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: **71645** | Service: **DTV** | Call Sign: **WLJT-DT** | Channel: **27 (UHF)**

File Number: **0000028599**

FRN: **0001773761** | Date Submitted: **05/08/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|---|---|---|---|---|
| **WEST TENNESSEE PUBLIC TV COUNCIL, INC** | MONICA REESE<br>P.O. BOX 966<br>MARTIN, TN 38237<br>United States | +1 (731) 881-7561 | MREESE@WLJT.ORG | Not-for-Profit |

## 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 |
|---|---|---|---|
| **Roy P Stype , III .**<br>*Consulting Engineer*<br>*Carl E. Smith Consulting Engineers* | PO Box 807<br>Bath, OH 44210<br>United States | +1 (330) 659-4440 | rstype@aol.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 | Build Ch 27 repack transmitter in adjacent room. Transition current Ch 47 transmitter into spare sidemount Ch 47 antenna, build new Ch 27 top mount antenna out to patch, transition to new Ch 27 antenna. |

## Transmitters

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

## 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 | DHD45P2 |
| | Year | 2002 |
| | Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power Capacity | 5.5 kW |

## Primary Transmitter

### New Transmitter Costs

| Section | Question | Response |
|---|---|---|
| **New Transmitter** | Use | Primary (Main) |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Manufacturer | |
| | Model | UAXTE-24 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power capacity | 14.4 kW |
| | Justification for New Transmitter | The manufacturer of the existing transmitter advises that the transmitter cannot be re-tuned to the assigned channel. Limited parts availability. |

## Primary Transmitter

### Other Transmitter Costs

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

| | | |
|---|---|---|
| | Size | 3 inches |
| | Length | 100.0 feet |
| | Other Electrical Service | Yes |
| | Description | Electrical to HVAC. |
| **HVAC Service** | Does the replacement transmitter require HVAC Service? | Yes |
| | Type | Cooling Only |
| | Size | 25 tons |
| | 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 |
|---|---|
| **HVAC Ice Shield** | Protects HVAC from falling ice |

## 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? | No |
| | 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) | 195.0 kW |
| | | |

| | |
|---|---|
| Manufacturer | |
| Model | JA/MS-AL-16 |
| Year | 2008 |

## Auxiliary Antenna

### New Antenna Costs

| Section | Question | Response |
|---|---|---|
| **New Antenna Description** | Use | Auxiliary (Backup) |
| | Description of Use | Backup replacement of ch 47 sidemount |
| | 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) | 142.0 kW |

| | |
|---|---|
| Manufacturer | |
| Model | JA/MS-16 /27 THO |
| Year | 2017 |
| Justification for New Antenna | Replaces sidemount CH 47 backup antenna with sidemount CH 27 |

## 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? | No |
| | Broadband or Single Channel? | N/A |
| | Feed Line Size | N/A |
| **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 |

## 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? | No |
| | 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 | 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) | 285.0 kW |
| | | |

| | |
|---|---|
| Manufacturer | |
| Model | JA/MS-32 /47 THO |
| Year | 2013 |

## 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 | 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) | 142.0 kW |
| | Manufacturer | |

| | |
|---|---|
| Model | JA/MS-24 /27 |
| Year | 2018 |
| Justification for New Antenna | Cannot be retuned from RF 47 to Rf 27 |

**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? | No |
| | Broadband or Single Channel? | N/A |
| | Feed Line Size | N/A |
| **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 | 6 1/8 inches |
| | Other Diameter | N/A |
| | Segment Length | 20 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 510 feet per run |

## Primary Transmission Line

### Other Transmission Line Expenses Not Listed

Information not provided.

