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: **10645** | Service: **DTV** | Call Sign: **WTVI** | Channel: **9 (High VHF)**

File Number: **0000028207**

FRN: **0001957331** | Date Submitted: **05/30/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|---|---|---|---|---|
| **CENTRAL PIEDMONT COMMUNITY COLLEGE**<br>Doing Business As:<br>CENTRAL PIEDMONT COMMUNITY COLLEGE | AMY BURKETT<br>3242 Commonwealth Ave<br>CHARLOTTE, NC 28205<br>United States | +1 (704) 330-5940 | amy.burkett@cpcc.edu | Government Entity |

## 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 |
|---|---|---|---|
| **Thomas Long , Jr .**<br>*Director of Engineering*<br>*WTVI* | Thomas Long<br>3242 Commonwealth Ave<br>Charlotte, NC 28205<br>United States | +1 (828) 324-5265 | tlong@teslarf.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 | The existing facility employs a side-mounted non-directional antenna. A broadband interim antenna will be installed to facilitate the transition from Channel 11 to Channel 9. |

## Transmitters

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

## Auxiliary Transmitter

### Add Transmitter Information

| Section | Question | Response |
|---|---|---|
| **Existing Transmitter Description** | Type of change | Retune Existing |
| | Use | Auxiliary (Backup) |
| | Ownership | Owned |
| | Owner | 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 | Rohde & Schwarz |
| | Model | SCx8000 |

| | | |
|---|---|---|
| | Year | 2010 |
| | Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 3.0 kW |

## Auxiliary Transmitter

### Retuning Transmitter Costs

| Section | Question | Response |
|---|---|---|
| **New IOT Tubes** | Number of Tubes (including accessories) needed | N/A |
| **New Mask Filter** | Power | 7 kW |
| | Other Power | N/A |
| **New Exciter** | Is a new exciter needed? | No |

## Auxiliary Transmitter

### Other Transmitter Costs

| 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 | 2 inches |
| | Length | 75.0 feet |
| | Other Electrical Service | Yes |

| | | |
|---|---|---|
| | Description | Low voltage wiring to support transmitter liquid cooling system |
| **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 | Optimum TDV2 2K50 |
| | Year | 2001 |
| | Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power Capacity | 3.0 kW |

## Primary Transmitter

### New Transmitter Costs

| Section | Question | Response |
|---|---|---|
| **New Transmitter** | Use | Primary (Main) |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Manufacturer | |
| | Model | THV9evo |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 3.9 kW |
| | Justification for New Transmitter | Transmitter was abandoned by manufacturer 10 years ago. We have no parts to move channel with. |

## Primary 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 | 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? | 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 |

## Primary Transmitter

### Other Transmitter Cost Not Listed

| Name | Description |
|---|---|
| **Installation** | Installation, Commissioning and Proof-of-Performance for new transmitter |

## Antennas

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

## 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? | No |
| | Is antenna in operating condition? | Yes |
| | Is antenna located on or in close proximity to an antenna farm? | Yes |
| **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) | 2.57 kW |
| | | |

| | |
|---|---|
| Manufacturer | |
| Model | ATW2V1-HSOC-11 |
| Year | 2002 |

## Primary Antenna

### New Antenna Costs

| Section | Question | Response |
|---|---|---|
| **New Antenna Description** | Use | Primary (Main) |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | No |
| | Is antenna directional? | No |
| | Will antenna be located on or in close proximity to an antenna farm? | No |
| **New Antenna Manufacturer and Types** | Class | Full Power |
| | Mounting | 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) | 2.57 kW |
| | Manufacturer | |

| | | |
|---|---|---|
| | Model | ATW2V1-HSOC-9 |
| | Year | 2018 |
| | Justification for New Antenna | Existing slot antenna will not function on new channel and cannot be retuned. |

## 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 | 3 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 |

**Primary Antenna**

### Other Antenna Cost Not Listed

Information not provided.

