



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **13456** | Service: **DTV** | Call **WPBT** | Channel: **18 (UHF)** |
ID: | Sign:
File **0000026469**
Number:
FRN: **0001822923** | Date **02/11**
Submitted: **/2018**

Applicant Information

Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|--------------------------------|------------------------|----------|------------------------------|----------------|
| South Florida PBS, Inc. | Dolores Sukhdeo | +1 (305) | dsukhdeo@southfloridapbs.org | Not-for-Profit |
| Doing Business As: | 14901 N.E. 20TH AVENUE | 424-4250 | | |
| South Florida PBS, Inc. | MIAMI, FL 33181 | | | |
| | 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 |
|--|---------|-------|-------|
| The Preparer is same as the reimbursement contact. | | | |

Broadcaster Information and Transition Plan

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

| | |
|--|---|
| Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information. | No |
| Briefly describe transition plan | The plan is for WPBT is to replace the existing channel 18 system with a new channel 29 antenna system, transmission line and transmitters. All of the equipment will be owned and operated by SFPBS. See attached narrative. |

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 solid state transmitter for IOT Main |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is this transmitter currently shared with another station? | No |
| | Is this transmitter currently in operating condition? | Yes |
| Existing Transmitter Manufacturer and Type | Manufacturer | |
| | Model | DTT10KSU Magnum Series |
| | Year | 2006 |
| | Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power Capacity | 10 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 | THU9-EVO |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 25.5 kW |
| | Justification for New Transmitter | Interim Main transmitter while permanent Main transmitter facility is constructed on new post auction repack channel (29). Interim transmitter will be re- tuned to new repack channel after the transition. |

**Auxiliary
Transmitter**

Other Transmitter Costs

| Section | Question | Response |
|--|---|--|
| Electrical Service | Service Entrance (3 phases 800A 208V) | No |
| | Switchgear (industrial 800 amp) | No |
| | Transformer (480V) | No |
| | Power | N/A |
| | Rigid Conduit and Wiring | No |
| | Size | N/A |
| | Length | N/A |
| | Other Electrical Service | Yes |
| | Description | New MDP (Main Distribution Panel) 3 phase breakers, disconnects for transmitter transformers, rigid conduit and wiring, J-Boxes for equipment connections and ground straps for equipment. |
| HVAC Service | Does the replacement transmitter require HVAC Service? | No |
| | Type | N/A |
| | Size | N/A |
| | Other Size | N/A |
| Transmitter Building Addition/Modification or Leasehold Improvement | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No |
| | Size | N/A |

| | | |
|-------------------------|--|-----|
| Channel 14 Costs | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

**Auxiliary
Transmitter** **Other Transmitter Cost Not Listed**

| Name | Description |
|---|---|
| Interim Transmitter retuning and commissioning | Costs for retuning and commissioning after transition |
| Auxilliary Transmitter decommissioning | Costs for decommissioning and disposal |

**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 CD2200P2 |
| | Year | 2000 |
| | Type | Inductive Output Tube |
| | IOT Power Type | Two |
| | Power Capacity | 44 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 | THU9-EVO |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 46 kW |
| | Justification for New Transmitter | Our current transmitter manufacture Harris /GatesAir has taken the position that it cannot fully support various discontinued TV transmitter products through the repack. Attached is a letter from GatesAir in support of this. |

**Primary
Transmitter**

Other Transmitter Costs

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

| | | |
|--|---|--|
| Electrical Service | Service Entrance (3 phases 800A 208V) | No |
| | Switchgear (industrial 800 amp) | No |
| | Transformer (480V) | No |
| | Power | N/A |
| | Rigid Conduit and Wiring | No |
| | Size | N/A |
| | Length | N/A |
| | Other Electrical Service | Yes |
| | Description | Reuse existing fuse blocks, Install additional fuse block, disconnects for transmitter transformers, rigid conduit, J-Boxes for equipment connections, wiring and grounding for equipment. |
| HVAC Service | Does the replacement transmitter require HVAC Service? | No |
| | Type | N/A |
| | Size | N/A |
| | Other Size | N/A |
| Transmitter Building Addition/Modification or Leasehold Improvement | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No |
| | Size | N/A |
| Channel 14 Costs | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | | |

| | | |
|--|--|-----|
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

**Primary
Transmitter**

Other Transmitter Cost Not Listed

| Name | Description |
|--|---|
| Harris Sigma CD Transmitter decomissioning and disposal | Decommissioning and disposal of existing Harris Sigma CD transmitter |
| Installation Proposed Non upgraded Transmitter | Installation of non upgraded 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 | Top Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | Type | Slotted Coaxial |
| | Number of Stations Supported | N/A |
| | Number of Panels | N/A |
| | Design power capacity in use | N/A |
| | Lower Limit | N/A |
| | Upper Limit | N/A |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 1000.0 kW |
| | | |

| | |
|--------------|----------------------------|
| Manufacturer | |
| Model | TFU- 24GTH-R P250BNT |
| Year | 2000 |

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

| | |
|-------------------------------|--|
| Model | TFU-18GTH /VP-R P250BNT |
| Year | 2018 |
| Justification for New Antenna | Existing Dielectric TFU- 24GTH-R P250BNT Channel 18 DTV is a single station antenna, which cannot be retuned or modified to operate on our post auction repacked channel 29. |

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

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? | No |
| | Is antenna directional? | No |
| | Will antenna be located on or in close proximity to an antenna farm? | Yes |
| New Antenna Manufacturer and Type | Class | Class A |
| | Mounting | Side Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | Type | Broadband Slot |
| | Number of Stations Supported | 1 |
| | Number of Panels/Bays | 8 |
| | Lower Limit | 470.00 MHz |
| | Upper Limit | 698.00 MHz |
| | Design power capacity in use | 50.0 % |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 76.0 kW |
| | Manufacturer | |
| | Model | TFU-8WB |
| | Year | 2018 |
| | | |

| | | |
|--|-------------------------------|---|
| | Justification for New Antenna | The purchase and installation of a new interim antenna will be a crucial part of WPBT's transition plan. WPBT will temporarily move to the low power interim antenna to continue broadcasting while their Main antenna is uninstalled and substituted |
|--|-------------------------------|---|

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? | No |
| 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 | 0 |
| | Length | 1100 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? | 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 | 1160 feet per run |
| | Justification for New Transmission Line | Existing dielectric 20' rigid 75 OHM Transmission line system is not recommended and considered prohibited per Dielectric catalog at the newly reassigned post auction channel 29. |

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 | Flexible Air |
| | Diameter | 3 inches |
| | Segment Length | N/A |
| | Other Segment Length | |
| | Number of parallel runs | 0 |
| | Length | 1010 feet per run |
| | Justification for New Transmission Line | New interim transmission line and antenna system is required for WPBT's transition plan. In order to ensure a smooth transition and continue broadcasting while the permanent transmission line and antenna are constructed. |

| 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 | 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 | Yes |
| | 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 | 1029604 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 25° 57' 31.0" N- |
| | Longitude (NAD83) | 080° 12' 43.0" W- |
| | Overall Structure Height | 1042.97 feet |
| | Support Structure Height | 981.62 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 6.23 feet |
| | | |

| | | |
|--|------------------|---|
| | Structure Type | GTOWER - Guyed Structure Used for Communication Purposes |
| | Tower Owner | IWG Miami |
| | Date Constructed | 11/25/1977 |

**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 |
|-------------|-----------|---------|
| 40408 | WFEZ | FM |
| 72982 | WHQT | FM |
| 72984 | WFLC | FM |
| 71418 | WEDR | FM |
| 48608 | WPXM-TV | DTV |

Other Types of Users

| Users |
|------------|
| Government |

Primary Tower

Tower Modification Costs

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

**Primary
Tower**

Tower Rigging Costs

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

**Primary
Tower**

Other Tower Expenses Not Listed

Information not provided.

