Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility ID: **53114** | Service: **DTV** | Call Sign: **WDIV-TV** | Channel: **32 (UHF)**

File Number: **0000027867**

FRN: **0002161123** | Date Submitted: **09/18/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|---|---|---|---|---|
| **GRAHAM MEDIA GROUP, MICHIGAN, INC.**<br>Doing Business As: GRAHAM MEDIA GROUP, MICHIGAN, INC. | Marcus Williams<br>550 WEST LAFAYETTE BOULEVARD<br>DETROIT, MI 48226<br>United States | +1 (313) 222-0581 | MARCUS@WDIV.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 |
|---|---|---|---|
| **William T Godfrey , Jr. .**<br>*Consulting Engineers Kessler and Gehman Associates, Inc.* | William T. Godfrey, Jr.<br>Kessler and Gehman Associates, Inc.<br>507 NW 60 Street, Suite D<br>Gainesville, FL 32607<br>United States | +1 (352) 332-3157 | jeff@kesslerandgehman.com |

## Broadcaster Information and Transition Plan

| Question | Response |
| --- | --- |
| Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information. | No |
| Briefly describe transition plan | Install new main dual transmitter and main antenna while using licensed AUX facility during tower work and throughout the assigned phase. Map and analyze tower; design and modify tower. Install new AUX antenna and AUX transmitter post-transition. |

## Transmitters

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

## Auxiliary Transmitter

### Existing Transmitter Information

| Section | Question | Response |
|---|---|---|
| **Existing Transmitter Description** | Type of change | Purchase New |
| | Use | Auxiliary (Backup) |
| | Description of Use | 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 |
| **Existing Transmitter Manufacturer and Type** | Manufacturer | |
| | Model | Diamond |
| | Year | 2005 |
| | Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power Capacity | 7.5 kW |

## Auxiliary Transmitter

### New Transmitter Costs

| Section | Question | Response |
|---|---|---|
| **New Transmitter** | Use | Auxiliary (Backup) |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Manufacturer | |
| | Model | UAXTE-12R44 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power capacity | 7.2 kW |
| | Justification for New Transmitter | The manufacturer of the existing transmitter advises that the transmitter cannot be re-tuned to the assigned channel. See attachment. |

## Auxiliary Transmitter

### Other Transmitter Costs

| Section | Question | Response |
|---|---|---|
| **Electrical Service** | Service Entrance (3 phases 800A 208V) | No |
| | Switchgear (industrial 800 amp) | No |
| | Transformer (480V) | No |
| | Power | N/A |
| | Rigid Conduit and Wiring | No |

| | | |
|---|---|---|
| | Size | N/A |
| | Length | N/A |
| | Other Electrical Service | Yes |
| | Description | Disconnect existing transmitter for removal and connect new transmitter after installation. |
| **HVAC Service** | Does the replacement transmitter require HVAC Service? | No |
| | Type | N/A |
| | Size | N/A |
| | Other Size | N/A |
| **Transmitter Building Addition/Modification or Leasehold Improvement** | Does the Transmitter Building require an addition, modification, other leashold improvement? | No |
| | Size | N/A |
| **Channel 14 Costs** | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

## Auxiliary Transmitter

### Other Transmitter Cost Not Listed

Information not provided.

## Primary Transmitter

### Existing Transmitter Information

| Section | Question | Response |
|---|---|---|
| **Existing Transmitter Description** | Type of change | Purchase New |
| | Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is this transmitter currently shared with another station? | No |
| | Is this transmitter currently in operating condition? | Yes |
| **Existing Transmitter Manufacturer and Type** | Manufacturer | |
| | Model | SigmaCD |
| | Year | 2008 |
| | Type | Inductive Output Tube |
| | IOT Power Type | Three |
| | Power Capacity | 80 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? | Yes |
| | Manufacturer | |
| | Model | ULXTED-100 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 63.4 kW |
| | Justification for New Transmitter | The existing 80 kW IOT transmitter configuration is equivalent to a magic tee dual transmission system and not the single ULXTE. Therefore, WDIV is budgeting for the ULXTED model. The next step up is a ULXTED-100 which WDIV is budgeting for (see attached) |

## Primary Transmitter

### Other Transmitter Costs

| Section | Question | Response |
|---|---|---|
| **Electrical Service** | Service Entrance (3 phases 800A 208V) | Yes |
| | Switchgear (industrial 800 amp) | Yes |
| | Transformer (480V) | Yes |
| | Power | 300 kVA |
| | Rigid Conduit and Wiring | Yes |
| | Size | 3 inches |
| | Length | 100.0 feet |
| | Other Electrical Service | No |
| | Description | N/A |
| **HVAC Service** | Does the replacement transmitter require HVAC Service? | No |
| | Type | N/A |
| | Size | N/A |
| | Other Size | N/A |
| **Transmitter Building Addition/Modification or Leasehold Improvement** | Does the Transmitter Building require an addition, modification, other leashold improvement? | Yes |
| | Size | 0.0 square feet |
| **Channel 14 Costs** | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

