

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **81507** | Service: **DTV** | Call **KPXJ** | Channel: **32 (UHF)** |
 ID: | Sign:
 File **0000028338**
 Number:
 FRN: **0020203246** | Date **07/10**
 Submitted: **/2018**

Applicant Information

Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|--------------------|---------------|----------|----------------|----------------|
| KTBS, LLC | PO Box 44227 | +1 (318) | dcassidy@ktbs. | Limited |
| Doing Business As: | SHREVEPORT, | 861-5800 | com | Liability |
| KTBS, LLC | LA 71134 | | | Company |
| | United States | | | |

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 |
|-----------------------|-----------------------|---------------|-----------------------|
| Samuel Hariton | Sam Hariton | +1 (339) 222- | sam.hariton@widelity. |
| <i>Widelity, Inc.</i> | 4031 University Drive | 8107 | com |
| | Suite 100 | | |
| | Fairfax, VA 22030 | | |
| | United States | | |

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 | KPXJ is planning a direct like-for-like swap on all equipment. KPXJ's new equipment will include upgraded equipment to add VPOL capability. See Narrative for details. |

Transmitters

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

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

| Section | Question | Response |
|---|---|-----------------------|
| Existing Transmitter Description | Type of change | Purchase New |
| | Use | Auxiliary (Backup) |
| | Description of Use | Backup & Interim |
| | 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 | ULXTD-60 |
| | Year | 2016 |
| | Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power Capacity | 34.6 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 | ULXTE-72 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 47.2 kW |
| | Justification for New Transmitter | A replacement transmitter is necessary to maintain KPXJ's current redundancy. |

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

| Section | Question | Response |
|---------------------------|---------------------------------------|----------|
| Electrical Service | Service Entrance (3 phases 800A 208V) | No |
| | Switchgear (industrial 800 amp) | No |
| | Transformer (480V) | Yes |
| | Power | 300 kVA |
| | Rigid Conduit and Wiring | No |
| | Size | N/A |
| | Length | N/A |

| | | |
|--|---|---|
| | Other Electrical Service | Yes |
| | Description | The new auxiliary transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors. |
| 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

Information not provided.

**Primary
Transmitter**

Existing Transmitter Information

| Section | Question | Response |
|---|--|--------------------------|
| Existing Transmitter Description | Type of change | Purchase New |
| | Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is this transmitter currently shared with another station? | No |
| | Is this transmitter currently in operating condition? | Yes |
| Existing Transmitter Manufacturer and Type | Manufacturer | |
| | Model | DCXP-2 Paragon |
| | Year | 2005 |
| | 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 | ULXTE-72 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 47.2 kW |
| | Justification for New Transmitter | The existing transmitter is capable of being retuned, however doing so would require disconnecting the transmitter to have it retuned on site. The retuning process was quoted to take 16 to 20 weeks and during this time the transmitter would be unavailable |

**Primary
Transmitter**

Other Transmitter Costs

| Section | Question | Response |
|--|---|--|
| Electrical Service | Service Entrance (3 phases 800A 208V) | No |
| | Switchgear (industrial 800 amp) | No |
| | Transformer (480V) | Yes |
| | Power | 300 kVA |
| | Rigid Conduit and Wiring | No |
| | Size | N/A |
| | Length | N/A |
| | Other Electrical Service | Yes |
| | Description | The new main transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors. |
| 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 |
|-----------------------------|--|
| Building Reconfiguration | The existing building will need to be reconfigured (walls removed/added) to allow for the new transmitter combiner configuration |
| Combiner 5 ton HVAC | The Combiner will need its own dedicated Cooling only HVAC |
| Relocating Ground equipment | Relocating existing equipment for other stations to make room for new transmitter |

Antennas

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

**Primary
Antenna**

Existing Antenna Information

| Section | Question | Response |
|---|--|--------------------|
| Existing Antenna Description | Type of change | Purchase New |
| | Antenna Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is the existing antenna shared with another station or stations? | No |
| | Is the existing antenna directional? | 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 | Side Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | Type | Slotted Coaxial |
| | Number of Stations Supported | N/A |
| | Number of Panels | N/A |
| | Design power capacity in use | N/A |
| | Lower Limit | N/A |
| | Upper Limit | N/A |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 1000.0 kW |
| | | |

| | |
|--------------|---------------------------|
| Manufacturer | |
| Model | TFU- 30DSC-R S20000 |
| Year | 2006 |