**Outside
Professional Services Costs**

| Section | Question | Response |
|---|--|---|
| Outside Project Management Services | Do you require outside project management services? | Yes |
| | Number of Hours | 80 |
| | Explanation | Outside project management services are required for tower equipment removal and installations as well as tower modifications and rigging planning. This expertise is not available in house. |
| Outside RF consulting Engineering Services | Perform engineering study for new channel assignment and antenna development | Yes |
| | Prepare engineering section of Form FCC Construction Permit Application | Yes |
| | For Auxiliary Facility | Yes |
| | For Main Facility | Yes |
| | Prepare engineering section of Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | Yes |
| | For Main Facility | Yes |
| | Prepare request for Special Temporary Authority | Yes |
| | Quantity | 1 |
| | Do you have Distributed Transmission System engineering services? | N/A |
| | | |

| | | |
|---|--|-----|
| | Critical Facility | N/A |
| | Terrain-Shielded Facility | N/A |
| Attorney and Other Outside Consulting Services | Prepare and file Form FCC Construction Permit Application | Yes |
| | For Auxiliary Facility | Yes |
| | For Main Facility | Yes |
| | Prepare and file Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | Yes |
| | For Main Facility | Yes |
| | Prepare request for Special Temporary Authority | Yes |
| | Quantity | 1 |
| | NEPA Section 106 environmental review | No |
| | Environmental Assessment | No |
| | ASR Modification | No |
| | FAA Consultation (including preparation of FAA Form 7460) | No |
| | Negotiation of Lease and other Matter for Shared Locations | No |
| RF Field Engineering Services | Prepare or Review FCC Form 399 for Reimbursement | Yes |
| | Address transition timing and coordination issues w/ other stations and wireless providers | Yes |
| | 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

| Name | Description |
|-------------|---|
| Site Survey | Site survey to develop a phased transition plan, BOM, equipment placement and electrical requirements and modifications |

Other Expenses

| Section | Question | Response |
|-------------------------------------|--|----------|
| AM Pattern Disturbance | Is an Impact Study needed? | No |
| | Is Remediation needed? | No |
| Facility Expenses | Name | N/A |
| | Other Distributed Transmission System Expenses Not listed | N/A |
| | Name | N/A |
| | Is Notification of a Medical Facility required as a result of DTV broadcasting? | Yes |
| Permit and Filing Costs | Local Zoning | No |
| | Non-zoning permits | No |
| | BLM or NFS Coordination | No |
| | FCC Construction Permit Minor Change | No |
| | FCC License to Cover Application | Yes |
| | FCC Special Temporary Authority Application | Yes |
| Other Miscellaneous Expenses | Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)? | No |
| | Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs? | Yes |
| | Does this relocation require Equipment Storage? | No |
| | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change? | Yes |
| | Does this relocation require MVPD Notification of a Channel Change? | Yes |

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

Cost Information

Transmitters

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--|-----------------------------|---------------------|------------------------------|---------------------|---------------------------|
| Primary Transmitter THU9-EVO | \$1,609,276.04 | \$955,426.04 | | \$256,068.75 | |
| UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW | \$1,473,000.00 | \$819,150.00 | N/A | \$256,068.75 | N/A |
| Harris Sigma CD Transmitter decommissioning and disposal | <i>\$50,370.00</i> | \$50,370.00 | N/A | N/A | N/A |
| Installation Proposed Non upgraded Transmitter | <i>\$59,225.00</i> | \$59,225.00 | N/A | N/A | N/A |
| Other Electrical Service: Reuse existing fuse blocks, Install additional fuse block, disconnects for transmitter transformers, rigid conduit, J-Boxes for equipment connections, wiring and grounding for equipment. | <i>\$26,681.04</i> | \$26,681.04 | N/A | \$0.00 | N/A |
| Auxiliary Transmitter THU9-EVO | \$1,028,829.56 | \$790,126.51 | | \$279,683.68 | |