## Interim Antenna

### New Antenna Costs

| Section | Question | Response |
|---|---|---|
| **New Antenna Description** | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | No |
| | Is antenna directional? | Yes |
| | Will antenna be located on or in close proximity to an antenna farm? | Yes |
| **New Antenna Manufacturer and Type** | Class | Full Power |
| | Mounting | Side Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | Type | Broadband Slot |
| | Number of Stations Supported | 1 |
| | Number of Panels/Bays | 4 |
| | Lower Limit | 174.00 MHz |
| | Upper Limit | 216.00 MHz |
| | Design power capacity in use | 35.0 % |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 2.75 kW |
| | Manufacturer | |
| | Model | TLS-V-BB |
| | Year | 2017 |

| | | |
|---|---|---|
| | Justification for New Antenna | WTVI needs to purchase a Interim antenna to be able to stay on the air during the channel change. WHKY TV that is collocated on the tower is in phase 5, WTVI is in phase 9. Work on both systems need to be done at the same time. |

**Interim Antenna**

### Other Antenna Costs

| Section | Question | Response |
|---|---|---|
| **Elbow Complex** | Do you require the separate purchase of the Elbow Complex? | Yes |
| | Broadband or Single Channel? | B |
| | Feed Line Size | 3 1/8 inches |
| **Side Mount Brackets** | Do you require the separate purchase of side mount brackets for an 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 |

## Interim Antenna

### Other Antenna Cost Not Listed

Information not provided.

## Transmission Line

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

## Primary Transmission Line

### Add 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 this transmission currently shared with any other stations? | No |
| | Is Transmission Line in operating condition? | Yes |
| **Existing Transmission Line Manufacturer and Type** | Manufacturer | Andrew |
| | Type | Flexible Air |
| | Diameter | 3 inches |
| | Other Diameter | N/A |
| | Segment Length | N/A |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 1378 feet per run |

## Primary Transmission Line

### Other Transmission Line Expenses Not Listed

Information not provided.

## Interim Transmission Line

### New Transmission Line

| Section | Question | Response |
|---|---|---|
| **New Transmission Line Costs** | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Type | Flexible Air |
| | Diameter | 3 inches |
| | Segment Length | N/A |
| | Other Segment Length | |
| | Number of parallel runs | 1 |
| | Length | 1220 feet per run |
| | Justification for New Transmission Line | Required transmission line for interim antenna system. |

## Interim Transmission Line

### Other Transmission Line Expenses Not Listed

Information not provided.

## Tower Equipment And Rigging Costs

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

## Primary Tower

### Existing Tower

| Section | Question | Response |
|---|---|---|
| **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 | 1005065 |
| **Coordinates (NAD83 ( North American Datum of 1983))** | Latitude (NAD83) | 35° 17' 15.0" N- |
| | Longitude (NAD83) | 080° 41' 44.0" W- |
| | Overall Structure Height | 1246.70 feet |
| | Support Structure Height | 1197.49 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 715.21 feet |

| | |
|---|---|
| Structure Type | TOWER - Free Standing or Guyed Structure |
| Tower Owner | Central Piedmont Community College |
| Date Constructed | 08/01/1992 |

### 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 |
|---|---|---|
| 69436 | WFAE | FM |
| 53970 | WRFX | FM |
| 65919 | WHKY-TV | DTV |

**Primary Tower**

### Tower Modification Costs

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

**Primary Tower**

### Tower Rigging Costs

| Section | Question | Response |
|---|---|---|
| **Tower Rigging Costs** | Complex Tower | N/A |

| | | |
|---|---|---|
| **Helicopter Services Required** | Are helicopter services required? | No |

**Primary Tower**

### Other Tower Expenses Not Listed

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 | 250 |
| | Explanation | Provide Project management of the transition Prepare and/or review reimbursement form Address transition timing, and coordination issues with other stations. Outside Accounting to comply with Reimbursement. |
| **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 | Yes |
| | Quantity | 2 |
| | 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 | 2 |
| | 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 | Yes |
| | Address transition timing and coordination issues w/ other stations and wireless providers | Yes |
| **RF Field Engineering Services** | Comprehensive coverage verification via field study | No |
| | RF exposure measurements | No |
| | Additional Field Engineering Service | No |
| | Number of Days | N/A |
| | Justification | N/A |

## Outside Professional Services Costs

### Other Professional Services Expenses Not Listed

| Name | Description |
| --- | --- |
| **Attorney Expence for 399 Form** | Work performed by attorney to prepare 399 form |

## 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 | No |
| | 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? | No |
| | Does this relocation require Equipment Storage? | No |
| | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change? | Yes |
| | Does this relocation require MVPD Notification of a Channel Change? | Yes |

## Other Expenses

### Other Expenses Not Listed

Information not provided.

