

Federal Communications Commission

### (REFERENCE COPY - Not for submission)

## FCC Form 399: Reimbursement Request

| Facility<br>ID: | 56079    | Service: DTV       | Call<br>Sign:  | KMBH | Channel: 16 (UHF) |
|-----------------|----------|--------------------|----------------|------|-------------------|
| File<br>Number: | 000002   | 28132              |                |      |                   |
| FRN: <b>00</b>  | 01529627 | Date<br>Submitted: | 07/12<br>/2019 |      |                   |

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

#### Applicant Information

| า | Applicant                | Address  | Phone                | Email                            | Applicant<br>Type               |
|---|--------------------------|--|----------------------|----------------------------------|---------------------------------|
|   | MBTV TEXAS<br>VALLEY LLC | Debbie Barrera<br>21019 US<br>Highway 281<br>N.<br>Suite 830-59<br>San Antonio,<br>TX 78258<br>United States | +1 (210)<br>854-2761 | dbarrera@rcommunications.<br>com | Limited<br>Liability<br>Company |

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

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

## Preparer Preparer Contact Name and Information

| Contact<br>Information | Applicant   | Address   | Phone                 | Email                                   |
|------------------------|---|---|-----------------------|---|
|                        | Steven Avery<br>Smith<br>Chief Engineer<br>MBTV Texas<br>Valley LLC | Steven A. Smith<br>1201 North Jackson<br>Road #900<br>Suite 900<br>McAllen, TX 78501<br>United States | +1 (956) 483-<br>9620 | steve.<br>smith@rcommunications.<br>com |

| Broadcaster                              | Question   | Response  |  |
|--|--|---|--|
| Information<br>and<br>Transition<br>Plan | Will the station be sharing equipment with<br>another broadcast television station or<br>stations (e.g., a shared antenna, co-location<br>on a tower, use of the same transmitter<br>room, multiple transmitters feeding a<br>combiner, etc.)? If yes, enter the facility ID's<br>of the other stations and click 'prefill' to<br>download those stations' licensing<br>information. | No  |  |
|  | Briefly describe transition plan   | New Comark Parallax transmitter to replace<br>existing Comark Paragon transmitter.<br>Discussed and verbally approved by Cindy<br>Cavell. This is updated application bringing<br>all previously unknown issues/factors to<br>fruition. |  |

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

| Primary     | Existing Transmitter Information    |  |                          |  |  |  |
|-------------|-------------------------------------|--|--------------------------|--|--|--|
| Transmitter | Section                             | Question   | Response                 |  |  |  |
|             | Existing Transmitter<br>Description | Type of change   | Purchase<br>New          |  |  |  |
|             |                                     | Use  | Primary<br>(Main)        |  |  |  |
|             |                                     | Description of Use   | N/A                      |  |  |  |
|             |                                     | Ownership  | Owned                    |  |  |  |
|             |                                     | Owner  | N/A                      |  |  |  |
|             |                                     | Site   | N/A                      |  |  |  |
|             |                                     | Is this transmitter currently shared with another station? | No                       |  |  |  |
|             |                                     | Is this transmitter currently in operating condition?      | No                       |  |  |  |
|             | Existing Transmitter                | Manufacturer   |                          |  |  |  |
|             | Manufacturer and Type               | Model  | Paragon                  |  |  |  |
|             |                                     | Year   | 2005                     |  |  |  |
|             |                                     | Туре   | Inductive<br>Output Tube |  |  |  |
|             |                                     | IOT Power Type   | Single                   |  |  |  |
|             |                                     | Power Capacity   | 25 kW                    |  |  |  |