## 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 | 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 | 480 feet per run |

## Auxiliary 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? | No |
| | One or more FM, AM or TV radio broadcaster(s) | N/A |
| | Others Types of Users | N/A |
| | Is tower documented for structural analysis? | Yes |
| | Is tower compliant with Rev G? | Unknown |
| **Existing Tower Structure Registration** | Do you have a tower registration number? | No |
| | ASR Number | |
| **Coordinates (NAD83 ( North American Datum of 1983))** | Latitude (NAD83) | 35° 42' 12.0" N- |
| | Longitude (NAD83) | 088° 36' 10.0" W- |
| | Overall Structure Height | 499.01 feet |
| | Support Structure Height | 432.74 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 667.97 feet |

| | |
|---|---|
| Structure Type | TOWER - Free Standing or Guyed Structure |
| Tower Owner | WEST TENNESSEE PUBLIC TV COUNCIL INC |
| Date Constructed | 01/01/1966 |

**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 | 95 |
| | 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 | Yes |

| | | |
|---|---|---|
| | Quantity | 1 |
| | 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 | 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 | Yes |

| | |
|---|---|
| Number of Days | 10 |
| 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**

Information not provided.

## 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 | Yes |
| | FCC License to Cover Application | Yes |
| | FCC Special Temporary Authority Application | Yes |
| **Other Miscellaneous Expenses** | Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)? | No |
| | Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs? | Yes |
| | 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 UAXTE-24** | **$872,816.45** | **$692,653.95** | | **$645,437.55** | |
| HVAC Ice Shield | ***$13,000.00*** | $13,000.00 | N/A | $0.00 | N/A |
| RF Consulting Engineer | $5,260.00 | $5,000.00 | N/A | $0.00 | N/A |
| 25 Ton system | $91,500.00 | $87,000.00 | N/A | $57,985.00 | N/A |
| Other Electrical Service: Electrical to HVAC. | ***$52,200.00*** | $52,200.00 | Electrical invoices exceeded initial estimates. An unexpected invoice from South West Electric found in form 399 line item "Service entrance 3 phase/800 amp/208 volt", threw our electrical cost split out of balance. | $52,200.00 | additional electrical work required with demolish of old transmitter for new |

| | | | | | |
|---|---|---|---|---|---|
| UHF - Air Cooled Solid State Transmitter 14.4 kW | ***$463,556.45*** | $463,556.45 | Actual invoice from Gates Air included exhaust system that the initial estimate did not include. This is the final and complete value of invoices from Gates Air. | $463,556.45 | Problems with 2nd installment in FCC reimbursement system. I was instructed to add an additional component. Missing change orders have been added to the final payment pdf. |
| Service entrance 3 phase/800 amp/208 volt | $14,400.00 | $13,700.00 | N/A | $13,698.60 | N/A |
| Switchgear - industrial 800 amp | $38,200.00 | $36,300.00 | N/A | $36,200.00 | N/A |
| 3" Rigid Conduit and Wiring (Cost per foot) | $5,200.00 | $4,900.00 | N/A | $4,800.00 | N/A |
| Channel 14 Mask Filter | $189,500.00 | $16,997.50 | ***System Notice: Estimate adjusted and locked because line has been superseded. *** | $16,997.50 | N/A |
| **Sub-total** | $872,816.45 | $692,653.95 | N/A | $645,437.55 | N/A |
| **Total for all systems** | $1,653,181.45 | $1,299,427.70 | N/A | $1,031,552.28 | N/A |

## Components

| Actual Information Description | File Name |
|---|---|
| HVAC Ice Shield | Information not provided. |
| RF Consulting Engineer | Information not provided. |
| 25 Ton system | **Component Description:** cooling/adders for transmitter<br>**Amount:** $57,985.00 |
| Other Electrical Service: Electrical to HVAC. | **Component Description:** electrical & labor for transmitter<br>**Amount:** $20,000.00<br><br>**Component Description:** electrical to transmitter and labor<br>**Amount:** $20,000.00<br><br>**Component Description:** electrical to HVAC and labor<br>**Amount:** $32,200.00 |

