



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **12499** | Service: **DTV** | Call **WPSG** | Channel: **33 (UHF)** |
ID: | Sign:
File **0000027372**
Number:
FRN: **0003742608** | Date **01/06**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|---|---|-----------------------------|--------------------|----------------|
| PHILADELPHIA TELEVISION STATION WPSG, INC. | Daniel G. Ryson 1725 DESALES ST NW SUITE 501 WASHINGTON, DC 20036 United States | +1 (202) 457- 4074 | DRYSON@CBS. COM | Corporation |
| Doing Business As: | | | | |
| PHILADELPHIA TELEVISION STATION WPSG, INC. | | | | |

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 G Ryson <i>Associate Director of Spectrum Management</i> <i>CBS</i> | Daniel G. Ryson 1725 DeSales Street NW Suite 501 Washington, DC 20036 United States | +1 (202) 457- 4074 | 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 | | New side mount antenna for interim use will be installed on tower ASR 1023152 while new top mount stacked UHF ch 33 antenna is mounted on tower ASR 1035474. |

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 | Sigma CD200P2 |
| | Year | 1999 |
| | Type | Inductive Output Tube |
| | IOT Power Type | Two |
| | Power Capacity | 50 kW |

**Primary
Transmitter**

New Transmitter Costs

| Section | Question | Response |
|-----------------|---|--|
| New Transmitter | Use | Primary (Main) |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | Yes |
| | Manufacturer | |
| | Model | ULXTED-100 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 63.4 kW |
| | Justification for New Transmitter | Manufacturer cannot retune any IOT transmitters (Attachment 1). See Statement and Attachments 7 and 35 for additional justification. A smaller ULXTED-80 is "comparable" under the one power-level step increase policy. |

**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 | Yes |
| | Size | 4 inches |
| | Length | 75.0 feet |
| | Other Electrical Service | Yes |
| | Description | 100 feet each of two-inch and three-inch conduit. |
| HVAC Service | Does the replacement transmitter require HVAC Service? | Yes |
| | Type | Cooling Only |
| | Size | 5 tons |
| | 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 |
|------|-------------|
|------|-------------|

| | |
|----------------------------------|--|
| Electrical Accessories | 150 kVA Transformer and Parallel Surge Suppressor. Required for reliable operation of primary transmitter. See Attachment 19A, Item D. |
| Shipping | Transmitter Shipping. See Attachment 19A, Page 1. |
| RF Accessories, Switching | Various RF Accessories and Inside RF Switching required by repack transmitter. See Attachment 19A, Item C. |

**Interim
Transmitter**

New Transmitter Costs

| Section | Question | Response |
|-----------------|-----------------------------------|---|
| New Transmitter | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Purchase |
| | Manufacturer | |
| | Model | Maxiva ULXTE-40 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 25 kW |
| | Justification for New Transmitter | Interim transmitter for UHF 32 use while main transmitter, antenna, and T/L are replaced for operation on UHF 33. |

**Interim
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 | Yes |
| | Size | 4 inches |
| | | |

| | | |
|--|---|---|
| | Length | 50.0 feet |
| | Other Electrical Service | Yes |
| | Description | One hundred feet each of two-inch and three-inch conduit. |
| HVAC Service | Does the replacement transmitter require HVAC Service? | Yes |
| | Type | Cooling Only |
| | Size | 5 tons |
| | 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 |
| Inside RF System | Is an additional interior RF system required to support this interim transmitter? | Yes |

Interim Transmitter

Other Transmitter Cost Not Listed

| Name | Description |
|-------------------------------|--|
| Electrical Accessories | 150 kVA Transformer and Parallel Surge Suppressor. Required for reliable operation of primary transmitter. See Attachment 4, Item D. |
| Shipping | Transmitter Shipping. See Attachment 4, Page 1. |

RF Accessories

Various RF Accessories required by repack transmitter. See Attachment 4, Item C.

Antennas

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

**Primary
Antenna**

Existing Antenna Information

| Section | Question | Response |
|---|--|--------------------|
| Existing Antenna Description | Type of change | Purchase New |
| | Antenna Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is the existing antenna shared with another station or stations? | No |
| | Is the existing antenna directional? | Yes |
| | Is antenna in operating condition? | Yes |
| | Is antenna located on or in close proximity to an antenna farm? | Yes |
| Existing Antenna Manufacturer and Type | Class | Full Power |
| | Mounting | Top Mount |
| | Antenna position in stack | Bottom |
| | 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) | 800.0 kW |
| | | |

| | |
|--------------|----------------------------|
| Manufacturer | |
| Model | TFU- 26GTH-R- C190SP |
| Year | 1999 |

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? | Yes |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | No |
| | Is antenna directional? | Yes |
| | Will antenna be located on or in close proximity to an antenna farm? | Yes |
| New Antenna Manufacturer and Types | Class | Full Power |
| | Mounting | Top Mount |
| | Antenna position in stack | Top |
| | Polarization | Elliptical |
| | Type | Slotted Coaxial |
| | Number of Stations Supported | N/A |
| | Number of Panels/Bays | N/A |
| | Lower Limit | N/A |
| | Upper Limit | N/A |
| | Design power capacity in use | N/A |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 800.0 kW |
| | Manufacturer | |
| | | |

| | |
|-------------------------------|-------------------------------------|
| Model | TFU-24ETT /VP-R 4C150 |
| Year | 2019 |
| Justification for New Antenna | Existing antenna cannot be retuned. |