### **Existing Transmitter Information**

| Primary     | New Transmitter Costs |   |   |  |  |
|-------------|-----------------------|---|---|--|--|
| Transmitter | Section               | Question                                  | Response  |  |  |
|             | New Transmitter       | Use                                       | Primary (Main)  |  |  |
|             |                       | Change Type                               | Purchase New  |  |  |
|             |                       | Is this a request for upgraded equipment? | Yes   |  |  |
|             |                       | Manufacturer                              |   |  |  |
|             |                       | Model                                     | HPTV-PRLX-U13   |  |  |
|             |                       | Transmitter Type                          | Solid State   |  |  |
|             |                       | Solid State Cooling                       | Liquid Cooled   |  |  |
|             |                       | Solid State Power capacity                | 21 kW   |  |  |
|             |                       | Justification for New Transmitter         | New transmitter<br>eliminates need<br>for temp AUX<br>transmitter. Also<br>Comark's<br>rewcommendation<br>that attempted re-<br>tune of existing is<br>not optimal cost<br>savings approach.<br>Discussed with<br>Cindy Cavell and<br>verbally justified. |  |  |

#### **Other Transmitter Costs**

| Primary     | Other Transmitter Costs |                                       |          |  |  |  |
|-------------|-------------------------|---------------------------------------|----------|--|--|--|
| Transmitter | Section                 | Question                              | Response |  |  |  |
|             | Electrical Service      | Service Entrance (3 phases 800A 208V) | No       |  |  |  |
|             |                         | Switchgear (industrial 800 amp)       | No       |  |  |  |
|             |                         | Transformer (480V)                    | Yes      |  |  |  |
|             |                         | Power                                 | 150 kVA  |  |  |  |
|             |                         | Rigid Conduit and Wiring              | Yes      |  |  |  |
|             |                         | Size                                  | 3 inches |  |  |  |
|             |                         |                                       |          |  |  |  |

|   | Length   | 50.0 feet |
|---|--|-----------|
|   | Other Electrical Service   | No        |
|   | Description  | N/A       |
| HVAC Service  | Does the replacement transmitter require HVAC Service?                                       | No        |
|   | Туре   | N/A       |
|   | Size   | N/A       |
|   | Other Size   | N/A       |
| Transmitter Building<br>Addition/Modification or<br>Leasehold Improvement | Does the Transmitter Building require an addition, modification, other leashold improvement? | No        |
|   | Size   | N/A       |
| Channel 14 Costs  | Is an RF Consulting Engineer needed?   | N/A       |
|   | Is a channel 14 Mask Filer needed?   | N/A       |
|   | Is additional field engineering time needed?   | N/A       |
|   | Number of Days   | N/A       |

#### Other Transmitter Cost Not Listed

| Primary<br>Transmitter | Other Transmitter Cost Not Listed |  |  |  |  |
|------------------------|-----------------------------------|--|--|--|--|
|                        | Name                              | Description  |  |  |  |
|                        | RF Plumbing Filters               | 8 pole filter and line installation from transmitter to feedline input |  |  |  |

| Antennas Section |               | Question                              | Response |
|------------------|---------------|---------------------------------------|----------|
| Antenna Rela     | ated Expenses | Do you have antenna related expenses? | Yes      |

| Primary<br>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         |  |  |
|                    |   | Туре   | Slotted<br>Coaxial |  |  |
|                    |   | Number of Stations Supported                                     | N/A                |  |  |
|                    |   | Number of Panels   | N/A                |  |  |
|                    |   | Design power capacity in use                                     | N/A                |  |  |
|                    |   | Lower Limit  | N/A                |  |  |
|                    |   | Upper Limit  | N/A                |  |  |
|                    |   | Other Antenna Type   | N/A                |  |  |
|                    |   | ERP: (Effective Radiated Power)                                  | 1000.0 kW          |  |  |

| Manufacturer |                      |
|--------------|----------------------|
| Model        | ATW20H4-<br>HSPX-38H |
| Year         | 2005                 |