## Primary Transmitter

### Other Transmitter Cost Not Listed

| Name | Description |
|---|---|
| **Additional Interior RF System** | Interior RF System Existing Transmitter to Interim Transmission line |

| | |
|---|---|
| **Standby Exciter and Switch** | Standby Exciter with Automatic Change Over Switch |
| **Installation** | Installation |

## Antennas

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

## Auxiliary Antenna

### Existing Antenna Information

| Section | Question | Response |
|---|---|---|
| **Existing Antenna Description** | Type of change | Purchase New |
| | Antenna Use | Auxiliary (Backup) |
| | Description of Use | Auxiliary |
| | 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 Manufacturer and Type** | Class | Full Power |
| | Mounting | Side Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | Type | Slotted Coaxial |
| | Number of Stations Supported | N/A |
| | Number of Panels | 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) | 973.0 kW |
| | | |

| | |
|---|---|
| Manufacturer | |
| Model | TFU-18DSC |
| Year | 2005 |

## Auxiliary Antenna

### New Antenna Costs

| Section | Question | Response |
|---|---|---|
| **New Antenna Description** | Use | Auxiliary (Backup) |
| | Description of Use | Auxiliary |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | No |
| | Is antenna directional? | Yes |
| | Will antenna be located on or in close proximity to an antenna farm? | No |
| **New Antenna Manufacturer and Types** | Class | Full Power |
| | Mounting | Side Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | Type | Slotted Coaxial |
| | Number of Stations Supported | N/A |
| | Number of Panels/Bays | N/A |
| | Lower Limit | N/A |
| | Upper Limit | N/A |
| | Design power capacity in use | N/A |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 973.0 kW |
| | Manufacturer | |
| | Model | TFU-18DSC-R CT3 |

| | |
|---|---|
| Year | 2018 |
| Justification for New Antenna | The existing and licensed AUX antenna is a single channel slotted coaxial which cannot accommodate the assigned channel. |

## Auxiliary Antenna

### Other Antenna Costs

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

| | | |
|---|---|---|
| **Sweep Test** | Do you require the sweep testing of transmission line and antenna? | Yes |

## Auxiliary Antenna

### Other Antenna Cost Not Listed

Information not provided.

## Primary Antenna

### Existing Antenna Information

| Section | Question | Response |
|---|---|---|
| **Existing Antenna Description** | Type of change | Purchase New |
| | Antenna Use | Primary (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 Manufacturer and Type** | 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 | 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) | 872.0 kW |
| | | |

| | |
|---|---|
| Manufacturer | |
| Model | TFU-27ETT VP R4C130 |
| Year | 2008 |

## 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? | Yes |
| | 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) | 720.0 kW |
| | Manufacturer | |
| | Model | TFU-23ETT /VP-R 4C130 |

| | |
|---|---|
| Year | 2018 |
| Justification for New Antenna | The existing primary antenna is a single channel slotted coaxial which cannot accommodate the assigned channel. |

**Primary Antenna**

### Other Antenna Costs

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

| | | |
|---|---|---|
| **Sweep Test** | Do you require the sweep testing of transmission line and antenna? | Yes |

**Primary Antenna**

### Other Antenna Cost Not Listed

Information not provided.

## Transmission Line

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

## Primary Transmission Line

### Existing Transmission Line

| Section | Question | Response |
|---|---|---|
| **Existing Transmission Line Description** | Type of change | Utilize Existing |
| | Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is the existing transmission line shared with another station or stations? | No |
| | Is Transmission Line in operating condition? | Yes |
| **Existing Transmission Line Manufacturer and Type** | Manufacturer | Dielectric |
| | Type | Rigid |
| | Diameter | 8 3/16 inches |
| | Other Diameter | N/A |
| | Segment Length | Broadband |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 1232 feet per run |

## Primary Transmission Line

### Other Transmission Line Expenses Not Listed

| Name | Description |
|---|---|
| **Sweep Tests** | Sweep tests to confirm line is acceptable on assigned channel. |

## Auxiliary Transmission Line

### Existing Transmission Line

| Section | Question | Response |
|---|---|---|
| **Existing Transmission Line Description** | Type of change | Utilize Existing |
| | Use | Auxiliary (Backup) |
| | Description of Use | 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 |
| **Existing Transmission Line Manufacturer and Type** | Manufacturer | Dielectric |
| | 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 | 1110 feet per run |

