



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **9610** | Service: **DTV** | Call **WCBS-TV** | Channel: **36 (UHF)** |
ID: | Sign:
File **0000025981**
Number:
FRN: **0003482189** | Date **07/26**
Submitted: **/2017**

Applicant Information

Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|---|---|-----------------------------|----------------|----------------|
| CBS BROADCASTING INC. Doing Business As: CBS BROADCASTING INC. | Edwin Nass 1725 DeSales STREET NW, Suite 501 WASHINGTON, DC 20036 United States | +1 (202) 457- 4602 | ELNASS@CBS.COM | Corporation |

Reimbursement Contact Information

Reimbursement Contact Name and Information

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

Preparer Contact Information

Preparer Contact Name and Information

| Applicant | Address | Phone | Email |
|---|--|-----------------------|----------------|
| Daniel Ryson , Ryson . <i>Associate Director Spectrum Management</i> CBS | Daniel Ryson 1725 DeSales St., NW Suite 501 Washington, DC 20036 United States | +1 (202) 457- 4518 | dryson@cbs.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. | Yes |
| Briefly describe transition plan | Facility has dual broadband antennas and combiners. One transmitter and combiner will be pretuned to the post-transition channel and enabled at the appropriate time. The other transmitter and combiner will then be retuned. |

Transmitters

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

**Auxiliary
Transmitter****Existing Transmitter Information**

| Section | Question | Response |
|---|--|-----------------------|
| Existing Transmitter Description | Type of change | Purchase New |
| | Use | Auxiliary (Backup) |
| | Description of Use | Alternate Main |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is this transmitter currently shared with another station? | No |
| | Is this transmitter currently in operating condition? | Yes |
| Existing Transmitter Manufacturer and Type | Manufacturer | |
| | Model | Diamond |
| | Year | 2008 |
| | Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power Capacity | 25 kW |

**Auxiliary
Transmitter****New Transmitter Costs**

| Section | Question | Response |
|------------------------|---|---|
| New Transmitter | Use | Auxiliary (Backup) |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | Yes |
| | Manufacturer | |
| | Model | ULXT-80 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 68.5 kW |
| | Justification for New Transmitter | Harris cannot retune existing transmitter. New FCC allocation requires greater TPO than original to maintain proper coverage on new channel. |

**Auxiliary
Transmitter****Other Transmitter Costs**

| Section | Question | Response |
|---------------------------|---------------------------------------|----------|
| Electrical Service | Service Entrance (3 phases 800A 208V) | No |
| | Switchgear (industrial 800 amp) | No |
| | Transformer (480V) | No |
| | | |

| | | |
|--|---|--|
| | Power | N/A |
| | Rigid Conduit and Wiring | No |
| | Size | N/A |
| | Length | N/A |
| | Other Electrical Service | Yes |
| | Description | Install Electrical Power Distribution Including Panel Boards, Cable Tray, Cables, Receptacles, Transformers, and Grounding 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 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 |

Auxiliary
Transmitter

Other Transmitter Cost Not Listed

| Name | Description |
|----------------------------|--|
| Install Transmitter, Racks | Installation of Transmitter Cabinets and Racks. |
| Miscellaneous | General Conditions, Contract Submittals, Documentation, Mobilization, Misc. Installation Materials, Hardware, and Field Testing. |
| Cooling Pumps, Etc. | Install cooling pumps, piping, hoses, heat exchangers. |
| Electrical Accessories | 75 kVA 480v/208V Transformer, Parallel Surge Suppressor |

**Auxiliary
Transmitter****Add Transmitter Information**

| Section | Question | Response |
|---|---|--|
| Existing Transmitter Description | Type of change | Purchase New |
| | Use | Auxiliary (Backup) |
| | Description of Use | Used When Main Site Isn't Available |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is this transmitter currently shared with another station? | No |
| | Is this transmitter currently in operating condition? | Yes |
| Existing Transmitter Manufacturer and Type | Manufacturer | |
| | Model | Diamond |
| | Year | 2002 |
| | Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power Capacity | 10.5 kW |

**Auxiliary
Transmitter****New Transmitter Costs**

| Section | Question | Response |
|------------------------|---|--------------------------------------|
| New Transmitter | Use | Auxiliary (Backup) |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | Yes |
| | Manufacturer | |
| | Model | ULXT-80 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 68.5 kW |
| | Justification for New Transmitter | Please see attached statement. |