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 | Bottom |
| | 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) | 1000.0 kW |
| | Manufacturer | |
| | | |

| | |
|-------------------------------|---|
| Model | TFU-30DSC /VP-R S200 |
| Year | 2017 |
| Justification for New Antenna | A New antenna is necessary because the existing antenna cannot support the new channel. Additionally, KPXJ needs to replace the un-used bottom-stack antenna at the top of the tower due to structural limitations. |

Primary Antenna

Other Antenna Costs

| Section | Question | Response |
|------------------------------------|---|------------|
| Combiner for Shared Antenna | Do you need a Combiner for a Shared Antenna? | Yes |
| | Type | New |
| | Number of channels supported | 3 |
| | Frequencies of channels supported | RF channel |
| | Frequency | N/A |
| | Do you need a combiner output splitter /switcher for dual feed lines? | Yes |
| 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 |
| 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? | Yes |
| Sweep Test | Do you require the sweep testing of transmission line and antenna? | Yes |

Enter a list of RF channel numbers.

| RF Channel Number |
|-------------------|
| 32 |
| 21 |
| 28 |

Primary Antenna

Other Antenna Cost Not Listed

Information not provided.

**Interim
Antenna**

New Antenna Costs

| Section | Question | Response |
|--|--|-------------------|
| New Antenna Description | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | Yes |
| | Is antenna directional? | No |
| | Will antenna be located on or in close proximity to an antenna farm? | Yes |
| New Antenna Manufacturer and Type | Class | Full Power |
| | Mounting | Side Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | Type | Broadband Slot |
| | Number of Stations Supported | 2 |
| | Number of Panels/Bays | 24 |
| | Lower Limit | 512.00 MHz |
| | Upper Limit | 584.00 MHz |
| | Design power capacity in use | 50.0 % |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 800.0 kW |
| | Manufacturer | |
| | Model | TFU-24WB C160 |
| | Year | 2017 |

| | |
|-------------------------------|---|
| Justification for New Antenna | This broadband antenna will cover KTBS's channel 28, as well both KPXJ's pre-transition channel 21 and post-transition channel 32. This will drastically reduce the risk of delays or risk of KPXJ not being able to transition channels on schedule. |
|-------------------------------|---|

Interim Antenna

Other Antenna Costs

| Section | Question | Response |
|------------------------------------|---|--------------|
| Combiner for Shared Antenna | Do you need a Combiner for a Shared Antenna? | Yes |
| | Type | New |
| | Number of channels supported | 3 |
| | 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? | Yes |
| | Broadband or Single Channel? | B |
| | Feed Line Size | 6 1/8 inches |

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

Enter a list of RF channel numbers.

| RF Channel Number |
|-------------------|
| 21 |
| 28 |
| 32 |

**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 | 4 1/16 inches |
| | Other Diameter | N/A |
| | Segment Length | 20 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 1731 feet per run |

Primary
Transmission Line

New 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? | Yes |
| | 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 | 1760 feet per run |
| | Justification for New Transmission Line | The existing line is not capable of supporting the new channel. Additionally, the new main antenna will be installed in a different location than the existing main antenna. |

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

**Interim
Transmission Line**

New Transmission Line

| Section | Question | Response |
|------------------------------------|---|--|
| New Transmission Line Costs | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Type | Rigid |
| | Diameter | 6 1/8 inches |
| | Segment Length | Broadband |
| | Other Segment Length | |
| | Number of parallel runs | 1 |
| | Length | 1560 feet per run |
| | Justification for New Transmission Line | The interim line is needed to connect the combiner system on the ground with the new interim antenna. The Line needs to support two stations of power as well as be broadband to allow all channel combinations to operate on the same line. |

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

**Tower
Equipment
And
Rigging
Costs**

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

**Primary
Tower**

Existing Tower

| Section | Question | Response |
|---|---|---------------------|
| Existing Tower Description | Type of change | Modify Existing |
| | Tower Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Is this tower consider Complex? | Terrain Constrained |
| | 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? | No |
| Existing Tower Structure Registration | Do you have a tower registration number? | Yes |
| | ASR Number | 1020877 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 32° 41' 08.5" N- |
| | Longitude (NAD83) | 093° 56' 00.6" W- |
| | Overall Structure Height | 1825.77 feet |
| | Support Structure Height | 1822.48 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 249.01 feet |
| | | |

| | |
|------------------|---|
| Structure Type | GTOWER - Guyed Structure Used for Communication Purposes |
| Tower Owner | KTBS, LLC |
| Date Constructed | 06/25/2013 |

