



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **6568** | Service: **DTV** | Call **WBGU-TV** | Channel: **22 (UHF)** |
ID:
File **0000027984**
Number:
FRN: **0002914638** | Date **03/10**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|---|--|----------------------|---------------------|----------------------|
| BOWLING GREEN STATE UNIVERSITY | Anthony Short, General Manager 245 TROUP STREET BOWLING GREEN, OH 43402 United States | +1 (419) 372-2700 | ashort@bgsu. 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 |
|--|---------|-------|-------|
| The Preparer is same as the reimbursement contact. | | | |

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 | Purchase/install an aux antenna, a new transmitter (current one cannot be re-used) and we will use a spare transmission line to test our new channel (22) during the phase one testing period. Upon cutover we'll transition the above to permanent 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 | Ultimate |
| | Year | 2003 |
| | Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power Capacity | 10 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 | UXLTE-20 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 7.5 kW |
| | Justification for New Transmitter | Our old Comark transmitter could not be retuned for the new channel (22). |

**Primary
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 | 300 kVA |
| | Rigid Conduit and Wiring | Yes |
| | Size | 2 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 leasehold 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

Information not provided.

Antennas

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

**Primary
Antenna****Add Antenna Information**

| Section | Question | Response |
|---|---|--------------------|
| Existing Antenna Description | Type of change | Retune Existing |
| | Antenna Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is this antenna currently shared with any other stations? | No |
| | Is this 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 | Broadband Panel |
| | Number of Stations Supported | 1 |
| | Number of Panels | 56 |
| | Design power capacity in use | 40.0 % |
| | Lower Limit | 470.00 MHz |

| | |
|---------------------------------|--------------------------|
| Upper Limit | 728.00 MHz |
| Other Antenna Type | N/A |
| ERP: (Effective Radiated Power) | 153.0 kW |
| Manufacturer | Dielectric |
| Model | TUF-04-14 /56 H-I-T-R |
| Year | 2003 |

**Primary
Antenna**

Adjustment to Existing Antenna

| Section | Question | Response |
|--------------------------------|---|----------|
| Sweep Test of Existing Antenna | Do you need a sweep test of existing antenna? | Yes |

**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 | |

**Primary
Antenna**

Other Antenna Cost Not Listed

| Name | Description |
|----------------------|--|
| retune elbox complex | retuning elbox complex for new channel |

**Auxiliary
Antenna****Add Antenna Information**

| Section | Question | Response |
|---|--|-----------------------|
| Existing Antenna Description | Type of change | Purchase New |
| | Antenna Use | Auxiliary (Backup) |
| | Description of Use | Backup antenna |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is this antenna currently shared with any other stations? | No |
| | Is this 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 | Class A |
| | 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) | 61.0 kW |

| | |
|--------------|---------|
| Manufacturer | |
| Model | AL8PLUS |
| Year | 2002 |

**Auxiliary
Antenna****New Antenna Costs**

| Section | Question | Response |
|---|--|---|
| New Antenna Description | Use | Auxiliary (Backup) |
| | Description of Use | Aux/backup antenna to replace existing. Will be used for testing new channel prior to cutover |
| | 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 | Class A |
| | 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) | 137.0 kW |
| Manufacturer | |
| Model | ATC- BCH216M- 22 |
| Year | 2018 |
| Justification for New Antenna | Current auxiliary antenna is not capable of new channel. Will install new auxiliary antenna for testing in phase 1 while not interrupting current channel /service |

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? | Yes |
| 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.

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 | 2 |
| | Length | 1000 feet per run |

Primary Transmission Line **Other Transmission Line Expenses Not Listed**

| Name | Description |
|---------------------------------------|--|
| Primary Line sweep and tuning bullets | Current transmission line is compatible with new channel, just needs swept and tuned |

Auxiliary Transmission Line **Add Transmission Line**

| Section | Question | Response |
|---|--|--|
| Existing Transmission Line Description | Type of change | Utilize Existing |
| | Use | Auxiliary (Backup) |
| | Description of Use | Backup transmission line to side mount antenna |
| | 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 | 1 5/8 inches |
| | Other Diameter | N/A |
| | Segment Length | N/A |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 560 feet per run |