Primary Antenna

Other Antenna Costs

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

**Primary
Antenna**

Other Antenna Cost Not Listed

| Name | Description |
|--------------------------------|--|
| Wedding Cake Adapter | Mechanical adapter for top mounting in a stack. See Attachment 5. |
| Feed Through Components | Elbows, cut lengths and hangers required to route transmission line from antenna input through antenna below into tower. See Attachment 5. |

**Interim
Antenna**

New Antenna Costs

| Section | Question | Response |
|--|--|----------------------|
| New Antenna Description | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | No |
| | Is antenna directional? | Yes |
| | Will antenna be located on or in close proximity to an antenna farm? | Yes |
| New Antenna Manufacturer and Type | Class | Full Power |
| | Mounting | Side Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Elliptical |
| | Type | Slotted Coaxial |
| | Number of Stations Supported | N/A |
| | Number of Panels/Bays | N/A |
| | Lower Limit | N/A |
| | Upper Limit | N/A |
| | Design power capacity in use | N/A |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 190.6 kW |
| | Manufacturer | |
| | Model | TFU-16WB /VP C160 |
| | Year | 2018 |

| | | |
|--|-------------------------------|---|
| | Justification for New Antenna | Off site use due to construction of post transition facility. |
|--|-------------------------------|---|

**Interim
Antenna**

Other Antenna Costs

| Section | Question | Response |
|---------------------------------|---|----------|
| 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 an antenna? | Yes |
| Pattern Scatter Analysis | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | Yes |
| Sweep Test | Do you require the sweep testing of transmission line and antenna? | Yes |

**Interim
Antenna**

Other Antenna Cost Not Listed

Information not provided.

Transmission Line

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

Primary
Transmission Line

Existing Transmission Line

| Section | Question | Response |
|---|--|-------------------|
| Existing Transmission Line Description | Type of change | Purchase New |
| | 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 | |
| | 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 | 1241 feet per run |

Primary **New Transmission Line**
Transmission Line

| Section | Question | Response |
|------------------------------------|---|--|
| New Transmission Line Costs | Use | Primary (Main) |
| | Description of Use | N/A |
| | 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 | 19 1/2 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 1386 feet per run |
| | Justification for New Transmission Line | Existing segments incorrect match for new channel. |

Primary **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 | 6 1/8 inches |
| | Segment Length | Broadband |
| | Other Segment Length | |
| | Number of parallel runs | 1 |
| | Length | 800 feet per run |
| | Justification for New Transmission Line | New interim site requires new T/L |

Interim
Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

**Tower
Equipment
And
Rigging
Costs**

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

**Auxiliary
Tower**

Add Tower

| Section | Question | Response |
|---|---|-------------------------|
| Existing Tower Description | Type of change | Modify Existing |
| | Tower Use | Auxiliary (Backup) |
| | Description of Use | Post-Transition Primary |
| | Ownership | Leased |
| | Is this tower consider Complex? | No |
| | Is this tower currently shared with any other stations? | Yes |
| | One or more FM, AM or TV radio broadcaster(s) | Yes |
| | Others Types of Users | No |
| | Is tower documented for structural analysis? | No |
| | Is tower compliant with Rev G? | Yes |
| Existing Tower Structure Registration | Do you have a tower registration number? | Yes |
| | ASR Number | 1035474 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 40° 02' 33.0" N- |
| | Longitude (NAD83) | 075° 14' 32.0" W- |
| | Overall Structure Height | 1276.23 feet |
| | Support Structure Height | 1272.95 feet |
| | | |

| | | |
|--|--|--|
| | Ground Elevation Above Mean Sea Level (AMSL) | 242.78 feet |
| | Structure Type | TOWER - Free Standing or Guyed Structure |
| | Tower Owner | ABC, INC. DBA = WPVI-TV |
| | Date Constructed | 10/23/1998 |

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

| Facility ID | Call Sign | Service |
|-------------|-----------|---------|
| 25453 | KYW-TV | DTV |
| 8616 | WPVI-TV | DTV |

Auxiliary Tower

Tower Modification Costs

| Section | Question | Response |
|----------------------|--|--|
| Engineering Study | Please what type of engineering study is required, if any: | Study needed for undocumented /poorly documented tower |
| Tower Reinforcements | Please select whether tower reinforcements are needed: | No reinforcements needed |

Auxiliary Tower

Tower Rigging Costs

| Section | Question | Response |
|---------|----------|----------|
|---------|----------|----------|

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

**Auxiliary
Tower**

Other Tower Expenses Not Listed

Information not provided.

Auxiliary Tower

Add Tower

| Section | Question | Response |
|--|---|--|
| Existing Tower Description | Type of change | Modify Existing |
| | Tower Use | Auxiliary (Backup) |
| | Description of Use | Interim |
| | Ownership | Leased |
| | Is this tower consider Complex? | |
| | Is this tower currently shared with any other stations? | Yes |
| | One or more FM, AM or TV radio broadcaster(s) | Yes |
| | Others Types of Users | No |
| | Is tower documented for structural analysis? | No |
| | Is tower compliant with Rev G? | Unknown |
| Existing Tower Structure Registration | Do you have a tower registration number? | Yes |
| | ASR Number | 1023152 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 40° 02' 39.0" N- |
| | Longitude (NAD83) | 075° 14' 25.0" W- |
| | Overall Structure Height | 1116.13 feet |
| | Support Structure Height | 1112.85 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 252.29 feet |
| | Structure Type | TOWER - Free Standing or Guyed Structure |
| | | |

| | | |
|--|------------------|-----------------------------|
| | Tower Owner | ABC INC DBA = WPVI-TV |
| | Date Constructed | 01/01/1957 |