**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 |
|-------------|-----------|---------|
| 1304 | KRMD-FM | FM |
| 35652 | KTBS-TV | DTV |

Primary Tower

Tower Modification Costs

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

Primary Tower

Tower Rigging Costs

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

**Primary
Tower**

Other Tower Expenses Not Listed

| Name | Description |
|---------------------|--|
| Field Verifications | Field Verification for Actual mechanicals for existing antennas prior to antenna ordering. |

**Outside
Professional**

| Section | Question | Response |
|---|--|------------------------|
| Services Costs Outside Project Management Services | Do you require outside project management services? | Yes |
| | Number of Hours | 2562 |
| | Explanation | See attached Narrative |
| Outside RF consulting Engineering Services | Perform engineering study for new channel assignment and antenna development | Yes |
| | Prepare engineering section of Form FCC Construction Permit Application | Yes |
| | For Auxiliary Facility | Yes |
| | For Main Facility | Yes |
| | Prepare engineering section of Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | Yes |
| | For Main Facility | Yes |
| | Prepare request for Special Temporary Authority | Yes |
| | Quantity | 2 |
| | Do you have Distributed Transmission System engineering services? | N/A |
| | Critical Facility | N/A |
| | Terrain-Shielded Facility | N/A |
| Attorney and Other Outside Consulting Services | Prepare and file Form FCC Construction Permit Application | Yes |
| | For Auxiliary Facility | No |
| | For Main Facility | Yes |
| | Prepare and file Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | No |

| | | |
|--------------------------------------|--|--|
| | For Main Facility | Yes |
| | Prepare request for Special Temporary Authority | Yes |
| | Quantity | 2 |
| | NEPA Section 106 environmental review | Yes |
| | Environmental Assessment | Yes |
| | ASR Modification | No |
| | FAA Consultation (including preparation of FAA Form 7460) | No |
| | Negotiation of Lease and other Matter for Shared Locations | No |
| | Prepare or Review FCC Form 399 for Reimbursement | Yes |
| | Address transition timing and coordination issues w/ other stations and wireless providers | Yes |
| RF Field Engineering Services | Comprehensive coverage verification via field study | Yes |
| | RF exposure measurements | Yes |
| | Additional Field Engineering Service | Yes |
| | Number of Days | 20 |
| | Justification | Field investigation of tower site and building status will be needed in order to design and scope project. |

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

None were 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 | Yes |
| | 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? | Yes |
| | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change? | Yes |
| | Does this relocation require MVPD Notification of a Channel Change? | Yes |

| | |
|-----------------------|----------------------------------|
| Other Expenses | Other Expenses Not Listed |
| | Information not provided. |

Cost Information

Transmitters

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--|-----------------------------|-----------------------|--|---------------|---------------------------|
| Primary Transmitter ULXTE-72 | \$1,660,383.33 | \$1,956,802.30 | | \$0.00 | |
| Relocating Ground equipment | <i>\$20,000.00</i> | \$20,000.00 | N/A | N/A | N/A |
| Combiner 5 ton HVAC | <i>\$15,333.33</i> | \$15,333.33 | See attached TSG Quote "Sec 1 Main TX" line 63 | N/A | N/A |
| Building Reconfiguration | <i>\$20,000.00</i> | \$20,000.00 | N/A | N/A | N/A |
| 5 Ton system | \$20,250.00 | \$19,250.00 | N/A | N/A | N/A |
| Other Electrical Service: The new main transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors. | <i>\$75,000.00</i> | \$75,000.00 | N/A | N/A | N/A |