Auxiliary **Other Transmission Line Expenses Not Listed**
Transmission Line Information not provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

| Section | Question | Response |
|--|---|-------------------|
| Existing Tower Description | Type of change | Move Equipment |
| | 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? | Yes |
| Existing Tower Structure Registration | Do you have a tower registration number? | Yes |
| | ASR Number | 1016071 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 41° 08' 12.0" N- |
| | Longitude (NAD83) | 083° 54' 24.0" W- |
| | Overall Structure Height | 1089.55 feet |
| | Support Structure Height | 1030.83 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 727.03 feet |

| | | |
|--|------------------|--|
| | Structure Type | TOWER - Free Standing or Guyed Structure |
| | Tower Owner | BOWLING GREEN STATE UNIVERSITY |
| | Date Constructed | 08/13/2004 |

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? | No |
| | Number of Hours | N/A |
| | Explanation | N/A |
| 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 | No |
| | For Main Facility | Yes |
| | Prepare engineering section of Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | No |
| | 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 | No |
| | For Main Facility | Yes |
| | Prepare and file Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | No |
| | 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 | Yes |
| | RF exposure measurements | Yes |
| | Additional Field Engineering Service | No |
| | Number of Days | N/A |
| | Justification | N/A |

Outside Professional Services Costs **Other Professional Services Expenses Not Listed**

If wireless is 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 | 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 UXLTE-20 | \$445,512.54 | \$438,731.15 | | \$438,806.20 | |
| 2" Rigid Conduit and Wiring (Cost per foot) | \$2,600.00 | \$2,299.48 | N/A | \$2,299.48 | N/A |
| UHF - Liquid Cooled Solid State Transmitter 7.5 kW | <i>\$406,112.54</i> | \$406,112.54 | N/A | \$406,187.59 | Change order costs greater than expected (delivery, final delivery, etc) |
| Transformer 3 phase /480v - 300 KVA | \$36,800.00 | \$30,319.13 | N/A | \$30,319.13 | N/A |
| Sub-total | \$445,512.54 | \$438,731.15 | N/A | \$438,806.20 | N/A |
| Total for all systems | \$1,253,810.73 | \$991,847.20 | N/A | \$618,354.09 | N/A |

Components

| Actual Information | |
|--------------------|-----------|
| Description | File Name |

| | | |
|--|-------------------------------|---|
| 2" Rigid Conduit and Wiring (Cost per foot) | Component Description: | Wiring and supplies |
| | Amount: | \$291.04 |
| | Component Description: | Conduit, wiring and supplies |
| | Amount: | \$1,277.40 |
| | Component Description: | Wiring and supplies |
| | Amount: | \$731.04 |
| UHF - Liquid Cooled Solid State Transmitter 7.5 kW | Component Description: | Cmask 20kw UHF ATSC tuned |
| | Amount: | \$16,065.00 |
| | Component Description: | Hose install - installation and proof services - line 25 of quote |
| | Amount: | \$29,952.00 |
| | Component Description: | Final transmitter tuning with Gates Air |
| | Amount: | \$2,194.94 |
| | Component Description: | Change order - Travel day charge |
| | Amount: | \$3,364.00 |
| | Component Description: | Change order - Charge kit for liquid cooled transmitters |
| | Amount: | \$245.61 |

| | |
|-------------------------------|---------------------------------------|
| Component Description: | Change order - 1 inch piping clamp |
| Amount: | \$58.40 |

| | |
|-------------------------------|--|
| Component Description: | Change order - 90 degree elbow, adapter and transmission line |
| Amount: | \$2,855.11 |

| | |
|-------------------------------|--|
| Component Description: | Change order - insulated pipe clamp and piping clamps |
| Amount: | \$64.62 |

| | |
|-------------------------------|-----------------------------|
| Component Description: | Change order - probe kit |
| Amount: | \$216.45 |

| | |
|-------------------------------|---|
| Component Description: | Transmitter delivery and final tuning |
| Amount: | \$1,506.21 |

| | |
|-------------------------------|--------------------------------|
| Component Description: | Blackmagic Desing Smartview |
| Amount: | \$1,256.30 |

| | |
|-------------------------------|----------------------------------|
| Component Description: | Additional charge for freight |
| Amount: | \$132.00 |

| | |
|-------------------------------|-----------------------------------|
| Component Description: | Change order - cable tray wire |
| Amount: | \$351.52 |

| | |
|-------------------------------|-------------|
| Component Description: | RF load |
| Amount: | \$13,785.91 |

| | |
|-------------------------------|--|
| Component Description: | Boom Forklift to get transmitter off truck |
| Amount: | \$1,022.07 |

| | |
|-------------------------------|--|
| Component Description: | ULXTE-20 High Efficiency Transmitter |
| Amount: | \$243,217.33 |