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

| Facility ID | Call Sign | Service |
|-------------|-----------|---------|
| 8616 | WPVI-TV | DTV |
| 25453 | KYW-TV | DTV |

Auxiliary Tower

Tower Modification Costs

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

Auxiliary Tower

Tower Rigging Costs

| Section | Question | Response |
|------------------------------|-----------------------------------|----------|
| Tower Rigging Costs | Complex Tower | Other |
| Helicopter Services Required | Are helicopter services required? | No |

**Auxiliary
Tower**

Other Tower Expenses Not Listed
Information not provided.

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 | Leased |
| | Is this tower consider Complex? | Candelabra |
| | Is this tower currently shared with any other stations? | Yes |
| | One or more FM, AM or TV radio broadcaster(s) | Yes |
| | Others Types of Users | No |
| | Is tower documented for structural analysis? | Yes |
| | Is tower compliant with Rev G? | Yes |
| Existing Tower Structure Registration | Do you have a tower registration number? | Yes |
| | ASR Number | 1231524 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 40° 02' 30.1" N- |
| | Longitude (NAD83) | 075° 14' 10.1" W- |
| | Overall Structure Height | 1254.91 feet |
| | Support Structure Height | 1124.00 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 292.98 feet |
| | Structure Type | GTOWER - Guyed Structure Used for Communication Purposes |
| | | |
| | | |

| | | |
|--|------------------|---|
| | Tower Owner | Global Tower, LLC. through American Towers, LLC |
| | Date Constructed | 11/02/2011 |

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

| Facility ID | Call Sign | Service |
|-------------|-----------|---------|
| 7623 | WGTW-TV | DTV |
| 28480 | WPPT | DTV |
| 51434 | WTDY-FM | FM |
| 1283 | WDPN-TV | DTV |
| 12211 | WPPZ-FM | FM |
| 30572 | WPHI-FM | FM |
| 60560 | WUVP-DT | DTV |
| 63153 | WCAU | DTV |
| 9622 | WOGL | FM |
| 51984 | WPPX-TV | DTV |
| 28628 | WIP-FM | FM |
| 65190 | WRTI | FM |
| 74213 | WXTU | FM |

**Primary
Tower**

Tower Modification Costs

| Section | Question | Response |
|---------|----------|----------|
|---------|----------|----------|

| | | |
|-----------------------------|--|--|
| Engineering Study | Please what type of engineering study is required, if any: | Study needed for undocumented /poorly documented tower |
| Tower Reinforcements | Please select whether tower reinforcements are needed: | No reinforcements needed |

Primary Tower

Tower Rigging Costs

| Section | Question | Response |
|-------------------------------------|-----------------------------------|------------|
| Tower Rigging Costs | Complex Tower | Candelabra |
| Helicopter Services Required | Are helicopter services required? | No |

Primary Tower

Other Tower Expenses Not Listed

| Name | Description |
|----------------------------------|--|
| Site Coordination Meeting | Site coordination meetings with tower owner, other broadcasters, contractors, and vendors involved with the site deliveries and construction. See Attachment 9 Line 1-B-1. |
| Tower Project Management | Project management fee from tower owner. Scheduling and management of the timelines and schedules occurring during the repack. See Attachment 9 Line 1-A-1. |
| Structural Engineering | Rigorous Structural analysis to access the structural capacity and modifications needed to accommodate the repacked equipment. See Attachment 9 Line 3-A-1. |

**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 | No |
| | For Main Facility | Yes |
| | Prepare engineering section of Form FCC License to Cover Application | No |
| | For Auxiliary Facility | N/A |
| | For Main Facility | N/A |
| | 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 | No |
| | 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 | No |
| | Additional Field Engineering Service | No |
| | Number of Days | N/A |
| | Justification | N/A |

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

Services 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 | 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 | Yes |
| 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

| Name | | Description |
|---------------------------------------|--|--|
| Interim Bldg. Electrical Contractor | | Interim Building Electrical Contractor. |
| Interim Bldg. Fire Detection | | Interim Building Fire Detection & Suppression System. |
| Interim Bldg. GC and Mech. Contractor | | Interim Building General Contractor and Mechanical Subcontractor |
| STL to Interim Site | | Studio to Transmitter Link Hardware. |
| FCC Filing Fee - STL | | FCC Filing Fee for Studio Transmitter Link Microwave |