| | | |
|---|---|---|
| UHF - Air Cooled Solid State Transmitter 14.4 kW | **Component Description:** | final payment for transmitter. Change orders included in pdf. Transmitter Total $463,556.45 WLJT has received $310,872.80 Left to be reimbursed $152,683.65 |
| | **Amount:** | $152,683.65 |
| | **Component Description:** | 2nd payment due for transmitter shipment |
| | **Amount:** | $155,436.40 |
| | **Component Description:** | 1/3 down payment on transmitter |
| | **Amount:** | $155,436.40 |
| Service entrance 3 phase /800 amp/208 volt | **Component Description:** | pole installation & primary run-service entrance, transmitter site |
| | **Amount:** | $6,898.60 |
| | **Component Description:** | concrete pad, pad mount transformer to rest upon, labor |
| | **Amount:** | $6,800.00 |
| Switchgear - industrial 800 amp | **Component Description:** | Switchgear-industrial 800 amp and labor |
| | **Amount:** | $36,200.00 |

| | | |
|---|---|---|
| 3" Rigid Conduit and Wiring (Cost per foot) | **Component Description:**<br>**Amount:** | 3" rigid conduit & wiring, 60 ft @ $80 /ft<br>$4,800.00 |
| Channel 14 Mask Filter | **Component Description:**<br>**Amount:** | 1/2 payment on mask filter<br>$16,997.50 |

## 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 | Ac Ju |
|---|---|---|---|---|---|
| **Primary Antenna JA /MS-24/27** | **$253,730.00** | **$167,295.33** | | **$167,295.33** | |
| Sweep test of existing antenna | $6,730.00 | $6,400.00 | N/A | $6,400.00 | |
| UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized | $247,000.00 | $160,895.33 | The original estimate was just a best guess, the actual cost was higher than expected. See attached FCC Ant Letter. pdf, Warmus_invoice_1_17676. pdf, Warmus_2_17729. pdf, Warmus_Contract.pdf | $160,895.33 | s w a d c w fo e e a s Sa |
| **Auxiliary Antenna JA /MS-16/27 THO** | **$185,530.00** | **$46,776.42** | | **$46,776.42** | |
| Sweep test of existing antenna | $6,730.00 | $6,400.00 | N/A | $6,400.00 | |

| | | | | |
|---|---|---|---|---|
| UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized | $89,400.00 | $21,556.42 | ***System Notice: Estimate adjusted and locked because line has been superseded.*** | $21,556.42 |
| UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized | $89,400.00 | $18,820.00 | ***System Notice: Estimate adjusted and locked because line has been superseded.*** | $18,820.00 |
| **Sub-total** | $439,260.00 | $214,071.75 | N/A | $214,071.75 |
| **Total for all systems** | $1,653,181.45 | $1,299,427.70 | N/A | $1,031,552.28 |

## Components

| Actual Information Description | File Name | |
|---|---|---|
| Sweep test of existing antenna | **Component Description:**<br>**Amount:** | Sweep testing for Main antenna<br>$6,400.00 |

| | | |
|---|---|---|
| UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized | **Component Description:**<br>**Amount:** | final payment on antenna and shipping<br>$91,682.83 |
| | **Component Description:**<br>**Amount:** | 1/2 payment on main antenna<br>$69,212.50 |
| Sweep test of existing antenna | **Component Description:**<br>**Amount:** | Sweep testing of Auxiliary Antenna<br>$6,400.00 |
| UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized | **Component Description:**<br>**Amount:** | final payment for auxiliary antenna and shipping<br>$21,556.42 |
| UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized | **Component Description:**<br>**Amount:** | 50% payment of auxiliary antenna<br>$18,820.00 |