## Cost Information

### Transmitters

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|---|---|---|---|---|
| **Primary Transmitter THV9evo** | **$263,500.00** | **$251,000.00** | | **$203,970.11** | |
| High VHF - Liquid Cooled Solid State Transmitter 3.3 . 6.5 kW | $249,500.00 | $237,000.00 | N/A | $203,970.11 | N/A |
| Installation | ***$14,000.00*** | $14,000.00 | N/A | N/A | N/A |
| **Auxiliary Transmitter SCx8000** | **$140,410.00** | **$83,575.00** | | **$9,009.01** | |
| UHF and VHF - minor banding issues | $105,200.00 | $50,000.00 | N/A | N/A | N/A |
| Transformer 3 phase /480v - 150 KVA | $25,550.00 | $24,300.00 | N/A | N/A | N/A |
| 2" Rigid Conduit and Wiring (Cost per foot) | $1,950.00 | $1,875.00 | N/A | N/A | N/A |

| | | | | | |
|---|---|---|---|---|---|
| Other Electrical Service: Low voltage wiring to support transmitter liquid cooling system | ***$1,500.00*** | $1,500.00 | N/A | N/A | N/A |
| 7 kW mask filter | $6,210.00 | $5,900.00 | N/A | $9,009.01 | Cost when ordered was higher than the original quote. Transmission line fittings were included in the mask filter final invoice. |
| **Sub-total** | $403,910.00 | $334,575.00 | N/A | $212,979.12 | N/A |
| **Total for all systems** | $1,148,095.00 | $1,046,225.00 | N/A | $217,349.12 | N/A |

## Components

| Actual Information Description | File Name |
|---|---|
| High VHF - Liquid Cooled Solid State Transmitter 3.3 . 6.5 kW | **Component Description:** Transmitter system taxes<br>**Amount:** $13,565.11<br><br>**Component Description:** Payment for transmitter<br>**Amount:** $190,405.00 |
| Installation | Information not provided. |
| UHF and VHF - minor banding issues | Information not provided. |

| | |
|---|---|
| Transformer 3 phase/480v - 150 KVA | Information not provided. |
| 2" Rigid Conduit and Wiring (Cost per foot) | Information not provided. |
| Other Electrical Service: Low voltage wiring to support transmitter liquid cooling system | Information not provided. |
| 7 kW mask filter | **Component Description:** Mask Filter RF components auxiliary tx tax<br>**Amount:** $609.01<br><br>**Component Description:** Mask filter and RF components auxiliary transmitter<br>**Amount:** $8,400.00 |

## Cost Information

### Antennas

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|---|---|---|---|---|
| **Interim Antenna TLS-V-BB** | **$94,480.00** | **$92,280.00** | | **$0.00** | |
| 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 |
| Side mount brackets for high power antennas (if not included in antenna base cost) | $23,150.00 | $22,000.00 | N/A | N/A | N/A |
| Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed) | $9,340.00 | $8,880.00 | N/A | N/A | N/A |

| | | | | | |
|---|---|---|---|---|---|
| High VHF - High Power Side Mount One Station horizontally polarized | ***$50,000.00*** | $50,000.00 | N/A | N/A | N/A |
| Sweep test of existing antenna | $6,730.00 | $6,400.00 | N/A | N/A | N/A |
| **Primary Antenna ATW2V1-HSOC-9** | **$92,240.00** | **$90,300.00** | | **$0.00** | |
| 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 |
| Side mount brackets for high power antennas (if not included in antenna base cost) | $23,150.00 | $22,000.00 | N/A | N/A | N/A |
| Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed) | $7,600.00 | $7,400.00 | N/A | N/A | N/A |

| | | | | | |
|---|---|---|---|---|---|
| High VHF - High Power Side Mount One Station horizontally polarized | ***$49,500.00*** | $49,500.00 | N/A | $0.00 | N/A |
| Sweep test of existing antenna | $6,730.00 | $6,400.00 | N/A | N/A | N/A |
| **Sub-total** | $186,720.00 | $182,580.00 | N/A | $0.00 | N/A |
| **Total for all systems** | $1,148,095.00 | $1,046,225.00 | N/A | $217,349.12 | N/A |

## Components

Information not provided.

## Cost Information

### Transmission Line

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|---|---|---|---|---|
| **Interim Transmission Line** | **$71,980.00** | **$68,320.00** | | **$0.00** | |
| Flexible Air Transmission Line - dielectric, 3" | $71,980.00 | $68,320.00 | N/A | N/A | N/A |
| **Primary Transmission Line** | **$0.00** | **$0.00** | | **$0.00** | |
| **Sub-total** | $71,980.00 | $68,320.00 | N/A | $0.00 | N/A |
| **Total for all systems** | $1,148,095.00 | $1,046,225.00 | N/A | $217,349.12 | N/A |

### Components

Information not provided.