## Auxiliary Transmission Line

### Other Transmission Line Expenses Not Listed

| Name | Description |
| --- | --- |
| **Sweep Tests** | Sweep tests to verify operation on assigned channel |

## 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 | 1000830 |
| **Coordinates (NAD83 ( North American Datum of 1983))** | Latitude (NAD83) | 42° 28' 58.0" N- |
| | Longitude (NAD83) | 083° 12' 19.0" W- |
| | Overall Structure Height | 1062.98 feet |
| | Support Structure Height | 980.96 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 685.69 feet |

| | |
|---|---|
| Structure Type | TOWER - Free Standing or Guyed Structure |
| Tower Owner | Graham Media Group, Michigan, Inc. |
| Date Constructed | 01/01/1988 |

**FM, AM or TV radio broadcasters. Facility ID's, Call Signs and Services of other broadcast stations with whom the tower is shared**

| Facility ID | Call Sign | Service |
|---|---|---|
| 9618 | WXYT-FM | FM |

**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: | Minor Reinforcements needed |

**Primary Tower**

**Tower Rigging Costs**

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

| | Other Tower Expenses Not Listed |
| --- | --- |
| **Primary Tower** | Information not provided. |

## Outside Professional Services Costs

| Section | Question | Response |
|---|---|---|
| **Outside Project Management Services** | Do you require outside project management services? | Yes |
| | Number of Hours | 600 |
| | Explanation | It will be necessary to schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399. Station does not have available personnel or personnel trained in project management for such complex projects. |
| **Outside RF consulting Engineering Services** | Perform engineering study for new channel assignment and antenna development | Yes |
| | Prepare engineering section of Form FCC Construction Permit Application | Yes |
| | For Auxiliary Facility | Yes |
| | For Main Facility | Yes |
| | Prepare engineering section of Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | Yes |
| | For Main Facility | Yes |
| | Prepare request for Special Temporary Authority | No |

| | | |
|---|---|---|
| | Quantity | N/A |
| | Do you have Distributed Transmission System engineering services? | N/A |
| | Critical Facility | N/A |
| | Terrain-Shielded Facility | N/A |
| **Attorney and Other Outside Consulting Services** | 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 | 1 |
| | 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 | Yes |
| **RF Field Engineering Services** | Comprehensive coverage verification via field study | Yes |
| | RF exposure measurements | Yes |
| | Additional Field Engineering Service | Yes |

| | |
|---|---|
| Number of Days | 30 |
| Justification | It will be necessary to survey the site, plan the equipment, develop specifications for purchasing, and oversee multiple vendor RF projects. Station does not have available personnel or personnel trained in such services. |

## Outside Professional Services Costs

### Other Professional Services Expenses Not Listed

| Name | Description |
|---|---|
| **Other Legal Services** | Other Legal Services related to the DTV Repack |
| **Other Engineering Services** | Fewer Project Management "PM" tasks are required & Other Engineering Services "OES" are required, therefore the PM total has been reduced to 600 hrs ($90,000 at $150/hr), & a new OES category has been created & funded with the money removed from PM. |

## Other Expenses

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

Information not provided.

## Cost Information

### Transmitters

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|---|---|---|---|---|
| **Primary Transmitter ULXTED-100** | **$2,254,511.70** | **$2,249,811.70** | | **$1,354,195.66** | |
| Installation | ***$1,758.00*** | $1,758.00 | Fire extinguisher system work | $1,758.00 | N/A |
| Standby Exciter and Switch | ***$25,000.00*** | $25,000.00 | N/A | N/A | N/A |
| Additional Interior RF System | ***$75,000.00*** | $75,000.00 | N/A | N/A | N/A |
| Other -- Building Addition Size: 0.0 | ***$24,051.00*** | $24,051.00 | See uploaded PDF titled "WDIV Transmitter Building Preparation for Repack Cost v2.pdf" No building size increase is needed; only building modifications. | N/A | N/A |
| UHF - Liquid Cooled Solid State Transmitter 63.4 kW | ***$2,034,102.70*** | $2,034,102.70 | See attached GatesAir quote for ULXTED-100 | $1,350,593.66 | N/A |