**Auxiliary
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 | 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 leasehold improvement? | Yes |
| | Size | 1500.0 square feet |
| Channel 14 Costs | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

**Auxiliary
Transmitter**

Other Transmitter Cost Not Listed

| Name | Description |
|--------------------------|---|
| Transmitter Installation | West Orange, NJ Transmitter Installation. |

**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 | Sigma |
| | Year | 2009 |
| | Type | Inductive Output Tube |
| | IOT Power Type | Two |
| | Power Capacity | 42 kW |

**Primary
Transmitter**

New Transmitter Costs

| Section | Question | Response |
|-----------------|---|---|
| New Transmitter | Use | Primary (Main) |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | Yes |
| | Manufacturer | |
| | Model | ULXT-80 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 68.5 kW |
| | Justification for New Transmitter | Gates /Harris has stipulated that it cannot and will not attempt to retune any IOT transmitters |

**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 | Yes |
| | Description | Install Electrical Power Distribution Including Panel Boards, Cable Tray, Cables, Receptacles, Transformers, and Grounding 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 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

| Name | Description |
|----------------------|--|
| Miscellaneous | General Conditions, Contract Submittals, Documentation, Mobilization, Misc. Installation Materials, Hardware, and Field Testing. |

| | |
|-----------------------------------|--|
| Install Transmitter, Racks | Installation of Transmitter Cabinets and Racks. |
| Cooling Pumps, Etc. | Install cooling pumps, piping, hoses, heat exchangers. |

Antennas

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

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

| Section | Question | Response |
|---|---|--------------------------------------|
| Existing Antenna Description | Type of change | Retune Existing |
| | Antenna Use | Auxiliary (Backup) |
| | Description of Use | When Main Site Isn't Available |
| | Ownership | Leased |
| | Owner | American Tower Corporation |
| | Site | N/A |
| | Is this antenna currently shared with any other stations? | Yes |
| | Is this antenna directional? | Yes |
| | Is antenna in operating condition? | Yes |
| | Is antenna located on or in close proximity to an antenna farm? | No |
| Existing Antenna Manufacturer and Type | Class | Full Power |
| | Mounting | Top Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | Type | Broadband Panel |
| | Number of Stations Supported | 5 |
| | Number of Panels | 34 |

| | |
|---------------------------------|---------------------|
| Design power capacity in use | 7.0 % |
| Lower Limit | 506.00 MHz |
| Upper Limit | 725.00 MHz |
| Other Antenna Type | N/A |
| ERP: (Effective Radiated Power) | 2041.0 kW |
| Manufacturer | Dielectric |
| Model | TUD C5SP-10/34U-2-B |
| Year | 2006 |

Facility ID's and Call Signs of all stations with whom the antenna is shared.

| Facility ID | Call Sign |
|-------------|-----------|
| 47535 | WNBC |
| 22206 | WNYW |
| 73333 | WNJU |
| 74197 | WWOR-TV |

Auxiliary Antenna

Adjustment to Existing Antenna

| Section | Question | Response |
|---------------------------------------|---|----------|
| Sweep Test of Existing Antenna | Do you need a sweep test of existing antenna? | No |

Auxiliary Antenna

Other Antenna Costs

| Section | Question | Response |
|------------------------------------|--|-------------------|
| Combiner for Shared Antenna | Do you need a Combiner for a Shared Antenna? | Yes |
| | Type | Additional Module |
| | | |

| | |
|-----------------------------------|------------|
| Number of channels supported | 1 |
| Frequencies of channels supported | RF channel |
| Frequency | N/A |

Enter a list of RF channel numbers.

| RF Channel Number |
|-------------------|
| 36 |

Auxiliary Antenna

Other Antenna Cost Not Listed

Information not provided.