| | |
|-------------------------------|--|
| Component Description: | Frieght - original estimate was \$3,100.00 |
| Amount: | \$10,216.21 |

| | |
|-------------------------------|----------------------------|
| Component Description: | Transmitter RF plumbing |
| Amount: | \$20,773.63 |

| | |
|-------------------------------|---------------------------------|
| Component Description: | Streamscope ATSC1.0 Analyzer |
| Amount: | \$29,900.00 |

| | |
|-------------------------------|------------------|
| Component Description: | Sencore receiver |
| Amount: | \$2,031.60 |

| | |
|-------------------------------|---|
| Component Description: | Stabiline Automatic Voltage regulator |
| Amount: | \$22,561.28 |

| | |
|-------------------------------|----------------|
| Component Description: | Heat exchanger |
| Amount: | \$4,417.40 |

Transformer 3 phase/480v -
300 KVA

| | |
|-------------------------------|--|
| Component Description: | Various electrical parts for transformer phase |
| Amount: | \$7,046.19 |

| | |
|-------------------------------|---|
| Component Description: | Electricians (Terry, Kerry, Wayne) 30.50 hours @ \$85.00 per hour |
| Amount: | \$2,592.50 |

| | |
|-------------------------------|--|
| Component Description: | Electricians (Terry, Kerry, Wayne) 67 hours @ \$85.00 per hour |
| Amount: | \$5,695.00 |

| | |
|-------------------------------|---|
| Component Description: | Various electrical supplies for transformer phase |
| Amount: | \$451.42 |

| | |
|-------------------------------|---|
| Component Description: | Electrician 4 hours @ \$85.00 per hour. Low ambient control |
| Amount: | \$554.33 |

| | |
|-------------------------------|---|
| Component Description: | Electrical supplies for transformer phase |
| Amount: | \$3,149.68 |

| | |
|-------------------------------|---|
| Component Description: | Electricians (Terry, Kerry, Wayne) 22.50 hours @ \$85.00 per hour |
| Amount: | \$1,912.50 |

| | |
|-------------------------------|---|
| Component Description: | Electricians (Terry, Kerry) 81 hours @ \$85.00 per hour |
| Amount: | \$6,885.00 |

| | |
|-------------------------------|---|
| Component Description: | Various electrical supplies for the transformer phase |
| Amount: | \$2,032.51 |

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 TUF-04-14 /56 H-I-T-R | \$17,080.00 | \$16,750.00 | | \$16,750.00 | |
| retune elbow complex | <i>\$10,350.00</i> | \$10,350.00 | estimated cost of elbow complex retuning | \$10,350.00 | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | \$6,400.00 | N/A |
| Auxiliary Antenna ATC-BCH216M-22 | \$75,987.06 | \$75,657.06 | | \$52,611.06 | |
| UHF - Lower Power, Side Mount, Class A, basic slot antenna, 137 kW input, horizontally polarized | <i>\$24,461.06</i> | \$24,461.06 | Auxiliary antenna from Alive Telecom, plus freight charges - 2nd payment. First payment was approved under wrong item. Installation and delivery costs higher than estimated | \$24,461.06 | Delivery and installation actual higher than estimate |

| | | | | | |
|--|--------------------|--------------|--|--------------|-----|
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | \$6,400.00 | N/A |
| UHF - Lower Power, Side Mount, Class A, basic slot antenna, 60 - 65 kW input, horizontally polarized | \$44,796.00 | \$44,796.00 | ***System Notice: Estimate adjusted and locked because line has been superseded. ***Cost of new aux antenna as current aux antenna isn't compatible with new channel 6-6-18 - added \$500 to the \$45,000 to cover extra shipping charges - see attached Alive Telecom quote | \$21,750.00 | N/A |
| Sub-total | \$93,067.06 | \$92,407.06 | N/A | \$69,361.06 | N/A |
| Total for all systems | \$1,253,810.73 | \$991,847.20 | N/A | \$618,354.09 | N/A |