| | | | | | |
|---|---|---|---|---|---|
| Service entrance 3 phase/800 amp/208 volt | $14,400.00 | $13,700.00 | N/A | $1,844.00 | 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 |
| 3" Rigid Conduit and Wiring (Cost per foot) | $5,200.00 | $4,900.00 | N/A | N/A | N/A |
| **Auxiliary Transmitter UAXTE-12R44** | **$247,516.02** | **$247,516.02** | | **$161,677.34** | |
| UHF - Air Cooled Solid State Transmitter 7.2 kW | ***$242,516.02*** | $242,516.02 | See attached quote | $161,677.34 | N/A |
| Other Electrical Service: Disconnect existing transmitter for removal and connect new transmitter after installation. | ***$5,000.00*** | $5,000.00 | N/A | N/A | N/A |
| **Sub-total** | $2,502,027.72 | $2,497,327.72 | N/A | $1,515,873.00 | N/A |
| **Total for all systems** | $3,996,262.72 | $4,168,927.72 | N/A | $1,924,442.29 | N/A |

## Components

| Actual Information Description | File Name |
|---|---|
| Installation | **Component Description:** MFE 112032 v190805jgv2<br>**Amount:** $270.00<br><br>**Component Description:** MFE 111915 v190805jgv2<br>**Amount:** $1,488.00 |
| Standby Exciter and Switch | Information not provided. |
| Additional Interior RF System | Information not provided. |
| Other -- Building Addition Size: 0.0 | Information not provided. |
| UHF - Liquid Cooled Solid State Transmitter 63.4 kW | **Component Description:** Gates JW30004541-2 v190523jgv2<br>**Amount:** $678,034.23<br><br>**Component Description:** Gates inv #JW30004541-1 1 third dp Prim TX UL2018116jgv1<br>**Amount:** $672,559.43 |
| Service entrance 3 phase /800 amp/208 volt | **Component Description:** Talbot 3894-01 v190705jgv1<br>**Amount:** $1,844.00 |
| Switchgear - industrial 800 amp | Information not provided. |
| Transformer 3 phase/480v - 300 KVA | Information not provided. |

| | | |
|---|---|---|
| 3" Rigid Conduit and Wiring (Cost per foot) | Information not provided. | |
| UHF - Air Cooled Solid State Transmitter 7.2 kW | **Component Description:**<br><br><br>**Amount:** | Gates JW30004542-2 v190529jgv1<br>$80,838.67 |
| | **Component Description:**<br><br><br>**Amount:** | Gates inv #JW30004542-1 1 third dp Aux TX UL2018119jgv1<br>$80,838.67 |
| Other Electrical Service: Disconnect existing transmitter for removal and connect new transmitter after installation. | 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 |
|---|---|---|---|---|---|
| **Primary Antenna TFU-23ETT /VP-R 4C130** | **$308,530.00** | **$297,383.00** | | **$118,248.84** | |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed) | $12,300.00 | $15,983.00 | The $3,600.00 "Elbow 6-75 DIGIT 90 DEG 9 X 18" line item is being applied to this component, in addition to the $12,383.00 Elbow Complex line item. | $7,192.35 | N/A |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | $289,500.00 | $275,000.00 | N/A | $108,176.49 | N/A |
| Sweep test of existing antenna | $6,730.00 | $6,400.00 | N/A | $2,880.00 | N/A |

| | | | | | |
|---|---|---|---|---|---|
| **Auxiliary Antenna TFU-18DSC-R CT3** | **$282,440.00** | **$285,167.00** | | **$85,545.00** | |
| UHF - High Power, Side Mount, basic slot antenna, 973 kW input, directional,, horizontally polarized | ***$235,000.00*** | $235,000.00 | N/A | $67,235.85 | N/A |
| Sweep test of existing antenna | $6,730.00 | $6,400.00 | N/A | $2,880.00 | N/A |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed) | $12,300.00 | $16,767.00 | The $2,420.00 Trans Test and $1,964.00 Fixed Flange line items are being applied to this component, in addition to the $12,383.00 Elbow Complex line item. | $7,545.15 | N/A |
| Side mount brackets for high power antennas (if not included in antenna base cost) | $23,150.00 | $22,000.00 | N/A | $7,884.00 | N/A |

| | | | | | |
|---|---|---|---|---|---|
| Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost) | $5,260.00 | $5,000.00 | N/A | N/A | N/A |
| **Sub-total** | $590,970.00 | $582,550.00 | N/A | $203,793.84 | N/A |
| **Total for all systems** | $3,996,262.72 | $4,168,927.72 | N/A | $1,924,442.29 | N/A |