**Primary
Antenna**

Existing Antenna Information

| Section | Question | Response |
|---|--|-----------------------|
| Existing Antenna Description | Type of change | Lease New |
| | Antenna Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Leased |
| | Owner | Empire State Building |
| | Site | N/A |
| | Is the existing antenna shared with another station or stations? | Yes |
| | 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 | Elliptical |
| | Type | Other |
| | 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 | Composite Antenna |
| | ERP: (Effective Radiated Power) | 284.0 kW |

| | | |
|--|--------------|----------|
| | Manufacturer | |
| | Model | ESBTUF80 |
| | Year | 2008 |

**Facility ID's and Call Signs of
all stations with whom the
antenna is shared.**

| Facility ID | Call Sign |
|-------------|-----------|
| 74197 | WWOR-TV |
| 47535 | WNBC |

Primary Antenna

New Antenna Costs

| Section | Question | Response |
|------------------------------------|--|--------------------|
| New Antenna Description | Use | Primary (Main) |
| | Description of Use | N/A |
| | Change Type | Lease New |
| | Is this a request for upgraded equipment? | No |
| | Ownership | Leased |
| | Owner | Durst Broadcasting |
| | Is antenna shared? | Yes |
| | 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 | Top Mount |
| | Antenna position in stack | Middle |
| | Polarization | Elliptical |
| | Type | Broadband Panel |
| | Number of Stations Supported | 5 |
| | Number of Panels/Bays | 40 |
| | Lower Limit | 470.00 MHz |
| | Upper Limit | 656.00 MHz |
| | Design power capacity in use | 46.0 % |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 455.0 kW |
| | Manufacturer | |
| | Model | PHP40E |

| | |
|-------------------------------|-----------------------|
| Year | 2015 |
| Justification for New Antenna | Please see Statement. |

Primary Antenna

Other Antenna Costs

| Section | Question | Response |
|------------------------------------|---|-------------------|
| Combiner for Shared Antenna | Do you need a Combiner for a Shared Antenna? | Yes |
| | Type | Additional Module |
| | Number of channels supported | 1 |
| | Frequencies of channels supported | RF channel |
| | Frequency | N/A |
| | Do you need a combiner output splitter /switcher for dual feed lines? | No |
| 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 |

Enter a list of RF channel numbers.

RF Channel Number

**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 | Myat |
| | Type | Rigid |
| | Diameter | 8 3/16 inches |
| | Other Diameter | N/A |
| | Segment Length | Broadband |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 165 feet per run |

| Primary Transmission Line | Other Transmission Line Expenses Not Listed |
|---------------------------|---|
| Information not provided. | |

Auxiliary Transmission Line

Add Transmission Line

| Section | Question | Response |
|--|--|----------------------------|
| Existing Transmission Line Description | Type of change | Purchase New |
| | Use | Auxiliary (Backup) |
| | Description of Use | When Main Site Unavailable |
| | 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 | |
| | Type | Rigid |
| | Diameter | 6 1/8 inches |
| | Other Diameter | N/A |
| | Segment Length | 19 1/2 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 65 feet per run |

Auxiliary **New Transmission Line**
Transmission Line **Section**

| Section | Question | Response |
|------------------------------------|---|---|
| New Transmission Line Costs | Use | Auxiliary (Backup) |
| | Description of Use | When Main Site Unavailable |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | 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 | 65 feet per run |
| | Justification for New Transmission Line | Incorrect segment lengths for channel 36. |

Auxiliary **Other Transmission Line Expenses Not Listed**
Transmission Line **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 | Rigid |
| | Diameter | 8 3/16 inches |
| | Segment Length | Broadband |
| | Other Segment Length | |
| | Number of parallel runs | 2 |
| | Length | 165 feet per run |
| | Justification for New Transmission Line | Additional line to feed new main and auxiliary, pre-transition combiner modules. |

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? | No |

**Outside
Professional
Services Costs**

| Section | Question | Response |
|---|--|--|
| Outside Project Management Services | Do you require outside project management services? | Yes |
| | Number of Hours | 250 |
| | Explanation | Company lacks sufficient internal resources. |
| Outside RF consulting Engineering Services | Perform engineering study for new channel assignment and antenna development | Yes |
| | Prepare engineering section of Form FCC Construction Permit Application | Yes |
| | For Auxiliary Facility | Yes |
| | For Main Facility | Yes |
| | Prepare engineering section of Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | Yes |
| | For Main Facility | Yes |
| | Prepare request for Special Temporary Authority | No |
| | Quantity | N/A |
| | Do you have Distributed Transmission System engineering services? | N/A |
| | Critical Facility | N/A |
| | Terrain-Shielded Facility | N/A |
| Attorney and Other Outside Consulting | Prepare and file Form FCC Construction Permit Application | No |