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 |
|--|-----------------------------|----------------|--|--------------|---------------------------|
| Interim Transmitter Maxiva ULXTE-40 | \$1,220,343.36 | \$1,045,356.88 | | \$580,037.92 | |
| Shipping | <i>\$7,700.00</i> | \$7,700.00 | Transmitter Shipping. Please see Attachment 4, Page 1. | N/A | N/A |
| RF Accessories | <i>\$78,062.54</i> | \$78,062.54 | RF Accessories Required for Transmitter. Please See Attachment 4, Item C. | \$26,020.85 | N/A |
| Electrical Accessories | <i>\$7,380.82</i> | \$7,380.82 | Transmitter Electrical Accessories. Includes Step-Down Transformer and Surge Suppressor. See Attachment 4, Item D. | \$2,460.27 | N/A |
| UHF inside RF system including switching | \$147,500.00 | \$140,000.00 | N/A | N/A | N/A |
| 5 Ton system | \$20,250.00 | \$19,250.00 | Widely Cost Catalog estimate | N/A | N/A |

| | | | | | |
|---|-----------------------|-----------------------|--|-----------------------|-----|
| Other Electrical Service: One hundred feet each of two-inch and three-inch conduit. | \$7,400.00 | \$7,400.00 | Required to power transmitter equipment. | N/A | N/A |
| 4" Rigid Conduit and Wiring (Cost per foot) | \$5,050.00 | \$4,800.00 | N/A | N/A | N/A |
| UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW | \$947,000.00 | \$780,763.52 | See Attachment 2, Items A, B, and E. | \$551,556.80 | N/A |
| Primary Transmitter ULXTED-100 | \$1,932,170.16 | \$1,930,795.16 | | \$1,631,594.87 | |
| Electrical Accessories | \$15,592.24 | \$15,592.24 | Transmitter Electrical Accessories. Includes Step-Down Transformer and Parallel Surge Suppressor. See Attachment 19A - Item D. | \$15,592.24 | N/A |
| RF Accessories, Switching | \$232,458.05 | \$232,458.05 | RF Accessories and Switchless Combiner. Replaces Similar Existing Combiner. See Attachment 19A Item C. | \$232,458.05 | N/A |

| | | | | | |
|---|-----------------------|----------------|---|--------------|-----|
| Shipping | \$17,300.00 | \$17,300.00 | Transmitter Shipping from Factory. See Attachment 18, Page 1. | N/A | N/A |
| 5 Ton system | \$20,250.00 | \$19,250.00 | Widely Cost Catalog estimate | N/A | N/A |
| Other Electrical Service: 100 feet each of two-inch and three-inch conduit. | \$7,400.00 | \$7,400.00 | 100 feet each of two-inch and three-inch conduit. Widely Cost Catalog pricing used. | N/A | N/A |
| 4" Rigid Conduit and Wiring (Cost per foot) | \$7,575.00 | \$7,200.00 | N/A | N/A | N/A |
| UHF - Liquid Cooled Solid State Transmitter 63.4 kW | \$1,128,755.27 | \$1,128,755.27 | Estimated cost is in addition to already-reimbursed \$502,839.60 from prior transmitter cost category, which is now closed due to change in primary transmitter model number. | \$880,704.98 | N/A |

| | | | | | |
|---|---------------------|----------------|--|----------------|-----|
| UHF - Liquid Cooled Solid State Transmitter 50.6 kW | \$502,839.60 | \$502,839.60 | ***System Notice: Estimate adjusted and locked because line has been superseded. ***This cost is for an IOT transmitter capable of meeting the HPol-only ERP. See Engineering Statement, Attachment 3, and Attachment 7. | \$502,839.60 | N/A |
| Sub-total | \$3,152,513.52 | \$2,976,152.04 | N/A | \$2,211,632.79 | N/A |
| Total for all systems | \$6,735,728.09 | \$5,573,122.58 | N/A | \$3,135,826.56 | N/A |

Components

| Actual Information | |
|--------------------|---|
| Description | File Name |
| Shipping | Information not provided. |
| RF Accessories | <p>Component Description: 1/3 progress payment. Invoice includes cost of transmitter, mask filter, installation, RF Accessories, and Electrical. Only the RF Accessories are shown here.</p> <p>Amount: \$26,020.85</p> |

| | |
|--|--|
| Electrical Accessories | <p>Component Description:</p> <p>1/3 progress payment. Invoice includes cost of transmitter, mask filter, installation, RF Accessories, and Electrical. Only the Electrical Accessories are shown here.</p> <p>Amount:</p> <p>\$2,460.27</p> |
| UHF inside RF system including switching | Information not provided. |
| 5 Ton system | Information not provided. |
| Other Electrical Service: One hundred feet each of two-inch and three-inch conduit. | Information not provided. |
| 4" Rigid Conduit and Wiring (Cost per foot) | Information not provided. |

| | |
|--|---|
| UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW | <div> <div>Component Description:</div> <div>1/3 progress payment. Invoice includes cost of transmitter, mask filter, installation, RF Accessories, and Electrical. Only the transmitter, mask filter, and installation is shown here.</div> </div> <div> <div>Amount:</div> <div>\$260,254.51</div> </div> |
| Electrical Accessories | <div> <div>Component Description:</div> <div>1/3 Down Payment, Interim Transmitter. See Quote Provided as Attachment 4.</div> </div> <div> <div>Amount:</div> <div>\$291,302.29</div> </div> |
| Electrical Accessories | <div> <div>Component Description:</div> <div>Transmitter Progress Payment. See Attachment 36B and Attachment 19A - Revised Transmitter Quote Q-80768.</div> </div> <div> <div>Amount:</div> <div>\$7,569.96</div> </div> |
| Electrical Accessories | <div> <div>Component Description:</div> <div>Transmitter Progress Payment. See Attachment 35B and Attachment 19A - Revised Transmitter Quote Q-80768.</div> </div> <div> <div>Amount:</div> <div>\$8,022.28</div> </div> |