Components

Actual Information
Description

File Name

| | |
|--|--|
| retune elbox complex | <div> Component Description: Mobilization of crew and labor to adjust antenna /elbow tuners </div> <div> Amount: \$10,350.00 </div> |
| Sweep test of existing antenna | <div> Component Description: Sweep testing of existing top mounted wideband antenna </div> <div> Amount: \$6,400.00 </div> |
| UHF - Lower Power, Side Mount, Class A, basic slot antenna, 137 kW input, horizontally polarized | <div> Component Description: Crane work to unload antenna from semi truck </div> <div> Amount: \$800.00 </div> |
| | <div> Component Description: Antenna and heat exchanger deliver and installation </div> <div> Amount: \$615.06 </div> |
| | <div> Component Description: 2nd payment for antenna - the first payment was approved under the wrong item </div> <div> Amount: \$23,046.00 </div> |
| Sweep test of existing antenna | <div> Component Description: Sweep testing and tuning of new CH22 auxiliary antenna </div> <div> Amount: \$6,400.00 </div> |

| | | |
|--|-------------------------------|--|
| UHF - Lower Power, Side Mount, Class A, basic slot antenna, 60 - 65 kW input, horizontally polarized | | |
| | Component Description: | This is for the 50% down payment for the new auxiliary antenna |
| | Amount: | \$21,750.00 |
| | | |
| | Component Description: | Balance due for antenna |
| | Amount: | \$23,046.00 |

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 | \$4,343.89 | \$4,343.89 | | \$4,343.89 | |
| Primary Line sweep and tuning bullets | \$4,343.89 | \$4,343.89 | N/A | \$4,343.89 | N/A |
| Auxiliary Transmission Line | \$0.00 | \$0.00 | | \$0.00 | |
| Sub-total | \$4,343.89 | \$4,343.89 | N/A | \$4,343.89 | N/A |
| Total for all systems | \$1,253,810.73 | \$991,847.20 | N/A | \$618,354.09 | N/A |

Components

| Actual Information Description | File Name |
|---------------------------------------|--|
| Primary Line sweep and tuning bullets | <div><div>Component Description:</div><div>Additional pieces to connect transmission line to antenna - shipping charges not included in quote</div><div>Amount:</div><div>\$3,393.89</div></div> <div><div>Component Description:</div><div>Primary line sweep test</div><div>Amount:</div><div>\$950.00</div></div> |

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 | \$210,500.00 | \$78,247.70 | | \$78,247.70 | |
| Tall Tower (greater than 500') | \$210,500.00 | \$78,247.70 | N/A | \$78,247.70 | N/A |
| Sub-total | \$210,500.00 | \$78,247.70 | N/A | \$78,247.70 | N/A |
| Total for all systems | \$1,253,810.73 | \$991,847.20 | N/A | \$618,354.09 | N/A |

Components

| Actual Information Description | File Name |
|-----------------------------------|-----------|
|-----------------------------------|-----------|

| | | |
|--------------------------------|-------------------------------|--|
| Tall Tower (greater than 500') | | |
| | Component Description: | Tower services - climb, measure and detail tower. Prepare necessary drawings |
| | Amount: | \$5,575.00 |
| | | |
| | Component Description: | Mobilization of crew to install new auxiliary ch 22 antenna |
| | Amount: | \$64,172.70 |
| | Component Description: | Perform tower structural analysis to test for loading conditions and de-rated ice conditions |
| | Amount: | \$8,500.00 |

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 | \$135,960.00 | \$55,346.53 | | \$24,370.24 | |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00 | \$3,250.00 | Actual time exceeded estimated time by a couple of hours | \$3,023.71 | Time required to complete engineering portion of form 2100 - construction permit greater than original estimation |
| Perform engineering study for new channel assignment and antenna development | \$7,360.00 | \$13,750.00 | Underestimated cost of engineering study | \$13,750.00 | The initial estimate for engineering evaluation was way underestimated. the time of completion the form, was just ballpark this figure |
| Address transition timing and coordination issues w/ other stations and wireless | \$2,630.00 | \$1,946.56 | N/A | \$1,946.56 | N/A |
| Prepare and or review reimbursement form | \$2,630.00 | \$3,137.00 | More time needed to prepare reimbursement form than planned | \$3,137.00 | Reimbursement process took much longer than original estimate |

| | | | | | |
|--|----------------|--------------|-----|--------------|--|
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | \$1,580.00 | \$1,512.97 | N/A | \$1,512.97 | Internal engineering costs greater than estimate |
| RF Exposure Measurements | \$21,050.00 | \$20,000.00 | N/A | N/A | N/A |
| Comprehensive coverage verification via field study, if needed | \$84,200.00 | \$0.00 | 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 | \$0.00 | 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 | \$2,050.00 | \$1,000.00 | N/A | \$1,000.00 | N/A |
| Sub-total | \$135,960.00 | \$55,346.53 | N/A | \$24,370.24 | N/A |
| Total for all systems | \$1,253,810.73 | \$991,847.20 | N/A | \$618,354.09 | N/A |