## Components

| **Actual Information Description** | **File Name** | |
|---|---|---|
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed) | **Component Description:** | Die inv #MAN00799 Primary elbow complex pmt 1 UL20190313jgv1 |
| | **Amount:** | $5,572.35 |
| | **Component Description:** | Die inv #MAN00799 Primary elbow pmt 1 UL20190313jgv1 |
| | **Amount:** | $1,620.00 |

| | | |
|---|---|---|
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | **Component Description:** | Die inv #MAN00799 Primary fixed flange pmt 1 UL20190313jgv1 |
| | **Amount:** | $1,255.50 |
| | **Component Description:** | Die inv #MAN00799 Primary ant pmt 1 UL20190313jgv1 |
| | **Amount:** | $102,095.55 |
| | **Component Description:** | Die inv #MAN00799 Primary reducer pmt 1 UL20190313jgv1 |
| | **Amount:** | $1,160.64 |
| | **Component Description:** | Die inv #MAN00799 Primary trans test pmt 1 UL20190313jgv1 |
| | **Amount:** | $2,469.60 |
| | **Component Description:** | Die inv #MAN00799 Primary fixed flange pmt 1 UL20190313jgv1 |
| | **Amount:** | $1,195.20 |
| Sweep test of existing antenna | **Component Description:** | Die inv #MAN00799 Primary sweep pmt 1 UL20190313jgv1 |
| | **Amount:** | $2,880.00 |

| | | |
|---|---|---|
| UHF - High Power, Side Mount, basic slot antenna, 973 kW input, directional,, horizontally polarized | **Component Description:**<br><br>**Amount:** | Die inv #MAN00798 Aux ant pmt 1 UL20190314jgv1<br>$67,235.85 |
| Sweep test of existing antenna | **Component Description:**<br><br>**Amount:** | Die inv #MAN00798 Aux ant sweep pmt 1 UL20190314jgv1<br>$2,880.00 |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed) | **Component Description:**<br><br>**Amount:** | Die inv #MAN00798 Aux ant trans test pmt 1 UL20190314jgv1<br>$1,089.00 |
| | **Component Description:**<br><br>**Amount:** | Die inv #MAN00798 Aux ant fixed flange pmt 1 UL20190314jgv1<br>$883.80 |
| | **Component Description:**<br><br>**Amount:** | Die inv #MAN00798 Aux ant elbow complex pmt 1 UL20190314jgv1<br>$5,572.35 |
| Side mount brackets for high power antennas (if not included in antenna base cost) | **Component Description:**<br><br>**Amount:** | Die inv #MAN00798 Aux ant side mt brackets pmt 1 UL20190314jgv1<br>$7,884.00 |

| | |
|---|---|
| Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost) | Information not provided. |

## Cost Information

### Transmission Line

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|---|---|---|---|---|
| **Primary Transmission Line** | **$6,400.00** | **$6,400.00** | | **$3,660.35** | |
| Sweep Tests | ***$6,400.00*** | $6,400.00 | N/A | $3,660.35 | N/A |
| **Auxiliary Transmission Line** | **$6,400.00** | **$6,400.00** | | **$0.00** | |
| Sweep Tests | ***$6,400.00*** | $6,400.00 | N/A | N/A | N/A |
| **Sub-total** | $12,800.00 | $12,800.00 | N/A | $3,660.35 | N/A |
| **Total for all systems** | $3,996,262.72 | $4,168,927.72 | N/A | $1,924,442.29 | N/A |

### Components

| Actual Information Description | File Name |
|---|---|
| Sweep Tests | **Component Description:** Inv WDIV161202 WDIV Line sweep UL20180423 v2<br>**Amount:** $3,660.35 |
| Sweep Tests | Information not provided. |

## Cost Information

### Tower Equipment and Rigging Costs

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|---|---|---|---|---|
| **Primary Tower TOWER** | **$381,100.00** | **$562,000.00** | | **$140,210.00** | |
| Tall Tower (greater than 500') | $210,500.00 | $400,000.00 | Rigging must be done twice since WDIV has a licensed AUX facility. First rigging for post-auction AUX build-out while main operates as interim. Second rigging for post-auction Main build-out while AUX operates on post-auction after assigned phase. | $134,210.00 | N/A |
| Structural engineering tower load study for well documented tower | $12,600.00 | $12,000.00 | N/A | $6,000.00 | N/A |

| | | | | | |
|---|---|---|---|---|---|
| Minor tower reinforcement /modifications | $158,000.00 | $150,000.00 | N/A | N/A | N/A |
| **Sub-total** | $381,100.00 | $562,000.00 | N/A | $140,210.00 | N/A |
| **Total for all systems** | $3,996,262.72 | $4,168,927.72 | N/A | $1,924,442.29 | N/A |