| | | | | | |
|---|-----------------------|-----------------------|--|-----------------------|------------|
| Transformer 3 phase/480v - 300 KVA | \$36,800.00 | \$35,000.00 | N/A | N/A | N/A |
| UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW | \$1,473,000.00 | \$1,772,218.97 | See attached TSG Quote "Sec 1 Main TX" | N/A | N/A |
| Auxiliary Transmitter ULXTE-72 | \$1,584,800.00 | \$1,769,583.04 | | \$0.00 | |
| Other Electrical Service: The new auxiliary transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors. | \$75,000.00 | \$75,000.00 | N/A | N/A | N/A |
| Transformer 3 phase/480v - 300 KVA | \$36,800.00 | \$35,000.00 | N/A | N/A | N/A |
| UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW | \$1,473,000.00 | \$1,659,583.04 | See attached TSG Quote "Sec 2 Aux TX" | N/A | N/A |
| Sub-total | \$3,245,183.33 | \$3,726,385.34 | N/A | \$0.00 | N/A |
| Total for all systems | \$7,051,334.33 | \$8,756,969.87 | N/A | \$1,064,689.70 | 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 |
|--|--------------------------------|-------------------|------------------------------------|-------------|------------------------------|
| Interim Antenna TFU-24WB C160 | \$333,040.00 | \$492,768.00 | | \$0.00 | |
| Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost) | \$5,260.00 | \$5,000.00 | N/A | N/A | N/A |
| Side mount brackets for high power antennas (if not included in antenna base cost) | \$23,150.00 | \$22,000.00 | N/A | N/A | N/A |
| Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed) | \$13,700.00 | \$13,000.00 | N/A | N/A | N/A |

| | | | | | |
|--|---------------------|---------------------|-----------------|---------------|-----|
| UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 800 kW input, horizontally polarized | \$200,000.00 | \$200,000.00 | N/A | N/A | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | N/A | N/A |
| New combiner, cost per channel (without antenna) | \$84,200.00 | \$246,368.00 | Based on Quote. | N/A | N/A |
| Primary Antenna TFU-30DSC /VP-R S200 | \$523,990.00 | \$498,100.00 | | \$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 |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed) | \$12,300.00 | \$11,700.00 | N/A | N/A | N/A |

| | | | | | |
|--|----------------|----------------|-----|----------------|-----|
| Combiner output splitting /switching for dual feed lines, if applicable | \$126,000.00 | \$120,000.00 | N/A | N/A | N/A |
| New combiner, cost per channel (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 |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | \$289,500.00 | \$275,000.00 | N/A | \$0.00 | N/A |
| Sub-total | \$857,030.00 | \$990,868.00 | N/A | \$0.00 | N/A |
| Total for all systems | \$7,051,334.33 | \$8,756,969.87 | N/A | \$1,064,689.70 | 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 | \$361,920.00 | \$539,143.35 | | \$0.00 | |
| Rigid Transmission Line - copper, 6 1/8" broadband | \$361,920.00 | \$539,143.35 | See attached TSG "Sec 9 Interim Coax" price quote; | N/A | N/A |
| Primary Transmission Line | \$355,520.00 | \$565,433.18 | | \$0.00 | |
| Rigid Transmission Line - copper, 6 1/8" | \$355,520.00 | \$565,433.18 | See attached TSG "Sec 7 Main Coax" price quote; | N/A | N/A |
| Sub-total | \$717,440.00 | \$1,104,576.53 | N/A | \$0.00 | N/A |
| Total for all systems | \$7,051,334.33 | \$8,756,969.87 | N/A | \$1,064,689.70 | N/A |

Components

Information not provided.

Cost
Information

Tower Equipment and Rigging Costs

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|-----------------------------|----------------|--|----------------|---------------------------|
| Primary Tower GTOWER | \$1,490,600.00 | \$2,224,400.00 | | \$1,015,207.90 | |
| Serious tower reinforcement /modifications | \$1,052,000.00 | \$1,146,540.00 | TCI proposal TCI-17-149E | \$836,974.20 | N/A |
| Structural engineering tower load study for well documented tower | \$12,600.00 | \$12,020.00 | Invoices total this amount. | \$12,020.00 | N/A |
| Field Verifications | \$5,000.00 | \$5,000.00 | N/A | N/A | N/A |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | \$421,000.00 | \$1,060,840.00 | Based on quote from installation Vendor. | \$166,213.70 | N/A |
| Sub-total | \$1,490,600.00 | \$2,224,400.00 | N/A | \$1,015,207.90 | N/A |
| Total for all systems | \$7,051,334.33 | \$8,756,969.87 | N/A | \$1,064,689.70 | N/A |