| | | | | | |
|---|----------------|----------------|-----|--------------|-----|
| Auxilliary Transmitter decommissioning | \$23,575.00 | \$23,575.00 | N/A | \$5,893.75 | N/A |
| UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW | \$947,000.00 | \$708,296.95 | N/A | \$253,830.37 | N/A |
| Interim Transmitter retuning and commissioning | \$38,295.00 | \$38,295.00 | N/A | N/A | N/A |
| Other Electrical Service: New MDP(Main Distribution Panel) 3 phase breakers, disconnects for transmitter transformers, rigid conduit and wiring, J-Boxes for equipment connections and ground straps for equipment. | \$19,959.56 | \$19,959.56 | N/A | \$19,959.56 | N/A |
| Sub-total | \$2,638,105.60 | \$1,745,552.55 | N/A | \$535,752.43 | N/A |
| Total for all systems | \$3,936,150.60 | \$2,577,742.45 | N/A | \$802,652.33 | N/A |

Components

| Actual Information | |
|--|---|
| Description | File Name |
| UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW | <p>Component Description: Down payment 25% Quote 802-009994.7 WPBT Main TX 46kw CH 29</p> <p>Amount: \$256,068.75</p> |

| | |
|--|---|
| Harris Sigma CD Transmitter decomissioning and disposal | Information not provided. |
| Installation Proposed Non upgraded Transmitter | Information not provided. |
| Other Electrical Service: Reuse existing fuse blocks, Install additional fuse block, disconnects for transmitter transformers, rigid conduit, J-Boxes for equipment connections, wiring and grounding for equipment. | Information not provided. |
| Auxilliary Transmitter decommissioning | <div> <div> Component Description: </div> <div> 25% Down payment Quote 802-041755.0 Phase 1 Decommissioning Existing Aux TX </div> </div> <div> <div> Amount: </div> <div> \$5,893.75 </div> </div> |
| UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW | <div> <div> Component Description: </div> <div> 100% Advanced Downpayment Phase 2 - Install new R&S 2 Cabinet Interim Transmitter Quote #802-041757.1 </div> </div> <div> <div> Amount: </div> <div> \$114,792.87 </div> </div> <div> <div> Component Description: </div> <div> Downpayment 25% Quote 802-046428.0 WPBT Aux TX 25.5KW CH 18 </div> </div> <div> <div> Amount: </div> <div> \$139,037.50 </div> </div> |
| Interim Transmitter retuning and commissioning | Information not provided. |

| | | |
|--|---|--|
| Other Electrical Service: New MDP(Main Distribution Panel) 3 phase breakers, disconnects for transmitter transformers, rigid conduit and wiring, J-Boxes for equipment connections and ground straps for equipment. | Component Description: Amount: | First Draw for electrical services Electrical installation of interim TX \$19,959.56 |
|--|---|--|

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-8WB | \$51,655.00 | \$51,325.00 | | \$23,096.25 | |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | \$2,880.00 | N/A |
| UHF - Lower Power, Side Mount, Class A, basic slot antenna, 8 bay,, 76 kW input, horizontally polarized | <i>\$44,925.00</i> | \$44,925.00 | N/A | \$20,216.25 | N/A |
| Primary Antenna TFU-18GTH /VP-R P250BNT | \$308,530.00 | \$210,128.00 | | \$94,557.60 | |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed) | \$12,300.00 | \$10,984.00 | N/A | \$4,942.80 | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | \$2,880.00 | N/A |

| | | | | | |
|--|----------------|----------------|-----|--------------|-----|
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | \$289,500.00 | \$192,744.00 | N/A | \$86,734.80 | N/A |
| Sub-total | \$360,185.00 | \$261,453.00 | N/A | \$117,653.85 | N/A |
| Total for all systems | \$3,936,150.60 | \$2,577,742.45 | N/A | \$802,652.33 | N/A |