| | | |
|--------------------------------------|--|-----|
| Services | For Auxiliary Facility | N/A |
| | For Main Facility | N/A |
| | Prepare and file Form FCC License to Cover Application | No |
| | For Auxiliary Facility | N/A |
| | For Main Facility | N/A |
| | Prepare request for Special Temporary Authority | No |
| | Quantity | N/A |
| | NEPA Section 106 environmental review | No |
| | Environmental Assessment | No |
| | ASR Modification | No |
| | FAA Consultation (including preparation of FAA Form 7460) | No |
| | Negotiation of Lease and other Matter for Shared Locations | Yes |
| | Prepare or Review FCC Form 399 for Reimbursement | No |
| | 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 | Yes |
| | Additional Field Engineering Service | No |
| | Number of Days | N/A |
| | Justification | N/A |

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

Services 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 | Yes |
| | Non-zoning permits | No |
| | BLM or NFS Coordination | No |
| | FCC Construction Permit Minor Change | No |
| | FCC License to Cover Application | Yes |
| | FCC Special Temporary Authority Application | No |
| Other Miscellaneous Expenses | Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)? | Yes |
| | Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs? | Yes |
| | Does this relocation require Equipment Storage? | No |
| | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change? | No |
| | 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 ULXT-80 | \$2,305,000.00 | \$1,996,420.33 | | \$0.00 | |
| Cooling Pumps, Etc. | <i>\$89,000.00</i> | \$89,000.00 | Please see attached statement. | N/A | N/A |
| Miscellaneous | <i>\$92,000.00</i> | \$92,000.00 | Please see attached statement. | N/A | N/A |
| Other Electrical Service: Install Electrical Power Distribution Including Panel Boards, Cable Tray, Cables, Receptacles, Transformers, and Grounding System. | <i>\$72,500.00</i> | \$72,500.00 | Please see attached statement. | N/A | N/A |
| UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW | \$1,999,000.00 | \$1,690,420.33 | Please see Statement and Attachment 2. | N/A | N/A |
| Install Transmitter, Racks | <i>\$52,500.00</i> | \$52,500.00 | Please see attached statement. | N/A | N/A |
| Auxiliary Transmitter ULXT-80 | \$2,309,226.38 | \$2,000,646.71 | | \$0.00 | |
| Electrical Accessories | <i>\$4,226.38</i> | \$4,226.38 | Please see attached statement. | N/A | N/A |

| | | | | | |
|--|-----------------------|---------------------|---|---------------|-----|
| Cooling Pumps, Etc. | \$89,000.00 | \$89,000.00 | Please see attached statement. | N/A | N/A |
| Install Transmitter, Racks | \$52,500.00 | \$52,500.00 | Please see attached statement. | N/A | N/A |
| Miscellaneous | \$92,000.00 | \$92,000.00 | Please see attached statement. | N/A | N/A |
| Other Electrical Service: Install Electrical Power Distribution Including Panel Boards, Cable Tray, Cables, Receptacles, Transformers, and Grounding System. | \$72,500.00 | \$72,500.00 | Please see attached statement. | N/A | N/A |
| UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW | \$1,999,000.00 | \$1,690,420.33 | Please see attached Statement and Attachment 2. | N/A | N/A |
| Auxiliary Transmitter ULXT-80 | \$2,285,475.00 | \$606,861.17 | | \$0.00 | |
| Transmitter Installation | \$223,875.00 | \$223,875.00 | Please see attached statement. | N/A | N/A |
| Other -- Building Addition Size: 1500.0 | \$10,000.00 | \$10,000.00 | N/A | N/A | N/A |
| Switchgear - industrial 800 amp | \$38,200.00 | \$36,300.00 | N/A | N/A | N/A |
| Service entrance 3 phase/800 amp /208 volt | \$14,400.00 | \$13,700.00 | N/A | N/A | N/A |

| | | | | | |
|--|----------------|----------------|--------------------------------------|--------|-----|
| UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW | \$1,999,000.00 | \$322,986.17 | Please see attached statement. | N/A | N/A |
| Sub-total | \$6,899,701.38 | \$4,603,928.21 | N/A | \$0.00 | N/A |
| Total for all systems | \$7,622,716.38 | \$5,301,703.21 | N/A | \$0.00 | N/A |

Components

Information not provided.