## 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** | **$0.00** | **$0.00** | | **$0.00** | |
| **Auxiliary Transmission Line** | **$0.00** | **$0.00** | | **$0.00** | |
| **Sub-total** | $0.00 | $0.00 | N/A | $0.00 | N/A |
| **Total for all systems** | $1,653,181.45 | $1,299,427.70 | N/A | $1,031,552.28 | 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** | **$254,800.00** | **$310,900.00** | | **$159,900.00** | |
| Short Tower (less than 500') | $84,200.00 | $148,900.00 | Carl E Smith tower crew had to make two separate trips to rig our 499 ft tower to complete the work required to replace our Primary and Auxiliary antennas. | $148,900.00 | Carl E Smith tower crew had to make two separate trips to rig our 499 ft tower to complete the work required to replace our Primary and Auxiliary antennas. |
| 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 | $11,000.00 | N/A |
| **Sub-total** | $254,800.00 | $310,900.00 | N/A | $159,900.00 | N/A |
| **Total for all systems** | $1,653,181.45 | $1,299,427.70 | N/A | $1,031,552.28 | N/A |

### Components

| Actual Information<br>Description | File Name | |
|---|---|---|
| Short Tower (less than 500') | **Component Description:**<br><br><br><br><br><br><br><br><br><br><br><br><br>**Amount:**<br><br><br><br>**Component Description:**<br><br><br><br><br><br><br><br><br><br><br><br><br>**Amount:** | This is the portion of this invoice that applies to rigging and labor related to the auxiliary antenna. Sweep testing($6,400) is withheld from this request to be placed in the another location inside the antenna cost section<br>$60,460.00<br><br>This is the portion of this invoice that applies to rigging and labor related to the primary antenna. Sweep testing($6,400) is withheld from this request to be placed in the another location inside the antenna cost section.<br>$88,440.00 |
| Minor tower reinforcement /modifications | Information not provided. | |

| | | |
|---|---|---|
| Structural engineering tower load study for well documented tower | **Component Description:** | Structural Study on WLJT-TV tower for proposed new antenna /transmission line alterations as required per FCC Repack Directive |
| | **Amount:** | $5,500.00 |
| | **Component Description:** | Rigorous structural analysis for changes from Ch 14 to Ch 27 and issue report |
| | **Amount:** | $5,500.00 |

## 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** | **$68,615.00** | **$66,302.00** | | **$7,853.83** | |
| Additional Field Engineering Service, 10 Days | ***$15,000.00*** | $15,000.00 | 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 | $390.00 | N/A |
| Prepare request for Special Temporary Authorization | $2,050.00 | $1,500.00 | 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 |
| Project management of the transition | $15,010.00 | $14,250.00 | N/A | $191.25 | N/A |

| | | | | | |
|---|---|---|---|---|---|
| Prepare and or review reimbursement form | $2,630.00 | $3,302.00 | Form 399 has needed to be updated extra times from the initial filing due to unforeseen changes. | $3,302.00 | Due to issues with filing the form 399 and reimbursemer issues, talkin with the FCC reimbursemer department t work out issues, working with the lawyer to make sure filed properly |
| Address transition timing and coordination issues w/ other stations and wireless | $2,630.00 | $2,500.00 | N/A | $630.00 | N/A |
| Perform engineering study for new channel assignment and antenna development | $7,360.00 | $7,000.00 | N/A | $3,340.58 | N/A |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | $3,155.00 | $3,000.00 | N/A | N/A | N/A |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application | $2,105.00 | $2,000.00 | N/A | N/A | N/A |

| | | | | | |
|---|---|---|---|---|---|
| **Sub-total** | $68,615.00 | $66,302.00 | N/A | $7,853.83 | N/A |
| **Total for all systems** | $1,653,181.45 | $1,299,427.70 | N/A | $1,031,552.28 | N/A |

## Components

| Actual Information Description | File Name |
|---|---|
| Additional Field Engineering Service, 10 Days | 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 | **Component Description:** review and proposal for revision of draft Schedule A repack construction permit application<br>**Amount:** $390.00 |
| 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. | |
| Project management of the transition | **Component Description:**<br>**Amount:** | quarterly transition plan progress report<br>$60.00 |
| | **Component Description:**<br>**Amount:** | Transition progress report review, filing, certification<br>$131.25 |
| Prepare and or review reimbursement form | **Component Description:**<br>**Amount:** | reimbursement /transition progress report<br>$129.00 |
| | **Component Description:**<br>**Amount:** | Review of Schedule 399 and telephone call<br>$240.00 |
| | **Component Description:**<br>**Amount:** | memo regarding initial reimbursement allocation and permissible documentation of cost<br>$78.00 |