## Components

| Actual Information Description | File Name | |
|---|---|---|
| Tall Tower (greater than 500') | **Component Description:**<br>**Amount:** | CTC inv #2093 Aux and Prim ant install pmt 1 UL20190308jgv1<br>$134,210.00 |
| Structural engineering tower load study for well documented tower | **Component Description:**<br>**Amount:**<br>**Component Description:**<br>**Amount:** | Inv: WDIV Structural Analysis UL20180329 1 of 2<br>$5,000.00<br>Inv: WDIV Structural Analysis UL20180329 2 of 2<br>$1,000.00 |
| Minor tower reinforcement /modifications | 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 |
|---|---|---|---|---|---|
| **Outside Professional Services** | **$370,815.00** | **$376,250.00** | | **$60,905.10** | |
| Other Engineering Services | ***$60,000.00*** | $60,000.00 | Fewer Project Management "PM" tasks are required & Other Engineering Services "OES" are required, therefore the PM total has been reduced to 600 hrs ($90,000 at $150/hr), & a new OES category has been created & funded with the money removed from PM. | $22,445.00 | N/A |
| Other Legal Services | ***$10,000.00*** | $10,000.00 | Need | $2,037.60 | N/A |
| Additional Field Engineering Service, 30 Days | ***$60,000.00*** | $60,000.00 | N/A | $6,800.00 | N/A |

| | | | | | |
|---|---|---|---|---|---|
| Comprehensive coverage verification via field study, if needed | $84,200.00 | $80,000.00 | N/A | N/A | N/A |
| FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase | $2,105.00 | $2,000.00 | N/A | N/A | N/A |
| ASR modification (prepare FCC Form 854) | $2,105.00 | $2,000.00 | N/A | N/A | N/A |
| Attorney Fees - Prepare and File request for Special Temporary Authorization | $3,680.00 | $3,500.00 | N/A | N/A | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application | $2,365.00 | $2,250.00 | N/A | N/A | N/A |
| Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application | $4,210.00 | $4,000.00 | N/A | N/A | N/A |

| | | | | | |
|---|---|---|---|---|---|
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | $5,260.00 | $5,000.00 | 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 |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | $1,580.00 | $1,500.00 | N/A | N/A | N/A |
| RF Consulting Engineer Fees-Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application | $2,105.00 | $2,000.00 | N/A | N/A | N/A |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | $3,155.00 | $3,000.00 | N/A | $3,000.00 | N/A |

| | | | | | |
|---|---|---|---|---|---|
| Perform engineering study for new channel assignment and antenna development | $7,360.00 | $7,000.00 | N/A | $7,000.00 | N/A |
| Address transition timing and coordination issues w/ other stations and wireless | $2,630.00 | $2,500.00 | N/A | N/A | N/A |
| RF Exposure Measurements | $21,050.00 | $20,000.00 | N/A | N/A | N/A |
| Prepare and or review reimbursement form | $2,630.00 | $20,000.00 | The Estimated Cost reflects the station's ongoing need for outside assistance with preparation and submission of its Actual Cost Repack invoices. | $12,702.50 | N/A |

| | | | | | |
|---|---|---|---|---|---|
| Project management of the transition | $94,800.00 | $90,000.00 | The added complexity of dual mobilization for tower rigging as well as the complexity of this project. $60,000 has been moved from PM to the Other Engineering Services component (181116jg) | $6,920.00 | N/A |
| **Sub-total** | $370,815.00 | $376,250.00 | N/A | $60,905.10 | N/A |
| **Total for all systems** | $3,996,262.72 | $4,168,927.72 | N/A | $1,924,442.29 | N/A |

## Components

| Actual Information Description | File Name | |
|---|---|---|
| Other Engineering Services | **Component Description:**<br>**Amount:** | KGA 947-189 v190614pmv1c<br>$590.00 |
| | **Component Description:**<br>**Amount:** | KGA 947-192 v190614pmv1<br>$1,652.50 |
| | **Component Description:**<br>**Amount:** | KGA 947-190 v190614pmv1<br>$1,267.50 |

| | |
|---|---|
| **Component Description:** | KGA inv #947-62<br>Other Eng Srvcs<br>Aug - Dec 2017<br>UL20190226jgv2 |
| **Amount:** | $7,665.00 |
| **Component Description:** | KGA inv #947-62<br>Other Eng Srvcs<br>Aug - Dec 2017<br>UL2018116jgv1 |
| **Amount:** | $7,665.00 |
| **Component Description:** | KGA 947-155<br>v190515pmv1 |
| **Amount:** | $675.00 |
| **Component Description:** | KGA 947-191<br>v190614pmv1 |
| **Amount:** | $670.00 |
| **Component Description:** | KGA inv #947-114<br>Other Eng Srvcs<br>July - Oct 2018<br>UL20190206jgv2 |
| **Amount:** | $6,950.00 |
| **Component Description:** | KGA 947-153<br>v190515pmv1 |
| **Amount:** | $2,075.00 |
| **Component Description:** | KGA 947-154<br>v190515pmv1 |
| **Amount:** | $225.00 |
| **Component Description:** | KGA 947-152<br>v190515pmv1 |
| **Amount:** | $675.00 |