| Primary | New Antenna Costs                     |  |                    |  |  |
|---------|---------------------------------------|--|--------------------|--|--|
| Antenna | Section                               | Question   | Response           |  |  |
|         | New Antenna Description               | Use  | Primary<br>(Main)  |  |  |
|         |                                       | Description of Use   | N/A                |  |  |
|         | -                                     | Change Type  | Purchase<br>New    |  |  |
|         |                                       | Is this a request for upgraded equipment?                            | No                 |  |  |
|         |                                       | Ownership  | Owned              |  |  |
|         |                                       | Owner  | N/A                |  |  |
|         |                                       | Is antenna shared?   | No                 |  |  |
|         |                                       | Is antenna directional?  | Yes                |  |  |
|         |                                       | Will antenna be located on or in close proximity to an antenna farm? | No                 |  |  |
|         | New Antenna<br>Manufacturer and Types | Class  | Full Power         |  |  |
|         |                                       | Mounting   | Top Mount          |  |  |
|         |                                       | Antenna position in stack  | Not in Stack       |  |  |
|         |                                       | Polarization   | Horizontal         |  |  |
|         |                                       | Туре   | Slotted<br>Coaxial |  |  |
|         |                                       | Number of Stations Supported   | N/A                |  |  |
|         |                                       | Number of Panels/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)                                      | 618.0 kW           |  |  |
|         |                                       | Manufacturer   |                    |  |  |
|         |                                       |  |                    |  |  |

| Model                         | ATW15HS4<br>ETPX-16H  |
|-------------------------------|---|
| Year                          | 2017  |
| Justification for New Antenna | Can not re-<br>tune or use<br>existing due<br>to<br>frequency<br>change |

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

PrimaryOther Antenna Cost Not ListedAntennaInformation not provided.

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

| ransmissio | Section                                   | Question   | Response             |
|------------|---|--|----------------------|
|            | Existing Transmission<br>Line Description | Type of change   | Purchase<br>New      |
|            |   | Use  | Primary<br>(Main)    |
|            |   | Description of Use   | N/A                  |
|            |   | Ownership  | Owned                |
|            |   | Owner  | N/A                  |
|            |   | Site   | N/A                  |
|            |   | Is the existing transmission line shared with another station or stations? | No                   |
|            |   | Is Transmission Line in operating condition?                               | Yes                  |
|            | Existing Transmission                     | Manufacturer   |                      |
|            | Line Manufacturer and<br>Type             | Туре   | Rigid                |
|            |   | Diameter   | 6 1/8<br>inches      |
|            |   | Other Diameter   | N/A                  |
|            |   | Segment Length   | 20 inches            |
|            |   | Other Segment Length   | N/A                  |
|            |   | Number of parallel runs  | 0                    |
|            |   | Length   | 1350 feet<br>per run |

# Primary Existing Transmission Line

| Primary     | New Transmission Line          |   |  |  |
|-------------|--------------------------------|---|--|--|
| Transmissio | on Line<br>Section             | Question                                  | Response                                       |  |
|             | New Transmission Line<br>Costs | Use                                       | Primary (Main)                                 |  |
|             |                                | Description of Use                        | N/A  |  |
|             |                                | Change Type                               | Purchase New                                   |  |
|             |                                | Is this a request for upgraded equipment? | No   |  |
|             |                                | Туре                                      | 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                                    | 1350 feet per<br>run                           |  |
|             |                                | Justification for New Transmission Line   | ERI<br>recommended<br>for channel<br>frequency |  |

Other Transmission Line Expenses Not Listed Transmission

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

| marv | Existing | Tower |
|------|----------|-------|
|------|----------|-------|