| | |
|---|---|
| RF Accessories, Switching | <div> <div> Component Description: </div> <div> Transmitter Progress Payment. See Attachment 36B and Attachment 19A - Revised Transmitter Quote Q-80768. </div> </div> <div> Amount: </div> <div> \$112,857.41 </div> |
| | <div> <div> Component Description: </div> <div> Transmitter Progress Payment. See Attachment 35B and Attachment 19A - Revised Transmitter Quote Q-80768. </div> </div> <div> Amount: </div> <div> \$119,600.64 </div> |
| Shipping | Information not provided. |
| 5 Ton system | Information not provided. |
| Other Electrical Service: 100 feet each of two-inch and three-inch conduit. | Information not provided. |
| 4" Rigid Conduit and Wiring (Cost per foot) | Information not provided. |

| | |
|---|--|
| UHF - Liquid Cooled Solid State Transmitter 63.4 kW | <div> Component Description: <p>Transmitter Payment Three. See Attachment 36B and Attachment 19A - Revised Transmitter Quote Q-80768.</p> </div> <div> Amount: <p>\$427,578.57</p> </div> |
| UHF - Liquid Cooled Solid State Transmitter 50.6 kW | <div> Component Description: <p>Transmitter Progress Payment. See Attachment 35B and Attachment 19A - Revised Transmitter Quote Q-80768.</p> </div> <div> Amount: <p>\$453,126.41</p> </div> |
| UHF - Liquid Cooled Solid State Transmitter 50.6 kW | <div> Component Description: <p>Transmitter 1/3 Down Payment. See Attachment 19 and Attachment 18 - Revised Transmitter Quote Q-74288.</p> </div> <div> Amount: <p>\$502,839.60</p> </div> |

Cost
Information

Antennas

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--|--------------------------------|-------------------|------------------------------------|-------------|------------------------------|
| Interim Antenna TFU-16WB /VP C160 | \$138,240.00 | \$135,328.00 | | \$0.00 | |
| Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost) | \$5,260.00 | \$5,000.00 | N/A | N/A | N/A |
| Side mount brackets for high power antennas (if not included in antenna base cost) | \$23,150.00 | \$22,000.00 | N/A | N/A | N/A |

| | | | | | |
|--|---------------------|---------------------|---|---------------------|-----|
| UHF - Lower Power Side Mount, One Station antenna . medium power (50- 200 kW), elliptically or circularly polarized | \$103,100.00 | \$101,928.00 | Please see Attachment 8, Line 1. The estimate includes a broadband elbow complex (Attachment 8, Line 3) and excludes vertical polarization cost. | N/A | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | N/A | N/A |
| Primary Antenna TFU-24ETT /VP-R 4C150 | \$357,486.00 | \$263,962.00 | | \$237,565.80 | |
| Wedding Cake Adapter | \$28,050.00 | \$28,050.00 | Required to top mount antenna in a stack. See Attachment 23. | \$25,245.00 | N/A |
| Feed Through Components | \$20,906.00 | \$20,906.00 | Required elbows, cut lengths and hangers to route line from antenna input through antenna below into tower. See Attachment 23. | \$18,815.40 | N/A |

| | | | | | |
|--|----------------|----------------|--|----------------|-----|
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed) | \$12,300.00 | \$10,298.00 | See Attachment 23. | \$9,268.20 | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | See Attachment 5. | \$5,760.00 | N/A |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | \$289,500.00 | \$198,308.00 | See Attachment 23 Line 1 (cost of vertical polarization component subtracted from cost shown.) | \$178,477.20 | N/A |
| Sub-total | \$495,726.00 | \$399,290.00 | N/A | \$237,565.80 | N/A |
| Total for all systems | \$6,735,728.09 | \$5,573,122.58 | N/A | \$3,135,826.56 | N/A |

Components

| Actual Information | |
|--|---------------------------|
| Description | File Name |
| Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost) | Information not provided. |
| Side mount brackets for high power antennas (if not included in antenna base cost) | Information not provided. |
| UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized | Information not provided. |

| | |
|--------------------------------|---|
| Sweep test of existing antenna | Information not provided. |
| Wedding Cake Adapter | <div> <div> Component Description: </div> <div> Invoice includes cost of antenna, upgraded V-Pol, and Wedding Cake Adapter. Only the Wedding Cake Adapter Progress Payment is shown here. </div> </div> <div> <div> Amount: </div> <div> \$12,622.50 </div> </div> <div> <div> Component Description: </div> <div> Invoice includes cost of antenna, upgraded V-Pol, and Wedding Cake Adapter. Only the Wedding Cake Adapter Down Payment is shown here. </div> </div> <div> <div> Amount: </div> <div> \$12,622.50 </div> </div> |

| | |
|--|--|
| Feed Through Components | <div data-bbox="708 174 1374 566"> <p>Component Description: Invoice includes cost of antenna, upgraded V-Pol, and Wedding Cake Adapter. Only the Feed Through Components Progress Payment is shown here.</p> <p>Amount: \$9,407.70</p> </div> <div data-bbox="708 674 1374 1066"> <p>Component Description: Invoice includes cost of antenna, line, and various other components. Only the Feed Through Components Down Payment is shown here.</p> <p>Amount: \$9,407.70</p> </div> |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed) | <div data-bbox="708 1205 1366 1552"> <p>Component Description: Invoice includes cost of antenna, line, and various other components. Only the Elbow Complex Progress Payment is shown here.</p> <p>Amount: \$4,634.10</p> </div> <div data-bbox="708 1659 1366 2007"> <p>Component Description: Invoice includes cost of antenna, line, and various other components. Only the Elbow Complex Down Payment is shown here.</p> <p>Amount: \$4,634.10</p> </div> |

| | | |
|--------------------------------|-------------------------------|--|
| Sweep test of existing antenna | Component Description: | Invoice includes cost of antenna, line, and various other components. Only the Antenna Sweep Progress Payment is shown here. |
| | Amount: | \$2,880.00 |
| | Component Description: | Invoice includes cost of antenna, line, and various other components. Only the Antenna Sweep Down Payment is shown here. |
| | Amount: | \$2,880.00 |

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized

Component Description:

Invoice includes cost of antenna, line, and various other components. Only the comparable antenna down payment is shown here. CBS will not seek reimbursement for the V-Pol upgrade now or in the future.