Other Legal Services

| | |
|---|---|
| **Component Description:** | WDIV Covington inv #60812717 Review and file 2018 Q2 Progress Report UL20181019jgv1 |
| **Amount:** | $34.20 |
| **Component Description:** | WDIV Covington inv #60790165 Review and file Progress Report UL20181019jgv1 |
| **Amount:** | $62.10 |
| **Component Description:** | C&B 60855206 v190918pmv1 |
| **Amount:** | $177.75 |
| **Component Description:** | C&B 60774447 v190918pmv1 |
| **Amount:** | $576.00 |
| **Component Description:** | Covington inv #60836455 Legal services thru 190131 UL20190308jgv1 |
| **Amount:** | $328.05 |
| **Component Description:** | C&B 60847121 v190610pmv1 |
| **Amount:** | $71.10 |
| **Component Description:** | Covington inv #60773112 Various legal UL20190321jgv1 |
| **Amount:** | $456.75 |

| | |
|---|---|
| **Component Description:** | Covington inv #60827773 Legal services thru 181130 UL20190308jgv1 |
| **Amount:** | $102.60 |
| **Component Description:** | Covington inv #60776173 Various legal UL20190321jgv1 |
| **Amount:** | $229.05 |

| | | |
|---|---|---|
| Additional Field Engineering Service, 30 Days | **Component Description:**<br><br><br><br><br>**Amount:** | Inv: WDIV Addl Fld Eng Srv TX Mask Fltr Elec HVAC Solution UL20180403<br>$1,250.00 |
| | **Component Description:**<br><br><br><br><br><br><br><br><br><br><br><br>**Amount:** | Inv: WDIV Outside Prof Svcs 1) CAS planning procuremnt & oversight, coord twr mapping & analyses 2) CAS planning procuremnt, oversight & develop an upgrade or replacement solution for twr 3) CAS planning procuremnt, oversight & coord twr mods UL20180403<br>$2,750.00 |
| | **Component Description:**<br><br><br><br><br><br><br><br>**Amount:** | Inv: WDIV Antenna Repurposing Study, Transmission Line Repurposing Study, Transmitter Repurposing Study & Parameter Review UL20180403<br>$2,800.00 |
| Comprehensive coverage verification via field study, if needed | Information not provided. | |

| | |
|---|---|
| FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase | Information not provided. |
| ASR modification (prepare FCC Form 854) | Information not provided. |
| Attorney Fees - Prepare and File request for Special Temporary Authorization | Information not provided. |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application | Information not provided. |
| Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application | Information not provided. |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | Information not provided. |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application | Information not provided. |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | Information not provided. |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application | Information not provided. |

| | | |
|---|---|---|
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | **Component Description:**<br><br><br><br><br><br>**Amount:** | Inv: WDIV Outside Prof Svcs - Prepare eng section of Form FCC Const Permit App for Main Facility UL20180403<br>$3,000.00 |
| Perform engineering study for new channel assignment and antenna development | **Component Description:**<br><br><br><br><br><br>**Amount:** | Inv: WDIV Outside Prof Svcs - Perform eng study for new ch assignment and antenna development UL20180403<br>$7,000.00 |
| Address transition timing and coordination issues w/ other stations and wireless | Information not provided. | |
| RF Exposure Measurements | Information not provided. | |
| Prepare and or review reimbursement form | **Component Description:**<br>**Amount:**<br><br>**Component Description:**<br>**Amount:**<br><br>**Component Description:**<br>**Amount:**<br><br>**Component Description:**<br>**Amount:** | KGA 947-159 v190515pmv1<br>$350.00<br><br>KGA 947-164 v190515pmv1<br>$2,122.50<br><br>KGA 947-175 v190704jgv1<br>$3,045.00<br><br>KGA 947-139 v190515pmv1<br>$200.00 |