Components

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

| | | |
|---|--|--|
| Serious tower reinforcement /modifications | <p>Component Description:</p> <p>Amount:</p> <p>Component Description:</p> <p>Amount:</p> <p>Component Description:</p> <p>Amount:</p> | <p>Tower Modification: Engineering, materials, labor services, project management and insurance to preform the complex tower modifications on the 1,693-ft guyed Kline Tower</p> <p>\$286,635.00</p> <p>Tower modification</p> <p>\$28,800.00</p> <p>Tower Modifications</p> <p>\$550,339.20</p> |
| Structural engineering tower load study for well documented tower | <p>Component Description:</p> <p>Amount:</p> <p>Component Description:</p> <p>Amount:</p> <p>Component Description:</p> <p>Amount:</p> | <p>Analysis prepared for one additional Load Case to determine conformance with the ANSI/TIA?EIA Standard 222-G</p> <p>\$1,800.00</p> <p>Second Tower Analysis</p> <p>\$1,800.00</p> <p>Tower Analysis</p> <p>\$8,420.00</p> |
| Field Verifications | Information not provided. | |

| | | |
|---|-------------------------------|---|
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | | |
| | Component Description: | 2. Existing Primary Tower, Complex Tower, Tower Equipment and Rigging, Repack Antenna Installation, Mobilization 25%, |
| | Amount: | \$56,922.50 |
| | Component Description: | Repack Antenna Installation |
| | Amount: | \$109,291.20 |

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 | \$607,001.00 | \$577,550.00 | | \$49,481.80 | |
| Additional Field Engineering Service, 20 Days | <i>\$40,000.00</i> | \$40,000.00 | N/A | N/A | N/A |
| RF Exposure Measurements | \$21,050.00 | \$20,000.00 | N/A | N/A | N/A |
| Comprehensive coverage verification via field study, if needed | \$84,200.00 | \$80,000.00 | N/A | N/A | N/A |
| Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet | \$10,520.00 | \$10,000.00 | N/A | N/A | N/A |
| NEPA Section 106 environmental review, if needed | \$6,310.00 | \$6,000.00 | N/A | N/A | N/A |
| Attorney Fees - Prepare and File request for Special Temporary Authorization | \$7,360.00 | \$7,000.00 | N/A | N/A | N/A |

| | | | | | |
|--|------------|------------|-----|------------|-----|
| Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application | \$2,365.00 | \$2,250.00 | N/A | \$1,475.00 | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | \$5,260.00 | \$5,000.00 | N/A | \$3,500.00 | N/A |
| Prepare request for Special Temporary Authorization | \$4,100.00 | \$3,000.00 | N/A | N/A | N/A |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application | \$1,580.00 | \$1,500.00 | N/A | N/A | N/A |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | \$1,580.00 | \$1,500.00 | N/A | \$375.00 | N/A |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application | \$2,105.00 | \$2,000.00 | N/A | N/A | N/A |

| | | | | | |
|--|----------------|----------------|-----|----------------|-----|
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00 | \$3,000.00 | N/A | \$0.00 | N/A |
| Perform engineering study for new channel assignment and antenna development | \$7,360.00 | \$7,000.00 | N/A | \$0.00 | N/A |
| Project management of the transition | \$404,796.00 | \$384,300.00 | N/A | \$41,631.80 | N/A |
| Prepare and or review reimbursement form | \$2,630.00 | \$2,500.00 | N/A | \$2,500.00 | N/A |
| Address transition timing and coordination issues w/ other stations and wireless | \$2,630.00 | \$2,500.00 | N/A | N/A | N/A |
| Sub-total | \$607,001.00 | \$577,550.00 | N/A | \$49,481.80 | N/A |
| Total for all systems | \$7,051,334.33 | \$8,756,969.87 | N/A | \$1,064,689.70 | N/A |