Components

| Actual Information Description | File Name |
|--|--|
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | <div> Component Description: Engineering portion of FCC form 2100 - construction permit </div> <div> Amount: \$898.71 </div> |
| | <div> Component Description: Preparation of engineering portion of construction permit </div> <div> Amount: \$2,125.00 </div> |
| | <div> Component Description: Internal engineering costs to prepare engineering section of Form 2100 construction permit </div> <div> Amount: \$866.75 </div> |
| | <div> Component Description: Perform tower reinforcing study and report for development of new antenna </div> <div> Amount: \$12,850.00 </div> |
| | <div> Component Description: Perform engineering evaluation for new Channel 22 </div> <div> Amount: \$900.00 </div> |
| | <div> Component Description: xxxx </div> <div> Amount: \$12,850.00 </div> |

| | | | | | | | | | | | | | |
|--|--|--------------------------------------|---|-----------------------|-------------------|--------------------------------------|--|-----------------------|-----------------|--------------------------------------|---|-----------------------|-------------------|
| <p>Address transition timing and coordination issues w/ other stations and wireless</p> | <table> <tr> <td data-bbox="697 100 1011 324"> <p>Component Description:</p> </td><td data-bbox="1011 100 1428 324"> <p>Multi channel Video Programming Distribution notification</p> </td></tr> <tr> <td data-bbox="697 324 1011 459"> <p>Amount:</p> </td><td data-bbox="1011 324 1428 459"> <p>\$1,429.12</p> </td></tr> <tr> <td data-bbox="697 459 1011 725"> <p>Component Description:</p> </td><td data-bbox="1011 459 1428 725"> <p>Develop and air announcements of upcoming channel change</p> </td></tr> <tr> <td data-bbox="697 725 1011 860"> <p>Amount:</p> </td><td data-bbox="1011 725 1428 860"> <p>\$517.44</p> </td></tr> </table> | <p>Component Description:</p> | <p>Multi channel Video Programming Distribution notification</p> | <p>Amount:</p> | <p>\$1,429.12</p> | <p>Component Description:</p> | <p>Develop and air announcements of upcoming channel change</p> | <p>Amount:</p> | <p>\$517.44</p> | | | | |
| <p>Component Description:</p> | <p>Multi channel Video Programming Distribution notification</p> | | | | | | | | | | | | |
| <p>Amount:</p> | <p>\$1,429.12</p> | | | | | | | | | | | | |
| <p>Component Description:</p> | <p>Develop and air announcements of upcoming channel change</p> | | | | | | | | | | | | |
| <p>Amount:</p> | <p>\$517.44</p> | | | | | | | | | | | | |
| <p>Prepare and or review reimbursement form</p> | <table> <tr> <td data-bbox="697 725 1011 949"> <p>Component Description:</p> </td><td data-bbox="1011 725 1428 949"> <p>Prepare and review reimbursement form for change to channel 22</p> </td></tr> <tr> <td data-bbox="697 949 1011 1059"> <p>Amount:</p> </td><td data-bbox="1011 949 1428 1059"> <p>\$3,137.00</p> </td></tr> </table> | <p>Component Description:</p> | <p>Prepare and review reimbursement form for change to channel 22</p> | <p>Amount:</p> | <p>\$3,137.00</p> | | | | | | | | |
| <p>Component Description:</p> | <p>Prepare and review reimbursement form for change to channel 22</p> | | | | | | | | | | | | |
| <p>Amount:</p> | <p>\$3,137.00</p> | | | | | | | | | | | | |
| <p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p> | <table> <tr> <td data-bbox="697 1059 1011 1283"> <p>Component Description:</p> </td><td data-bbox="1011 1059 1428 1283"> <p>Preparation of license application and construction permit</p> </td></tr> <tr> <td data-bbox="697 1283 1011 1417"> <p>Amount:</p> </td><td data-bbox="1011 1283 1428 1417"> <p>\$1,075.00</p> </td></tr> <tr> <td data-bbox="697 1417 1011 1753"> <p>Component Description:</p> </td><td data-bbox="1011 1417 1428 1753"> <p>This is internal engineering costs for preparation of the Form 2100 application</p> </td></tr> <tr> <td data-bbox="697 1753 1011 1986"> <p>Amount:</p> </td><td data-bbox="1011 1753 1428 1986"> <p>\$437.97</p> </td></tr> <tr> <td data-bbox="697 1986 1011 2094"> <p>Component Description:</p> </td><td data-bbox="1011 1986 1428 2094"> <p>Prepare engineering portion of FCC Form 2100</p> </td></tr> <tr> <td data-bbox="697 2094 1011 2201"> <p>Amount:</p> </td><td data-bbox="1011 2094 1428 2201"> <p>\$1,075.00</p> </td></tr> </table> | <p>Component Description:</p> | <p>Preparation of license application and construction permit</p> | <p>Amount:</p> | <p>\$1,075.00</p> | <p>Component Description:</p> | <p>This is internal engineering costs for preparation of the Form 2100 application</p> | <p>Amount:</p> | <p>\$437.97</p> | <p>Component Description:</p> | <p>Prepare engineering portion of FCC Form 2100</p> | <p>Amount:</p> | <p>\$1,075.00</p> |
| <p>Component Description:</p> | <p>Preparation of license application and construction permit</p> | | | | | | | | | | | | |
| <p>Amount:</p> | <p>\$1,075.00</p> | | | | | | | | | | | | |
| <p>Component Description:</p> | <p>This is internal engineering costs for preparation of the Form 2100 application</p> | | | | | | | | | | | | |
| <p>Amount:</p> | <p>\$437.97</p> | | | | | | | | | | | | |
| <p>Component Description:</p> | <p>Prepare engineering portion of FCC Form 2100</p> | | | | | | | | | | | | |
| <p>Amount:</p> | <p>\$1,075.00</p> | | | | | | | | | | | | |
| <p>RF Exposure Measurements</p> | <p>Information not provided.</p> | | | | | | | | | | | | |