| | |
|---|---|
| **Component Description:** | KGA 947-171 v190704jgv1 |
| **Amount:** | $95.00 |
| **Component Description:** | KGA 947-196 v190916jgv1 |
| **Amount:** | $665.00 |
| **Component Description:** | KGA 947-131 v190515pmv1 |
| **Amount:** | $150.00 |
| **Component Description:** | Inv: WDIV Outside Prof Svcs - Prepare and or Review Reimbursement Form UL20180403 |
| **Amount:** | $2,500.00 |
| **Component Description:** | KGA 947-132 v190515pmv1 |
| **Amount:** | $1,225.00 |
| **Component Description:** | KGA 947-133 v190515pmv1 |
| **Amount:** | $500.00 |
| **Component Description:** | KGA 947-130 v190515pmv1 |
| **Amount:** | $50.00 |
| **Component Description:** | KGA 947-202 v190916jgv1 |
| **Amount:** | $1,550.00 |

| | | |
|---|---|---|
| | **Component Description:** | KGA 947-206 v190916jgv1 |
| | **Amount:** | $250.00 |
| Project management of the transition | **Component Description:** | Inv 947-21 WDIV Project Management through Aug 2017 UL20180504jgv3 |
| | **Amount:** | $3,500.00 |
| | **Component Description:** | KGA inv #947-82 Form 387 2018 Q2 UL2018116jgv1 |
| | **Amount:** | $300.00 |
| | **Component Description:** | KGA 947-200 v190916jgv1 |
| | **Amount:** | $300.00 |
| | **Component Description:** | KGA 947-118 v190515jgv1 |
| | **Amount:** | $300.00 |
| | **Component Description:** | Inv: WDIV 2017Q4 387 UL20180403 |
| | **Amount:** | $300.00 |
| | **Component Description:** | KGA 947-162 v190515jgv1 |
| | **Amount:** | $300.00 |
| | **Component Description:** | Inv: WDIV 2017Q3 387 UL20180403 |
| | **Amount:** | $300.00 |

| | |
|---|---|
| **Component Description:** | KGA inv #947-110<br>Form 387 2018 Q3<br>UL2018116jgv1 |
| **Amount:** | $300.00 |
| **Component Description:** | KGA inv #947-59<br>Actual Cost invs<br>180329<br>UL2018116jgv1 |
| **Amount:** | $300.00 |
| **Component Description:** | KGA inv #947-56<br>Form 387 2018 Q1<br>UL2018116jgv1 |
| **Amount:** | $300.00 |
| **Component Description:** | KGA inv #947-58<br>Actual Cost invs<br>180403<br>UL2018116jgv1 |
| **Amount:** | $720.00 |

## Cost Information

### Other Expenses

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|---|---|---|---|---|
| **Other Expenses** | **$138,550.00** | **$138,000.00** | | **$0.00** | |
| DTV Medical Facility Notification | $11,550.00 | $11,000.00 | N/A | N/A | N/A |
| Non-zoning permits | ***$25,000.00*** | $25,000.00 | N/A | N/A | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | ***$25,000.00*** | $25,000.00 | N/A | N/A | N/A |
| Equipment Delivery and Handling Charges | ***$25,000.00*** | $25,000.00 | N/A | N/A | N/A |
| Equipment Storage | ***$25,000.00*** | $25,000.00 | N/A | N/A | N/A |
| MVPD Notification of Channel Change | ***$2,000.00*** | $2,000.00 | N/A | N/A | N/A |
| Develop and air announcement of upcoming channel change | ***$25,000.00*** | $25,000.00 | N/A | N/A | N/A |
| **Sub-total** | $138,550.00 | $138,000.00 | N/A | $0.00 | N/A |
| **Total for all systems** | $3,996,262.72 | $4,168,927.72 | N/A | $1,924,442.29 | N/A |

## Components

Information not provided.

## Cost Information

### Grand Total

| | Predetermined Cost Estimate | Estimated Cost | Actual Cost |
|---|---|---|---|
| **Total for all systems** | $3,996,262.72 | $4,168,927.72 | $1,924,442.29 |

## Reimbursement Status

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

## Certification

| Section | Question | Response |
| --- | --- | --- |
| **Submission of Estimated Expenses Statements** | WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT. | |
| | 1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.<br>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.<br>3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. | |

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

| | | |
|---|---|---|
| | 8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested. | |
| | I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above. | **Jeffrey C Gehman**<br>*Engineering Associate*<br><br>09/18/2019 |

## Certification

| Section | Question | Response |
| --- | --- | --- |
| **Submission of Actual Cost Documentation Statements** | WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (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). | |
| | 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.<br>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.<br>3. The above-named entity acknowledges that all certifications and attached documentation are considered material 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) .
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.

| | | |
|---|---|---|
| | 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.<br>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. | |
| | I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above. | **Jeffrey C Gehman**<br>*Engineering Associate*<br><br>09/18/2019 |

## Attachments