| Primary | Existing Tower  |   |                      |  |  |
|---------|---|---|----------------------|--|--|
| Tower   | Section   | Question  | Response             |  |  |
|         | Existing Tower<br>Description   | Type of change  | Modify<br>Existing   |  |  |
|         |   | Tower Use   | Primary<br>(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<br>broadcaster(s)        | Yes                  |  |  |
|         |   | Others Types of Users                                   | No                   |  |  |
|         |   | Is tower documented for structural analysis?            | Yes                  |  |  |
|         |   | Is tower compliant with Rev G?                          | No                   |  |  |
|         | Existing Tower Structure<br>Registration<br>Coordinates (NAD83 (<br>North American Datum of<br>1983)) | Do you have a tower registration number?                | Yes                  |  |  |
|         |   | ASR Number  | 1046272              |  |  |
|         |   | Latitude (NAD83)  | 26° 07'<br>15.0" N-  |  |  |
|         |   | Longitude (NAD83)                                       | 097° 49'<br>19.0" W- |  |  |
|         |   | Overall Structure Height                                | 1244.08 feet         |  |  |
|         |   | Support Structure Height                                | 1200.12 feet         |  |  |
|         |   | Ground Elevation Above Mean Sea Level<br>(AMSL)         | 51.84 feet           |  |  |
|         |   |   |                      |  |  |

|  | Structure Type   | TOWER -<br>Free<br>Standing or<br>Guyed<br>Structure |
|--|------------------|--|
|  | Tower Owner      | MBTV<br>Texas<br>Valley LLC                          |
|  | Date Constructed | 10/01/1985   |

#### 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 |  |
|-------------|-----------|---------|--|
| 6662        | KGBT-FM   | FM      |  |

## Primary Tower Modification Costs

Tower

Tower

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

## Primary Tower Rigging Costs

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

### **Other Tower Expenses Not Listed**

#### Primary Tower Name Description Structural Anaysis I Initial SA beginning of project **Reinforcing Analysis II** Second Reinforcement of Load Case II **GEO Tech Report-Tower inspection** Field GEO foundation testing **Reinforcing Analysis I** First Reinforcement of Load Case I

| Outside      | Section  | Question   | Response  |
|--------------|--|--|---|
| Professional | Services Costs<br>Outside Project<br>Management Services | Do you require outside project management services?                          | Yes   |
|              |  | Number of Hours  | 40  |
|              |  | Explanation  | ERI TURNKEY<br>TOWER<br>STRUCTURAL<br>ANALYSIS<br>AND TOWER<br>MOD<br>PROJECT<br>MANAGEMENT<br>AND LEGAL<br>FILING<br>SUPPORT<br>SERVICES |
|              | Outside RF consulting<br>Engineering Services            | Perform engineering study for new channel assignment and antenna development | No  |
|              |  | Prepare engineering section of Form FCC<br>Construction Permit Application   | Yes   |
|              |  | For Auxiliary Facility   | No  |
|              |  | For Main Facility  | Yes   |
|              |  | Prepare engineering section of Form FCC<br>License to Cover Application      | Yes   |
|              |  | For Auxiliary Facility   | No  |
|              |  | For Main Facility  | Yes   |
|              |  | Prepare request for Special Temporary<br>Authority                           | No  |
|              |  | Quantity   | N/A   |
|              |  | Do you have Distributed Transmission<br>System engineering services?         | N/A   |
|              |  | Critical Facility  | N/A   |
|              |  | Terrain-Shielded Facility  | N/A   |
|              | Attorney and Other<br>Outside Consulting<br>Services     | Prepare and file Form FCC Construction<br>Permit Application                 | Yes   |

|                                  | For Auxiliary Facility   | No  |
|----------------------------------|--|-----|
|                                  |  |     |
|                                  | For Main Facility  | Yes |
|                                  | Prepare and file Form FCC License to<br>Cover Application                                  | Yes |
|                                  | For Auxiliary Facility   | No  |
|                                  | For Main Facility  | Yes |
|                                  | Prepare request for Special Temporary<br>Authority   | No  |
|                                  | Quantity   | N/A |
|                                  | NEPA Section 106 environmental review  | No  |
|                                  | Environmental Assessment   | No  |
|                                  | ASR Modification   | No  |
|                                  | FAA Consultation (including preparation of FAA Form 7460)                                  | No  |
|                                  | Negotiation of Lease and other Matter for Shared Locations                                 | No  |
|                                  | Prepare or Review FCC Form 399 for Reimbursement   | No  |
|                                  | Address transition timing and coordination issues w/ other stations and wireless providers | No  |
| RF Field Engineering<br>Services | Comprehensive coverage verification via field study  | Yes |
|                                  | RF exposure measurements   | No  |
|                                  | Additional Field Engineering Service   | No  |
|                                  | Number of Days   | N/A |
|                                  | Justification  | N/A |