| | |
|--|--|
| Comprehensive coverage verification via field study, if needed | 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 - Prepare and File FCC Form 2100 (main), Construction Permit Application | Information not provided. |
| Prepare request for Special Temporary Authorization | <div> <div> Component Description: </div> <div> Prepare engineering report for special temporary authorization </div> </div> <div> <div> Amount: </div> <div> \$1,000.00 </div> </div> |

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 | \$14,701.05 | \$5,601.05 | | \$3,225.00 | |
| MVPD Notification of Channel Change | <i>\$2,151.05</i> | \$2,151.05 | N/A | \$775.00 | The amount estimated is much higher than what our attorney charged us for this service. |
| Develop and air announcement of upcoming channel change | <i>\$500.00</i> | \$500.00 | N/A | \$0.00 | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <i>\$500.00</i> | \$500.00 | N/A | N/A | N/A |
| DTV Medical Facility Notification | \$11,550.00 | \$2,450.00 | N/A | \$2,450.00 | N/A |
| Sub-total | \$14,701.05 | \$5,601.05 | N/A | \$3,225.00 | N/A |
| Total for all systems | \$1,253,810.73 | \$991,847.20 | N/A | \$618,354.09 | N/A |

Components

| Actual Information Description | File Name |
|--------------------------------|-----------|
|--------------------------------|-----------|

| | | |
|--|---|--|
| MVPD Notification of Channel Change | Component Description: Amount: | Attorney fees for MVPD notice \$775.00 |
| | Component Description: Amount: | Internal staff time to compile and send MVPD letters \$1,376.05 |
| | Component Description: Amount: | Attorney services for notifying MPVD 's about channel change \$775.00 |
| Develop and air announcement of upcoming channel change | Component Description: Amount: | Develop and air channel change annoucement \$498.23 |
| Disposal Costs (for equipment and other waste, net of any salvage value) | Information not provided. | |
| DTV Medical Facility Notification | Component Description: Amount: | Medical Notification mailing \$2,450.00 |

| Cost Information | Grand Total | | |
|-----------------------|-----------------------------|----------------|--------------|
| | Predetermined Cost Estimate | Estimated Cost | Actual Cost |
| Total for all systems | \$1,253,810.73 | \$991,847.20 | \$618,354.09 |

| 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 | <p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p> | |
| | | <ol style="list-style-type: none"> 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. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 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.

**Tina
Simon**
*General
Manager*

03/10/2020

| 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 IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733). | |
| | | <ol style="list-style-type: none"> 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. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 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.

| | |
|--|--|
| <p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p> | |
| <p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p> | <p>Tina Simon <i>General Manager</i></p> <p>03/10/2020</p> |

Attachments