Amount:

\$89,238.60

Component Description:

Invoice includes cost of antenna, line, and various other components. Only the comparable antenna progress payment is shown here. CBS will not seek reimbursement for the V-Pol upgrade now or in the future.

Amount:

\$89,238.60

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 | \$185,600.00 | \$153,130.60 | | \$0.00 | |
| Rigid Transmission Line - copper, 6 1/8" broadband | \$185,600.00 | \$153,130.60 | See Attachment 8, Line 2. | N/A | N/A |
| Primary Transmission Line | \$279,972.00 | \$190,666.00 | | \$171,599.40 | |
| Rigid Transmission Line - copper, 6 1/8" | \$279,972.00 | \$190,666.00 | See Attachment 5 Line 6. | \$171,599.40 | N/A |
| Sub-total | \$465,572.00 | \$343,796.60 | N/A | \$171,599.40 | N/A |
| Total for all systems | \$6,735,728.09 | \$5,573,122.58 | N/A | \$3,135,826.56 | N/A |

Components

| Actual Information | |
|--|---------------------------|
| Description | File Name |
| Rigid Transmission Line - copper, 6 1/8" broadband | Information not provided. |

Rigid Transmission Line -
copper, 6 1/8"

Component Description:

Invoice includes
cost of antenna,
line, and various
other components.
Only the
Transmission Line
Progress Payment
is shown here.

Amount:

\$85,799.70

Component Description:

Invoice includes
cost of antenna,
line, and various
other components.
Only the
Transmission Line
Down Payment is
shown here.

Amount:

\$85,799.70

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 |
|--|-----------------------------|----------------|--|--------------|---------------------------|
| Auxiliary Tower TOWER | \$236,800.00 | \$191,962.37 | | \$158,412.37 | |
| Tall Tower (greater than 500') | \$210,500.00 | \$179,462.37 | 50% of Antenna and Line Rigging quote (Attachment 38) plus 50% of Tower Ice Bridge quote (Attachment 41) Half of cost is shared with KYW-TV. | \$154,462.37 | N/A |
| Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study | \$26,300.00 | \$12,500.00 | 50% of Widelity Cost Catalog pricing. Half of cost is shared with KYW-TV (Facility ID 25453). | \$3,950.00 | N/A |
| Auxiliary Tower TOWER | \$868,300.00 | \$412,500.00 | | \$8,750.00 | |

| | | | | | |
|--|---------------------|---------------------|---|---------------|-----|
| Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study | \$26,300.00 | \$12,500.00 | 50% of Widelity Cost Catalog pricing. Half of cost is shared with KYW-TV. | \$8,750.00 | N/A |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | \$421,000.00 | \$200,000.00 | 50% of Widelity Cost Catalog pricing. Half of cost is shared with KYW-TV (Facility ID 25453). Tower is complex due to stacked antennas. | N/A | N/A |
| Major tower reinforcement /modifications | \$421,000.00 | \$200,000.00 | 50% of Widelity Cost Catalog pricing. Half of cost is shared with KYW-TV. | N/A | N/A |
| Primary Tower GTOWER | \$456,355.00 | \$199,255.00 | | \$0.00 | |

| | | | | | |
|---------------------------|-------------------|------------|--|-----|-----|
| Site Coordination Meeting | \$1,667.00 | \$1,667.00 | Site coordination meetings with tower owner, other broadcasters, contractors, and vendors involved with the site deliveries and construction. See Attachment 9 Line 1-B-1. | N/A | N/A |
| Tower Project Management | \$2,500.00 | \$2,500.00 | Project management fee from tower owner. Scheduling and management of the timelines and schedules occurring during the repack. See Attachment 9 Line 1-A-1. | N/A | N/A |
| Structural Engineering | \$4,888.00 | \$4,888.00 | Rigorous Structural analysis to access the structural capacity and modifications needed to accommodate the repacked equipment. See Attachment 9 Line 3-A-1. | N/A | N/A |

| | | | | | |
|--|----------------|----------------|---|----------------|-----|
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | \$421,000.00 | \$184,000.00 | Antenna to be removed is the top of a stack on a candelabra. Transmission line to be removed. See Attachment 9 Line 3-C-1. | N/A | N/A |
| Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study | \$26,300.00 | \$6,200.00 | Structural tower mapping to ensure the proper structural information is relayed to engineering for the rigorous structural assessment for the proposed repack equipment. See Attachment 9 line 3-A-1. | \$0.00 | N/A |
| Sub-total | \$1,561,455.00 | \$803,717.37 | N/A | \$167,162.37 | N/A |
| Total for all systems | \$6,735,728.09 | \$5,573,122.58 | N/A | \$3,135,826.56 | N/A |

Components

Actual Information

| Description | File Name |
|-------------|-----------|
|-------------|-----------|

Tall Tower (greater than 500')

Component Description:

Progress payment costs to Install antenna, line, and assist with tuning. Cost is shared 50 /50 with KYW-TV.