| | | |
|---|---|---|
| | **Component Description:** | Revised copy to include missing information requested by FCC reviewer. Amendment of WLJT Form 399 filing to add additional documentation which was requested by the FCC staff in regards to HVAC modifications. |
| | **Amount:** | $1,475.00 |
| | **Component Description:** | possible repack arrangement with T-Mobile consultation |
| | **Amount:** | $90.00 |
| | **Component Description:** | calls regarding form 399, item entries, LMS, breakdown, help desk problems, reimbursement issues |
| | **Amount:** | $1,290.00 |
| Address transition timing and coordination issues w/ other stations and wireless | **Component Description:** | change to phase 0 from 8 |
| | **Amount:** | $630.00 |

| | | |
|---|---|---|
| Perform engineering study for new channel assignment and antenna development | **Component Description:**<br><br>**Amount:** | Preparation of app for construction permit, provide assistance with form 399 and phone /email liaison in regards to above<br>$3,340.58 |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | Information not provided. | |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application | Information not provided. | |

## Cost Information

### Other Expenses

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|---|---|---|---|---|
| **Other Expenses** | **$17,690.00** | **$15,500.00** | | **$4,289.15** | |
| MVPD Notification of Channel Change | ***$1,000.00*** | $1,000.00 | N/A | $2,023.90 | The estimated cost was just an estimate. We thought everything would be lumped together with DTV medical which has $11,000 budgeted. |
| Develop and air announcement of upcoming channel change | ***$1,000.00*** | $1,000.00 | N/A | N/A | N/A |
| FCC Filing Fees - Form 2100 minor change CP application | $1,110.00 | $0.00 | N/A | N/A | N/A |
| DTV Medical Facility Notification | $11,550.00 | $11,000.00 | N/A | $2,265.25 | N/A |
| Equipment Delivery and Handling Charges | ***$2,500.00*** | $2,500.00 | N/A | N/A | N/A |

| | | | | | |
|---|---|---|---|---|---|
| FCC Filing Fees - Special Temporary Authorization request | $195.00 | $0.00 | N/A | N/A | N/A |
| FCC Filing Fees - Form 2100 license to cover application | $335.00 | $0.00 | N/A | N/A | N/A |
| **Sub-total** | $17,690.00 | $15,500.00 | N/A | $4,289.15 | N/A |
| **Total for all systems** | $1,653,181.45 | $1,299,427.70 | N/A | $1,031,552.28 | N/A |

## Components

| Actual Information Description | File Name | |
|---|---|---|
| MVPD Notification of Channel Change | **Component Description:**<br>**Amount:** | MVPD Notification Services<br>$1,813.90 |
| | **Component Description:**<br>**Amount:** | research and report on channel assignment, memo regarding 2nd filing window for alternate channel<br>$210.00 |
| Develop and air announcement of upcoming channel change | Information not provided. | |
| FCC Filing Fees - Form 2100 minor change CP application | Information not provided. | |

| | | |
|---|---|---|
| DTV Medical Facility Notification | **Component Description:**<br><br>**Amount:** | DTV notification services for medical facilities<br>$2,265.25 |
| Equipment Delivery and Handling Charges | Information not provided. | |
| FCC Filing Fees - Special Temporary Authorization request | Information not provided. | |
| FCC Filing Fees - Form 2100 license to cover application | Information not provided. | |

## Cost Information

### Grand Total

| | Predetermined Cost Estimate | Estimated Cost | Actual Cost |
|---|---|---|---|
| **Total for all systems** | $1,653,181.45 | $1,299,427.70 | $1,031,552.28 |

## 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. | **Kenneth Robinson**<br>*Director of Engineering*<br><br>05/08/2019 |

## 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. | |

## Attachments