Outside Other Professional Services Expenses Not Listed

Professional Services Costs

Description

| Comark Facility Planning | Manufacturer visit to prepare preliminary |
|--------------------------|---|
|                          | drawings for transmitter installation     |

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

# Other Expenses Not Listed

**Expenses** Information not provided.

#### Transmitters

#### Cost Information

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

| Description   | Predetermined<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification | Actual<br>Cost | Actual Cost<br>Justification |
|---|--------------------------------|-------------------|------------------------------------|----------------|------------------------------|
| Primary<br>Transmitter<br>HPTV-PRLX-<br>U13                           | \$1,019,335.00                 | \$609,785.00      |                                    | \$0.00         |                              |
| RF<br>Plumbing<br>Filters   | \$44,185.00                    | \$44,185.00       | N/A                                | N/A            | N/A                          |
| 3" Rigid<br>Conduit and<br>Wiring<br>(Cost per<br>foot)               | \$2,600.00                     | \$2,500.00        | N/A                                | N/A            | N/A                          |
| UHF -<br>Liquid<br>Cooled<br>Solid State<br>Transmitter<br>21 - 31 kW | \$947,000.00                   | \$551,100.00      | N/A                                | \$0.00         | N/A                          |
| Transformer<br>3 phase<br>/480v - 150<br>KVA                          | \$25,550.00                    | \$12,000.00       | N/A                                | N/A            | N/A                          |
| Sub-total   | \$1,019,335.00                 | \$609,785.00      | N/A                                | \$0.00         | N/A                          |
| Total for all systems   | \$2,387,492.00                 | \$1,607,470.75    | N/A                                | \$34,452.00    | N/A                          |

#### Components

#### Antennas

#### Cost Information

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

|   | Predetermined  | Estimated      | Estimated Cost   | Actual      | Actual Cost  |
|---|----------------|----------------|--|-------------|--|
| Description   | Cost Estimate  | Cost           | Justification  | Cost        | Justification  |
| Primary<br>Antenna<br>ATW15HS4-<br>ETPX-16H   | \$266,030.00   | \$127,030.00   |  | \$0.00      |  |
| 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    | \$0.00         | Elbow complex<br>included in<br>transmission line<br>quotation   | N/A         | N/A  |
| Sweep test<br>of existing<br>antenna  | \$6,730.00     | \$6,250.00     | N/A  | N/A         | N/A  |
| UHF - High<br>Power Top<br>Mount<br>(200-1000<br>kW), One<br>station<br>antenna,<br>horizontally<br>polarized | \$247,000.00   | \$120,780.00   | Attached ERI<br>proposal20180415-<br>689 REV B<br>Antenna IS NOT<br>top mount.<br>Matches existing<br>antenna<br>centerline. Amount<br>includes<br>transmission line<br>cost and insallation | \$0.00      | Attached<br>ERI proposal<br>i20180415-<br>689 REV B<br>ncludes<br>antenna and<br>transmission.<br>Vendor did<br>not<br>separately<br>quote<br>antenna and<br>feedline<br>materials |
| Sub-total   | \$266,030.00   | \$127,030.00   | N/A  | \$0.00      | N/A  |
| Total for<br>all<br>systems   | \$2,387,492.00 | \$1,607,470.75 | N/A  | \$34,452.00 | N/A  |