Amount:

\$52,275.00

Component Description:

Down payment costs to Install antenna, line, and assist with tuning. Cost is shared 50 /50 with KYW-TV.

Amount:

\$52,275.00

Component Description:

Progress payment to Install ice bridge. Cost is shared 50 /50 with KYW-TV.

Amount:

\$23,070.00

Component Description:

Initial payment to Install ice bridge. Cost is shared 50 /50 (fractional cents rounded down) with KYW-TV.

Amount:

\$26,842.37

| | |
|---|---|
| Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study | <div> <div>Component Description:</div> <div>Invoice is for a 50% Down payment. Because this expense is shared with KYW-TV Facility ID 25453, WPSG seeks reimbursement for only half of the Total Invoice Amount.</div> <div>Amount:</div> <div>\$3,950.00</div> </div> |
| | <div> <div>Component Description:</div> <div>This is a duplicated invoice, which has been superseded by Attachment 10C. Please permanently delete or reject this invoice as an administrative correction.</div> <div>Amount:</div> <div>N/A</div> </div> |
| | <div> <div>Component Description:</div> <div>Invoice is for a 50% Down payment. Because this expense is shared with KYW-TV Facility ID 25453, WPSG seeks reimbursement for only half of the Total Invoice Amount.</div> <div>Amount:</div> <div>\$3,950.00</div> </div> |
| Tower mapping for an undocumented/poorly documented tower and | |

preparation of
documentation necessary
for tower load study

Component Description:

Invoice is for a
50% Down
payment. Because
this expense is
shared with KYW-
TV Facility ID
25453, WPSG
seeks
reimbursement for
only half of the
Total Invoice
Amount.

Amount:

\$4,375.00

Component Description:

Invoice is for a
50% Down
payment. Because
this expense is
shared with KYW-
TV Facility ID
25453, WPSG
seeks
reimbursement for
only half of the
Total Invoice
Amount.

Amount:

\$4,375.00

Component Description:

Invoice is for a
50% Down
payment. Because
this expense is
shared with KYW-
TV Facility ID
25453, WPSG
seeks
reimbursement for
only half of the
Total Invoice
Amount.

Amount:

\$4,375.00

| | |
|---|--|
| | <p>Component Description:</p> <p>This is a duplicated invoice, which has been superseded by Attachment 12C. Please permanently delete or reject this invoice as an administrative correction.</p> <p>Amount:</p> <p>N/A</p> |
| | <p>Component Description:</p> <p>Invoice is for a 50% Down payment. Because this expense is shared with KYW-TV Facility ID 25453, WPSG seeks reimbursement for only half of the Total Invoice Amount.</p> <p>Amount:</p> <p>\$4,375.00</p> |
| | <p>Component Description:</p> <p>This is a duplicated invoice, which has been superseded by Attachment 11C. Please permanently delete or reject this invoice as an administrative correction.</p> <p>Amount:</p> <p>N/A</p> |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | Information not provided. |
| Major tower reinforcement /modifications | Information not provided. |

| | |
|---|---------------------------|
| Site Coordination Meeting | Information not provided. |
| Tower Project Management | Information not provided. |
| Structural Engineering | Information not provided. |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | Information not provided. |
| Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study | 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 | \$58,905.00 | \$55,500.00 | | \$2,550.00 | |
| Attorney Fees - Negotiation of lease and other matters for shared locations | \$4,210.00 | \$4,000.00 | N/A | N/A | N/A |
| Prepare request for Special Temporary Authorization | \$2,050.00 | \$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 | \$1,375.00 | N/A |
| Perform engineering study for new channel assignment and antenna development | \$7,360.00 | \$7,000.00 | N/A | \$1,175.00 | N/A |

| | | | | | |
|--|----------------|----------------|-----|----------------|-----|
| Address transition timing and coordination issues w/ other stations and wireless | \$2,630.00 | \$2,500.00 | N/A | N/A | N/A |
| Project management of the transition | \$39,500.00 | \$37,500.00 | N/A | N/A | N/A |
| Sub-total | \$58,905.00 | \$55,500.00 | N/A | \$2,550.00 | N/A |
| Total for all systems | \$6,735,728.09 | \$5,573,122.58 | N/A | \$3,135,826.56 | N/A |

Components

| Actual Information | |
|--|--|
| Description | File Name |
| Attorney Fees - Negotiation of lease and other matters for shared locations | Information not provided. |
| Prepare request for Special Temporary Authorization | Information not provided. |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | <p>Component Description: Prepare FCC Form 2100 CP Application, Engineering Section.</p> <p>Amount: \$1,375.00</p> |

| | |
|--|--|
| Perform engineering study for new channel assignment and antenna development | <div> Component Description: Further interference study Amount: \$562.50 </div> <div> Component Description: Preliminary interference study. Amount: \$612.50 </div> |
| Address transition timing and coordination issues w/ other stations and wireless | Information not provided. |
| Project management of the transition | 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 | \$1,001,556.57 | \$994,666.57 | | \$345,316.20 | |
| STL to Interim Site | <i>\$99,008.57</i> | \$99,008.57 | Studio-to- Transmitter link equipment, including transmitters, receivers, antennas, waveguide, and frequency coordination, not including Expedite Fees per FCC policy. See Attachments 29 and 31. | \$650.00 | N/A |
| Interim Bldg. GC and Mech. Contractor | <i>\$324,617.50</i> | \$324,617.50 | Interim Building General Contractor and Mechanical Subcontractor. See Attachment 27. Site is to be used by KYW-TV and WPSG so only half of the quoted cost is shown here. | \$129,847.00 | N/A |

