                       |                              |               |                           |
| UHF – Broadband Panel, Side Mount Auxiliary /Interim, 1000 horizontally polarized                    | <i>\$194,704.00</i>         | \$194,704.00          | N/A                          | N/A           | N/A                       |
| Sweep test of existing antenna   | \$6,730.00                  | \$6,400.00            | N/A                          | N/A           | N/A                       |
| New combiner, cost per channel (without antenna)   | \$84,200.00                 | \$80,000.00           | N/A                          | N/A           | N/A                       |
| <b>Sub-total</b>   | <b>\$581,864.00</b>         | <b>\$562,504.00</b>   | <b>N/A</b>                   | <b>\$0.00</b> | <b>N/A</b>                |
| <b>Total for all systems</b>   | <b>\$4,348,271.00</b>       | <b>\$4,099,401.00</b> | <b>N/A</b>                   | <b>\$0.00</b> | <b>N/A</b>                |

## 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<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification | Actual<br>Cost | Actual Cost<br>Justification |
|--|--------------------------------|-------------------|------------------------------------|----------------|------------------------------|
| Primary<br>Transmission<br>Line                              | \$238,360.00                   | \$226,560.00      |                                    | \$0.00         |                              |
| Rigid<br>Transmission<br>Line - copper, 6<br>1/8"            | \$238,360.00                   | \$226,560.00      | N/A                                | \$0.00         | N/A                          |
| Auxiliary<br>Transmission<br>Line                            | \$372,960.00                   | \$177,520.00      |                                    | \$0.00         |                              |
| Rigid<br>Transmission<br>Line - copper, 7<br>3/16" broadband | \$372,960.00                   | \$177,520.00      | N/A                                | N/A            | N/A                          |
| Sub-total  | \$611,320.00                   | \$404,080.00      | N/A                                | \$0.00         | N/A                          |
| Total for all<br>systems                                     | \$4,348,271.00                 | \$4,099,401.00    | N/A                                | \$0.00         | 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<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification | Actual<br>Cost | Actual Cost<br>Justification |
|--|--------------------------------|-------------------|------------------------------------|----------------|------------------------------|
| Primary Tower<br>TOWER   | \$240,600.00                   | \$229,500.00      |                                    | \$0.00         |                              |
| Tall Tower<br>(greater than<br>500')   | \$210,500.00                   | \$200,000.00      | N/A                                | N/A            | N/A                          |
| PCI  | <i>\$10,000.00</i>             | \$10,000.00       | N/A                                | N/A            | N/A                          |
| Structural<br>engineering<br>tower load study<br>for well<br>documented<br>tower | \$12,600.00                    | \$12,000.00       | N/A                                | N/A            | N/A                          |
| PE Review of<br>Rigging Plan   | <i>\$7,500.00</i>              | \$7,500.00        | N/A                                | N/A            | N/A                          |
| Sub-total  | \$240,600.00                   | \$229,500.00      | N/A                                | \$0.00         | N/A                          |
| Total for all<br>systems   | \$4,348,271.00                 | \$4,099,401.00    | N/A                                | \$0.00         | N/A                          |

Components

Information not provided.

## Cost Information

### Outside Professional Services

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

| Description  | Predetermined Cost Estimate | Estimated Cost     | Estimated Cost Justification | Actual Cost   | Actual Cost Justification |
|--|-----------------------------|--------------------|------------------------------|---------------|---------------------------|
| <b>Outside Professional Services</b>   | <b>\$62,815.00</b>          | <b>\$59,650.00</b> |                              | <b>\$0.00</b> |                           |
| Prepare request for Special Temporary Authorization  | \$4,100.00                  | \$3,000.00         | N/A                          | N/A           | N/A                       |
| Site Survey  | <i>\$16,900.00</i>          | \$16,900.00        | N/A                          | N/A           | N/A                       |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application                                 | \$3,155.00                  | \$3,000.00         | N/A                          | N/A           | N/A                       |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, 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                          | N/A           | N/A                       |

|  |            |            |     |     |     |
|--|------------|------------|-----|-----|-----|
| Attorney Fees -<br>Prepare and File<br>request for<br>Special<br>Temporary<br>Authorization  | \$7,360.00 | \$7,000.00 | N/A | N/A | N/A |
| Attorney Fees -<br>Prepare and File<br>FCC Form 2100<br>(main), License<br>to Cover<br>Application   | \$2,365.00 | \$2,250.00 | N/A | N/A | N/A |
| ASR<br>modification<br>(prepare FCC<br>Form 854)   | \$2,105.00 | \$2,000.00 | N/A | N/A | N/A |
| FAA consultant,<br>including cost of<br>preparing FAA<br>Form 7460<br>(Notice of<br>Proposed<br>Construction), if<br>needed for<br>height increase | \$2,105.00 | \$2,000.00 | N/A | N/A | N/A |
| Prepare<br>engineering<br>section of FCC<br>Form 2100<br>(main), License<br>to Cover<br>Application  | \$1,580.00 | \$1,500.00 | N/A | N/A | N/A |
| RF Consulting<br>Engineer Fees-<br>Aux Antenna:<br>Prepare<br>engineering<br>section of FCC<br>Form 2100,<br>Construction<br>Permit<br>Application | \$2,105.00 | \$2,000.00 | N/A | N/A | N/A |