Components

| Actual Information | |
|---|---------------------------|
| Description | File Name |
| Additional Field Engineering Service, 20 Days | Information not provided. |
| RF Exposure Measurements | Information not provided. |

| | |
|--|---|
| Comprehensive coverage verification via field study, if needed | Information not provided. |
| Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet | Information not provided. |
| NEPA Section 106 environmental review, if needed | Information not provided. |
| Attorney Fees - Prepare and File request for Special Temporary Authorization | Information not provided. |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application | <div> <div> Component Description: </div> <div> Attorney fees to assist with Post Auction Repack </div> </div> <div> <div> Amount: </div> <div> \$950.00 </div> </div> <div> <div> Component Description: </div> <div> Attorney Fees for Regarding Channel Change </div> </div> <div> <div> Amount: </div> <div> \$525.00 </div> </div> |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | <div> <div> Component Description: </div> <div> Attorney Fees associated with Construction Permit </div> </div> <div> <div> Amount: </div> <div> \$3,500.00 </div> </div> |
| Prepare request for Special Temporary Authorization | Information not provided. |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application | Information not provided. |

| | |
|---|--|
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | <p>Component Description: Attorney Fees Associated with FCC Form 399</p> <p>Amount: \$375.00</p> |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application | Information not provided. |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | <p>Component Description: Engineering Work for Construction Permit</p> <p>Amount: \$1,750.00</p> |
| Perform engineering study for new channel assignment and antenna development | <p>Component Description: Engineering RF Analysis</p> <p>Amount: \$650.00</p> |

| | | | | | | | | | | | | | | | | | | | | | |
|--|---|-------------------------------|--|----------------|-------------|-------------------------------|--|----------------|------------|-------------------------------|---|----------------|------------|-------------------------------|--------------------|----------------|----------|-------------------------------|--------------------|----------------|------------|
| Project management of the transition | <table> <tr> <td data-bbox="694 100 1085 291">Component Description:</td><td data-bbox="1085 100 1428 291">Professional services</td></tr> <tr> <td data-bbox="694 291 1085 358">Amount:</td><td data-bbox="1085 291 1428 358">\$35,486.65</td></tr> <tr> <td data-bbox="694 358 1085 548">Component Description:</td><td data-bbox="1085 358 1428 548">Legal services</td></tr> <tr> <td data-bbox="694 548 1085 616">Amount:</td><td data-bbox="1085 548 1428 616">\$1,375.00</td></tr> <tr> <td data-bbox="694 616 1085 806">Component Description:</td><td data-bbox="1085 616 1428 806">Legal services</td></tr> <tr> <td data-bbox="694 806 1085 873">Amount:</td><td data-bbox="1085 806 1428 873">\$1,625.00</td></tr> <tr> <td data-bbox="694 873 1085 1064">Component Description:</td><td data-bbox="1085 873 1428 1064">Project Management</td></tr> <tr> <td data-bbox="694 1064 1085 1137">Amount:</td><td data-bbox="1085 1064 1428 1137">\$375.00</td></tr> <tr> <td data-bbox="694 1064 1085 1137">Component Description:</td><td data-bbox="1085 1064 1428 1137">Project management</td></tr> <tr> <td data-bbox="694 1137 1085 1211">Amount:</td><td data-bbox="1085 1137 1428 1211">\$2,770.15</td></tr> </table> | Component Description: | Professional services | Amount: | \$35,486.65 | Component Description: | Legal services | Amount: | \$1,375.00 | Component Description: | Legal services | Amount: | \$1,625.00 | Component Description: | Project Management | Amount: | \$375.00 | Component Description: | Project management | Amount: | \$2,770.15 |
| Component Description: | Professional services | | | | | | | | | | | | | | | | | | | | |
| Amount: | \$35,486.65 | | | | | | | | | | | | | | | | | | | | |
| Component Description: | Legal services | | | | | | | | | | | | | | | | | | | | |
| Amount: | \$1,375.00 | | | | | | | | | | | | | | | | | | | | |
| Component Description: | Legal services | | | | | | | | | | | | | | | | | | | | |
| Amount: | \$1,625.00 | | | | | | | | | | | | | | | | | | | | |
| Component Description: | Project Management | | | | | | | | | | | | | | | | | | | | |
| Amount: | \$375.00 | | | | | | | | | | | | | | | | | | | | |
| Component Description: | Project management | | | | | | | | | | | | | | | | | | | | |
| Amount: | \$2,770.15 | | | | | | | | | | | | | | | | | | | | |
| Prepare and or review reimbursement form | <table> <tr> <td data-bbox="694 1137 1085 1433">Component Description:</td><td data-bbox="1085 1137 1428 1433">Attorney Fees Associated with Reimbursements</td></tr> <tr> <td data-bbox="694 1433 1085 1500">Amount:</td><td data-bbox="1085 1433 1428 1500">\$625.00</td></tr> <tr> <td data-bbox="694 1500 1085 1792">Component Description:</td><td data-bbox="1085 1500 1428 1792">Attorney fees for Public Notice Reminder and Filings</td></tr> <tr> <td data-bbox="694 1792 1085 1859">Amount:</td><td data-bbox="1085 1792 1428 1859">\$250.00</td></tr> <tr> <td data-bbox="694 1859 1085 2065">Component Description:</td><td data-bbox="1085 1859 1428 2065">Attorney fees for discussing Channel Reassignment, Cores Registration and Form 1876</td></tr> <tr> <td data-bbox="694 2065 1085 2132">Amount:</td><td data-bbox="1085 2065 1428 2132">\$1,625.00</td></tr> </table> | Component Description: | Attorney Fees Associated with Reimbursements | Amount: | \$625.00 | Component Description: | Attorney fees for Public Notice Reminder and Filings | Amount: | \$250.00 | Component Description: | Attorney fees for discussing Channel Reassignment, Cores Registration and Form 1876 | Amount: | \$1,625.00 | | | | | | | | |
| Component Description: | Attorney Fees Associated with Reimbursements | | | | | | | | | | | | | | | | | | | | |
| Amount: | \$625.00 | | | | | | | | | | | | | | | | | | | | |
| Component Description: | Attorney fees for Public Notice Reminder and Filings | | | | | | | | | | | | | | | | | | | | |
| Amount: | \$250.00 | | | | | | | | | | | | | | | | | | | | |
| Component Description: | Attorney fees for discussing Channel Reassignment, Cores Registration and Form 1876 | | | | | | | | | | | | | | | | | | | | |
| Amount: | \$1,625.00 | | | | | | | | | | | | | | | | | | | | |