| | | | | | |
|--|---------------------|--------------|---|--------------|-----|
| Interim Bldg. Fire Detection | \$75,240.00 | \$75,240.00 | Interim Building Fire Detection and Suppression System. See Attachment 27. Site is to be used by KYW-TV and WPSG so only half of the quoted cost is shown here. | \$30,096.00 | N/A |
| Interim Bldg. Electrical Contractor | \$449,270.50 | \$449,270.50 | Interim Building Electrical Contractor. See Attachment 27. Site is to be used by KYW-TV and WPSG so only half of the quoted cost is shown here. | \$179,708.20 | N/A |
| MVPD Notification of Channel Change | \$1,000.00 | \$1,000.00 | N/A | N/A | N/A |
| Equipment Delivery and Handling Charges | \$15,000.00 | \$15,000.00 | N/A | N/A | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | \$20,000.00 | \$20,000.00 | N/A | N/A | N/A |
| Local Zoning | \$5,000.00 | \$5,000.00 | N/A | N/A | N/A |

| | | | | | |
|---|-----------------|----------------|---|----------------|-----|
| FCC Filing Fees - Special Temporary Authorization request | \$195.00 | \$190.00 | N/A | N/A | N/A |
| FCC Filing Fees - Form 2100 license to cover application | \$335.00 | \$325.00 | N/A | N/A | N/A |
| FCC Filing Fee - STL | \$340.00 | \$340.00 | See FCC Wireless Bureau Fee Filing Guide (Attachment 32) page 19. Two applications required for duplex IP link to interim site. | \$340.00 | N/A |
| DTV Medical Facility Notification | \$11,550.00 | \$4,675.00 | See Quote in Attachment 32. | \$4,675.00 | N/A |
| Sub-total | \$1,001,556.57 | \$994,666.57 | N/A | \$345,316.20 | N/A |
| Total for all systems | \$6,735,728.09 | \$5,573,122.58 | N/A | \$3,135,826.56 | N/A |

Components

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

| | |
|---------------------------------------|---|
| STL to Interim Site | <p>Component Description: Invoice is for frequency coordination of studio transmitter link. The non-reimbursable expedited Service Charge has been excluded.</p> <p>Amount: \$650.00</p> |
| Interim Bldg. GC and Mech. Contractor | <p>Component Description: Invoice is down payment for building General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. This cost is GC and Mech Contractor. Site used by KYW-TV and WPSG so 50% of the quoted cost is shown here.</p> <p>Amount: \$129,847.00</p> |
| Interim Bldg. Fire Detection | <p>Component Description: Invoice is down payment for building General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. This cost is Fire Detection and Suppression. Site used by KYW-TV and WPSG so 50% of the quoted cost is shown here.</p> <p>Amount: \$30,096.00</p> |

| | |
|--|--|
| Interim Bldg. Electrical Contractor | <p>Component Description:</p> <p>Invoice is down payment for building General Contractor, Mech subcontractor, Elec Contractor, and Fire Detection and Suppression. This cost is Elec. Contractor. Site used by KYW-TV and WPSG so 50% of the quoted cost is shown here.</p> <p>Amount:</p> <p>\$179,708.20</p> |
| MVPD Notification of Channel Change | Information not provided. |
| Equipment Delivery and Handling Charges | Information not provided. |
| Disposal Costs (for equipment and other waste, net of any salvage value) | Information not provided. |
| Local Zoning | 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. |
| FCC Filing Fee - STL | <p>Component Description:</p> <p>Please see Attachment 33.</p> <p>Amount:</p> <p>\$170.00</p> <p>Component Description:</p> <p>Please see Attachment 34.</p> <p>Amount:</p> <p>\$170.00</p> |

| | | | | | |
|--------------------------------------|--|-------------------------------|---|----------------|------------|
| DTV Medical Facility Notification | <table><tr><td data-bbox="708 174 1018 210">Component Description:</td><td data-bbox="1153 174 1362 367">Health Care Facility Notification. See quote provided as Attachment 32.</td></tr><tr><td data-bbox="708 376 820 412">Amount:</td><td data-bbox="1153 376 1270 412">\$4,675.00</td></tr></table> | Component Description: | Health Care Facility Notification. See quote provided as Attachment 32. | Amount: | \$4,675.00 |
| Component Description: | Health Care Facility Notification. See quote provided as Attachment 32. | | | | |
| Amount: | \$4,675.00 | | | | |

| | | | |
|-------------------------|------------------------------|------------------------------------|-----------------------|
| Cost Information | Grand Total | | |
| | | Predetermined Cost Estimate | Estimated Cost |
| | | | Actual Cost |
| | Total for all systems | \$6,735,728.09 | \$5,573,122.58 |
| | | | \$3,135,826.56 |

| | | |
|-----------------------------|--|-----------------|
| Reimbursement Status | Question | Response |
| | The facility has ceased operating on its pre-auction channel. | Yes |
| | 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>01/06/2020</p> |

| 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>Andrew J Siegel <i>Assistant Secretary</i></p> <p>01/06/2020</p> |

Attachments