|  |                |                |     |        |     |
|--|----------------|----------------|-----|--------|-----|
| Prepare and or review reimbursement form   | \$2,630.00     | \$2,500.00     | N/A | N/A    | N/A |
| Perform engineering study for new channel assignment and antenna development                       | \$7,360.00     | \$7,000.00     | N/A | N/A    | N/A |
| Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application | \$4,210.00     | \$4,000.00     | N/A | N/A    | N/A |
| <b>Sub-total</b>   | \$62,815.00    | \$59,650.00    | N/A | \$0.00 | N/A |
| <b>Total for all systems</b>   | \$4,348,271.00 | \$4,099,401.00 | N/A | \$0.00 | N/A |

## Components

Information not provided.

## Cost Information

### Other Expenses

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

| Description  | Predetermined Cost Estimate | Estimated Cost      | Estimated Cost Justification | Actual Cost   | Actual Cost Justification |
|--|-----------------------------|---------------------|------------------------------|---------------|---------------------------|
| <b>Other Expenses</b>  | <b>\$251,190.00</b>         | <b>\$250,585.00</b> |                              | <b>\$0.00</b> |                           |
| DTV Medical Facility Notification  | \$11,550.00                 | \$11,000.00         | N/A                          | N/A           | N/A                       |
| FCC Filing Fees - Special Temporary Authorization request                | \$195.00                    | \$190.00            | N/A                          | N/A           | N/A                       |
| Non-zoning permits   | <i>\$500.00</i>             | \$500.00            | N/A                          | N/A           | N/A                       |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <i>\$25,000.00</i>          | \$25,000.00         | N/A                          | N/A           | N/A                       |
| Equipment Delivery and Handling Charges                                  | <i>\$60,000.00</i>          | \$60,000.00         | N/A                          | N/A           | N/A                       |
| Equipment Storage  | <i>\$20,000.00</i>          | \$20,000.00         | N/A                          | N/A           | N/A                       |
| Develop and air announcement of upcoming channel change                  | <i>\$5,000.00</i>           | \$5,000.00          | N/A                          | N/A           | N/A                       |
| MVPD Notification of Channel Change                                      | <i>\$2,500.00</i>           | \$2,500.00          | N/A                          | N/A           | N/A                       |
| Employee Time  | <i>\$125,000.00</i>         | \$125,000.00        | N/A                          | N/A           | N/A                       |

|   |                |                |     |        |     |
|---|----------------|----------------|-----|--------|-----|
| FCC Filing Fees<br>- Form 2100<br>license to cover<br>application | \$335.00       | \$325.00       | N/A | N/A    | N/A |
| FCC Filing Fees<br>- Form 2100<br>minor change<br>CP application  | \$1,110.00     | \$1,070.00     | N/A | N/A    | N/A |
| <b>Sub-total</b>  | \$251,190.00   | \$250,585.00   | N/A | \$0.00 | N/A |
| <b>Total for all<br/>systems</b>                                  | \$4,348,271.00 | \$4,099,401.00 | N/A | \$0.00 | N/A |

### Components

Information not provided.

|                             |                              |  |                       |
|-----------------------------|------------------------------|--|-----------------------|
| <b>Cost<br/>Information</b> | <b>Grand Total</b>           |  |                       |
|                             |                              | <b>Predetermined<br/>Cost Estimate</b> | <b>Estimated Cost</b> |
|                             |                              |  | <b>Actual Cost</b>    |
|                             | <b>Total for all systems</b> | \$4,348,271.00                         | \$4,099,401.00        |
|                             |                              |  | \$0.00                |

|                             |  |                 |
|-----------------------------|--|-----------------|
| <b>Reimbursement Status</b> | <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 |
|---------------|---|---|----------|
|               | 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.

|   |  |
|---|--|
| <p>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.</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>Ray<br/>Thurber</b><br/>Vice<br/>President /<br/>Engineering</p> <p>07/10/2017</p> |

| 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>Ray<br/>Thurber</b><br/><i>Vice<br/>President /<br/>Engineering</i></p> <p>07/10/2017</p> |

## Attachments