## Cost Information

### Tower Equipment and Rigging Costs

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|---|---|---|---|---|
| **Primary Tower TOWER** | **$381,100.00** | **$362,000.00** | | **$0.00** | |
| Minor tower reinforcement /modifications | $158,000.00 | $150,000.00 | N/A | N/A | N/A |
| Structural engineering tower load study for well documented tower | $12,600.00 | $12,000.00 | N/A | N/A | N/A |
| Tall Tower (greater than 500') | $210,500.00 | $200,000.00 | N/A | N/A | N/A |
| **Sub-total** | $381,100.00 | $362,000.00 | N/A | $0.00 | N/A |
| **Total for all systems** | $1,148,095.00 | $1,046,225.00 | N/A | $217,349.12 | N/A |

### Components

Information not provided.

## Cost Information

### Outside Professional Services

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|---|---|---|---|---|
| **Outside Professional Services** | **$86,335.00** | **$81,250.00** | | **$4,370.00** | |
| Attorney Expence for 399 Form | ***$2,500.00*** | $2,500.00 | N/A | $1,120.00 | N/A |
| Attorney Fees - Prepare and File request for Special Temporary Authorization | $7,360.00 | $7,000.00 | N/A | $0.00 | 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 |

| | | | | | |
|---|---|---|---|---|---|
| Prepare request for Special Temporary Authorization | $4,100.00 | $3,000.00 | N/A | N/A | N/A |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application | $1,580.00 | $1,500.00 | N/A | N/A | N/A |
| 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 | $0.00 | N/A |

| | | | | | |
|---|---|---|---|---|---|
| Perform engineering study for new channel assignment and antenna development | $7,360.00 | $7,000.00 | N/A | $2,500.00 | 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 |
| Project management of the transition | $39,500.00 | $37,500.00 | N/A | N/A | N/A |
| Prepare and or review reimbursement form | $2,630.00 | $2,500.00 | N/A | $750.00 | N/A |
| **Sub-total** | $86,335.00 | $81,250.00 | N/A | $4,370.00 | N/A |
| **Total for all systems** | $1,148,095.00 | $1,046,225.00 | N/A | $217,349.12 | N/A |

## Components

| Actual Information Description | File Name | |
|---|---|---|
| Attorney Expence for 399 Form | **Component Description:**<br>**Amount:** | Review of FCC form 399 for filing<br>$1,120.00 |
| 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. |
| Prepare request for Special Temporary Authorization | 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 | Information not provided. |
| Perform engineering study for new channel assignment and antenna development | **Component Description:** Preparation of engineering portion of FCC Form 2100 for repack to new channel.<br>**Amount:** $2,500.00 |
| Address transition timing and coordination issues w/ other stations and wireless | Information not provided. |

| | | |
|---|---|---|
| Project management of the transition | Information not provided. | |
| Prepare and or review reimbursement form | **Component Description:**<br><br><br><br>**Amount:** | Assistance with engineering parts FCC form 399 reimbursable expenses<br>$750.00 |

## 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** | **$18,050.00** | **$17,500.00** | | **$0.00** | |
| MVPD Notification of Channel Change | ***$1,500.00*** | $1,500.00 | N/A | N/A | N/A |
| Develop and air announcement of upcoming channel change | ***$2,500.00*** | $2,500.00 | N/A | N/A | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | ***$2,500.00*** | $2,500.00 | N/A | N/A | N/A |
| DTV Medical Facility Notification | $11,550.00 | $11,000.00 | N/A | N/A | N/A |
| **Sub-total** | $18,050.00 | $17,500.00 | N/A | $0.00 | N/A |
| **Total for all systems** | $1,148,095.00 | $1,046,225.00 | N/A | $217,349.12 | N/A |

### Components

Information not provided.

## Cost Information

### Grand Total

| | Predetermined Cost Estimate | Estimated Cost | Actual Cost |
|---|---|---|---|
| **Total for all systems** | $1,148,095.00 | $1,046,225.00 | $217,349.12 |

## 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. | **Thomas Edmund Long , Jr .**<br>*Director of Engineering*<br><br>05/30/2019 |

## Attachments