#### Components

#### **Transmission Line**

#### Cost Information

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                   | \$272,700.00                   | \$186,394.75      |  | \$0.00         |                              |
| Rigid<br>Transmission<br>Line -<br>copper, 6 1/8" | \$272,700.00                   | \$186,394.75      | ERI has<br>bundled<br>transmission<br>line<br>installation<br>and tower<br>structural<br>work costs<br>into one<br>proposal.<br>Copy<br>attached ref:<br>ERI<br>20181022-<br>635 | N/A            | N/A                          |
| Sub-total   | \$272,700.00                   | \$186,394.75      | N/A  | \$0.00         | N/A                          |
| Total for all systems                             | \$2,387,492.00                 | \$1,607,470.75    | N/A  | \$34,452.00    | N/A                          |

### Components

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

#### Cost Information

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  | \$695,752.00                   | \$556,316.00      |                                    | \$34,452.00    |                              |
| Structural<br>Anaysis I   | \$6,650.00                     | \$6,650.00        | N/A                                | \$6,650.00     | N/A                          |
| Reinforcing<br>Analysis I   | \$7,102.00                     | \$7,102.00        | N/A                                | \$7,102.00     | N/A                          |
| GEO Tech<br>Report-Tower<br>inspection  | \$20,700.00                    | \$20,700.00       | N/A                                | \$20,700.00    | N/A                          |
| Reinforcing<br>Analysis II  | \$3,500.00                     | \$3,500.00        | N/A                                | N/A            | N/A                          |
| Major tower<br>reinforcement<br>/modifications  | \$421,000.00                   | \$313,364.00      | N/A                                | N/A            | N/A                          |
| Tower<br>mapping for<br>an<br>undocumented<br>/poorly<br>documented<br>tower and<br>preparation of<br>documentation<br>necessary for<br>tower load<br>study | \$26,300.00                    | \$0.00            | N/A                                | N/A            | N/A                          |
| Tall Tower<br>(greater than<br>500')  | \$210,500.00                   | \$205,000.00      | N/A                                | N/A            | N/A                          |
| Sub-total   | \$695,752.00                   | \$556,316.00      | N/A                                | \$34,452.00    | N/A                          |
| Total for all systems   | \$2,387,492.00                 | \$1,607,470.75    | N/A                                | \$34,452.00    | N/A                          |

### Components

| Actual Information<br>Description  | File Name                         |   |
|--|-----------------------------------|---|
| Structural Anaysis I   | Component Description:            | Total Paid Invoice<br>for Structural<br>Analysis 1. 50%<br>pd Jun 2017<br>Balance pd<br>Jun2018 ach |
|  | Amount:                           | \$6,650.00  |
| Reinforcing Analysis I   | Component Description:            | TOWER AND<br>BOLT<br>ANALYSES. PAID<br>IN FULL WITH 2<br>ACH PAYMENTS                               |
|  | Amount:                           | \$7,102.00  |
| GEO Tech Report-Tower inspection   | Component Description:<br>Amount: | iNVOICE WITH<br>50% CC<br>PAYMENT AND<br>50% ACH<br>BALANCE<br>\$20,700.00                          |
| Reinforcing Analysis II  | Information not provided.         |   |
| Major tower reinforcement<br>/modifications  | Information not provided.         |   |
| Tower mapping for an<br>undocumented/poorly<br>documented tower and<br>preparation of<br>documentation necessary<br>for tower load study | Information not provided.         |   |
| Tall Tower (greater than 500')   | Information not provided.         |   |

#### **Outside Professional Services**

#### Cost Information

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 |
|---|--------------------------------|-------------------|------------------------------------|----------------|------------------------------|
| Outside<br>Professional<br>Services   | \$118,180.00                   | \$113,050.00      |                                    | \$0.00         |                              |
| Comark Facility<br>Planning   | \$15,300.00                    | \$15,300.00       | N/A                                | N/A            | N/A                          |
| Comprehensive<br>coverage<br>verification via<br>field study, if<br>needed                                | \$84,200.00                    | \$80,000.00       | N/A                                | N/A            | N/A                          |
| Project<br>management of<br>the transition  | \$6,320.00                     | \$6,000.00        | N/A                                | N/A            | N/A                          |
| Prepare<br>engineering<br>section of FCC<br>Form 2100<br>(main),<br>Construction<br>Permit<br>Application | \$3,155.00                     | \$3,000.00        | 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                          |
| Attorney Fees -<br>Prepare and<br>File FCC Form<br>2100 (main),<br>Construction<br>Permit<br>Application  | \$5,260.00                     | \$5,000.00        | N/A                                | N/A            | N/A                          |