Cost
Information

Antennas

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--|-----------------------------|----------------|------------------------------|-------------|---------------------------|
| Primary Antenna PHP40E | \$90,930.00 | \$86,400.00 | | \$0.00 | |
| UHF - High Power Top Mount Five Station broadband panel antenna elliptically or circularly polarized | <i>\$0.00</i> | \$0.00 | Using Existing Antenna. | N/A | N/A |
| Adding a module to existing combiner (without antenna) | \$84,200.00 | \$80,000.00 | N/A | N/A | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | N/A | N/A |
| Auxiliary Antenna TUD C5SP-10/34U-2-B | \$84,200.00 | \$80,000.00 | | \$0.00 | |
| Adding a module to existing combiner (without antenna) | \$84,200.00 | \$80,000.00 | N/A | N/A | N/A |

| | | | | | |
|--|----------------|----------------|-----|--------|-----|
| UHF - High Power Top Mount Five Station broadband panel antenna horizontally polarized | \$0.00 | \$0.00 | N/A | N/A | N/A |
| Sub-total | \$175,130.00 | \$166,400.00 | N/A | \$0.00 | N/A |
| Total for all systems | \$7,622,716.38 | \$5,301,703.21 | N/A | \$0.00 | 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 | \$131,670.00 | \$125,070.00 | | \$0.00 | |
| Rigid Transmission Line - copper, 8 3/16" broadband | \$131,670.00 | \$125,070.00 | N/A | N/A | N/A |
| Primary Transmission Line | \$0.00 | \$0.00 | | \$0.00 | |
| Auxiliary Transmission Line | \$13,130.00 | \$12,480.00 | | \$0.00 | |
| Rigid Transmission Line - copper, 6 1/8" | \$13,130.00 | \$12,480.00 | N/A | N/A | N/A |
| Sub-total | \$144,800.00 | \$137,550.00 | N/A | \$0.00 | N/A |
| Total for all systems | \$7,622,716.38 | \$5,301,703.21 | N/A | \$0.00 | N/A |

Components

Information not provided.

Cost Information **Tower Equipment and Rigging Costs**
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 | \$83,170.00 | \$79,000.00 | | \$0.00 |
| | RF Exposure Measurements | \$21,050.00 | \$20,000.00 | 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 |
| | Perform engineering study for new channel assignment and antenna development | \$7,360.00 | \$7,000.00 | N/A | N/A 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 |

| | | | | | |
|--|----------------|----------------|-----|--------|-----|
| 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 |
| Attorney Fees - Negotiation of lease and other matters for shared locations | \$4,210.00 | \$4,000.00 | 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 |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00 | \$3,000.00 | N/A | N/A | N/A |
| Sub-total | \$83,170.00 | \$79,000.00 | N/A | \$0.00 | N/A |
| Total for all systems | \$7,622,716.38 | \$5,301,703.21 | N/A | \$0.00 | N/A |

Components

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 | \$228,985.00 | \$228,425.00 | | \$0.00 | |
| DTV Medical Facility Notification | \$11,550.00 | \$11,000.00 | N/A | N/A | N/A |
| MVPD Notification of Channel Change | <i>\$5,000.00</i> | \$5,000.00 | N/A | N/A | N/A |
| Equipment Delivery and Handling Charges | <i>\$25,000.00</i> | \$25,000.00 | N/A | N/A | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <i>\$186,100.00</i> | \$186,100.00 | Please see attached statement. | N/A | N/A |
| FCC Filing Fees - Form 2100 license to cover application | \$335.00 | \$325.00 | N/A | N/A | N/A |
| Local Zoning | <i>\$1,000.00</i> | \$1,000.00 | N/A | N/A | N/A |
| Sub-total | \$228,985.00 | \$228,425.00 | N/A | \$0.00 | N/A |
| Total for all systems | \$7,622,716.38 | \$5,301,703.21 | N/A | \$0.00 | N/A |

Components

Information not provided.

| | | | |
|-------------------------|------------------------------|------------------------------------|-----------------------|
| Cost Information | Grand Total | | |
| | | Predetermined Cost Estimate | Estimated Cost |
| | | | Actual Cost |
| | Total for all systems | \$7,622,716.38 | \$5,301,703.21 |
| | | | \$0.00 |

| | | |
|-----------------------------|--|-----------------|
| 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.

| | |
|---|--|
| <p>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.</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>Andrew J. Siegel <i>Assistant Secretary</i></p> <p>07/26/2017</p> |

Attachments