| | |
|--|---------------------------|
| Address transition timing and coordination issues w/ other stations and wireless | 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 | \$134,080.00 | \$133,190.00 | | \$0.00 | |
| MVPD Notification of Channel Change | <i>\$2,000.00</i> | \$2,000.00 | N/A | \$0.00 | N/A |
| DTV Medical Facility Notification | \$11,550.00 | \$11,000.00 | N/A | N/A | N/A |
| FCC Filing Fees - Form 2100 license to cover application | \$335.00 | \$0.00 | N/A | N/A | N/A |
| FCC Filing Fees - Special Temporary Authorization request | \$195.00 | \$190.00 | N/A | N/A | N/A |
| Local Zoning | <i>\$10,000.00</i> | \$10,000.00 | N/A | N/A | N/A |
| Non-zoning permits | <i>\$5,000.00</i> | \$5,000.00 | N/A | \$0.00 | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <i>\$50,000.00</i> | \$50,000.00 | See attached TSG "Sec 11 Other Expenses" quote, item 9; | N/A | N/A |

| | | | | | |
|---|--------------------|----------------|--|----------------|-----|
| Equipment Delivery and Handling Charges | \$20,000.00 | \$20,000.00 | See attached TSG “Sec 11 Other Expenses” quote, Item 11; | N/A | N/A |
| Equipment Storage | \$20,000.00 | \$20,000.00 | N/A | N/A | N/A |
| Develop and air announcement of upcoming channel change | \$15,000.00 | \$15,000.00 | N/A | N/A | N/A |
| Sub-total | \$134,080.00 | \$133,190.00 | N/A | \$0.00 | N/A |
| Total for all systems | \$7,051,334.33 | \$8,756,969.87 | N/A | \$1,064,689.70 | N/A |

Components

Information not provided.

| Cost Information | Grand Total | | | |
|------------------|-----------------------|-----------------------------|----------------|----------------|
| | | Predetermined Cost Estimate | Estimated Cost | Actual Cost |
| | | | | |
| | Total for all systems | \$7,051,334.33 | \$8,756,969.87 | \$1,064,689.70 |

| 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>Dale E. Cassidy , Cassidy . <i>Chief Engineer</i></p> <p>07/10/2018</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>Dale E. Cassidy <i>Chief Engineer</i></p> <p>07/10/2018</p> |

Attachments