| Attorney Fees -<br>Prepare and<br>File FCC Form<br>2100 (main),<br>License to<br>Cover<br>Application | \$2,365.00     | \$2,250.00     | N/A | N/A         | N/A |
|---|----------------|----------------|-----|-------------|-----|
| Sub-total   | \$118,180.00   | \$113,050.00   | N/A | \$0.00      | N/A |
| Total for all systems   | \$2,387,492.00 | \$1,607,470.75 | N/A | \$34,452.00 | N/A |

### Components

#### **Other Expenses**

#### Cost Information

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

| Description  | Predetermined<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification | Actual<br>Cost | Actual Cost<br>Justification |
|--|--------------------------------|-------------------|------------------------------------|----------------|------------------------------|
| Other<br>Expenses  | \$15,495.00                    | \$14,895.00       |                                    | \$0.00         |                              |
| DTV Medical<br>Facility<br>Notification                                | \$11,550.00                    | \$11,000.00       | N/A                                | N/A            | N/A                          |
| FCC Filing<br>Fees - Form<br>2100 minor<br>change CP<br>application    | \$1,110.00                     | \$1,070.00        | N/A                                | N/A            | N/A                          |
| FCC Filing<br>Fees - Form<br>2100 license<br>to cover<br>application   | \$335.00                       | \$325.00          | N/A                                | N/A            | N/A                          |
| Develop and<br>air<br>announcement<br>of upcoming<br>channel<br>change | \$500.00                       | \$500.00          | N/A                                | N/A            | N/A                          |
| MVPD<br>Notification of<br>Channel<br>Change                           | \$2,000.00                     | \$2,000.00        | N/A                                | N/A            | N/A                          |
| Sub-total  | \$15,495.00                    | \$14,895.00       | N/A                                | \$0.00         | N/A                          |
| Total for all systems  | \$2,387,492.00                 | \$1,607,470.75    | N/A                                | \$34,452.00    | N/A                          |

#### Components

| Cost<br>Information | Grand Total           |                                |                |             |  |
|---------------------|-----------------------|--------------------------------|----------------|-------------|--|
|                     |                       | Predetermined<br>Cost Estimate |                |             |  |
|                     | Total for all systems | \$2,387,492.00                 | \$1,607,470.75 | \$34,452.00 |  |

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

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

- 4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 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<br>entity certifies that it<br>is in full compliance<br>with all statutes,<br>rules, regulations<br>and governmental<br>requirements for<br>which compliance is<br>a pre-requisite for<br>obtaining the<br>payments herein<br>requested. |   |
|---|---|
| I declare, under penalty of perjury, that I am<br>an authorized representative of the above-<br>named applicant for the Authorization(s)<br>specified above.  | Steven<br>Avery<br>Smith<br>CHIEF<br>ENGINEER<br>07/12/2019 |

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

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

|           | 8. The above-named<br>entity acknowledges<br>that overpayments or<br>payments in error<br>must be promptly<br>refunded to the<br>Commission.   |   |
|-----------|--|---|
|           | 9. The above-named<br>entity certifies that it<br>is in full compliance<br>with all statutes,<br>rules, regulations<br>and governmental<br>requirements for<br>which compliance is<br>a prerequisite for<br>obtaining the<br>payments herein<br>requested. |   |
| an<br>nar | eclare, under penalty of perjury, that I am<br>authorized representative of the above-<br>ned applicant for the Authorization(s)<br>ecified above.   | Steven<br>Avery<br>Smith<br>Chief<br>Engineer<br>07/12/2019 |

#### Attachments

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