Components

| Actual Information | |
|---|--|
| Description | File Name |
| Sweep test of existing antenna | <p>Component Description: 45% down payment for antenna sweep</p> <p>Amount: \$2,880.00</p> |
| UHF - Lower Power, Side Mount, Class A, basic slot antenna, 8 bay,, 76 kW input, horizontally polarized | <p>Component Description: 45% down payment for Aux Antenna</p> <p>Amount: \$20,216.25</p> |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed) | <p>Component Description: 45% down payment for elbow complex</p> <p>Amount: \$4,942.80</p> |

| | |
|--|--|
| Sweep test of existing antenna | Component Description: 45% down payment for main antenna sweep Amount: \$2,880.00 |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | Component Description: 45% down payment for Main antenna Amount: \$86,734.80 |

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 | \$0.00 | \$41,410.40 | | \$6,187.05 | |
| Flexible Air Transmission Line - dielectric, 3" | \$0.00 | \$41,410.40 | This flexible broadband transmission line is required to build out an interim transmission facility while the proposed new transmission facility (Antenna and transmission line) is constructed. | \$6,187.05 | N/A |
| Primary Transmission Line | \$234,320.00 | \$186,720.00 | | \$84,024.00 | |
| Rigid Transmission Line - copper, 6 1/8" | \$234,320.00 | \$186,720.00 | N/A | \$84,024.00 | N/A |
| Sub-total | \$234,320.00 | \$228,130.40 | N/A | \$90,211.05 | N/A |
| Total for all systems | \$3,936,150.60 | \$2,577,742.45 | N/A | \$802,652.33 | N/A |

Components

| Actual Information | | |
|---|-------------------------------|---|
| Description | File Name | |
| Flexible Air Transmission Line - dielectric, 3" | Component Description: | For items 2,3,4 and 6 on the invoice. Jumper, transformer, reducer/ adapter to connect to existing transmission line instead of purchasing new aux transmission line. |
| | Amount: | \$6,187.05 |
| Rigid Transmission Line - copper, 6 1/8" | Component Description: | 45% down payment for main antenna transmission line |
| | Amount: | \$84,024.00 |

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 | \$599,000.00 | \$260,229.00 | | \$37,695.00 | |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | \$421,000.00 | \$230,229.00 | N/A | \$37,695.00 | N/A |
| Minor tower reinforcement /modifications | \$158,000.00 | \$25,000.00 | N/A | N/A | N/A |
| Structural engineering tower load study for a documented tower with candelabra | \$20,000.00 | \$5,000.00 | N/A | N/A | N/A |
| Sub-total | \$599,000.00 | \$260,229.00 | N/A | \$37,695.00 | N/A |
| Total for all systems | \$3,936,150.60 | \$2,577,742.45 | N/A | \$802,652.33 | N/A |

Components

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

| | |
|--|--|
| <p>Complex Tower (includes, for example, those with candelabras and/or stacked antennas)</p> | <p>Component Description:</p> <p>Customer Deposit for Repack - Top Arbor Mount TV Antenna System Replacement Services, as agreed in our proposal #12051701T.</p> <p>Amount:</p> <p>\$37,695.00</p> |
| <p>Minor tower reinforcement /modifications</p> | <p>Information not provided.</p> |
| <p>Structural engineering tower load study for a documented tower with candelabra</p> | <p>Information not provided.</p> |

**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 | \$67,460.00 | \$53,215.00 | | \$21,340.00 | |
| Attorney Fees - Prepare and File request for Special Temporary Authorization | \$3,680.00 | \$2,500.00 | N/A | N/A | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application | \$2,365.00 | \$2,000.00 | N/A | N/A | N/A |
| Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application | \$4,210.00 | \$1,000.00 | N/A | N/A | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | \$5,260.00 | \$3,000.00 | N/A | N/A | N/A |

| | | | | | |
|--|-------------|-------------|---|------------|-----|
| Prepare request for Special Temporary Authorization | \$2,050.00 | \$500.00 | N/A | N/A | N/A |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application | \$1,580.00 | \$500.00 | N/A | N/A | N/A |
| Project management of the transition | \$12,640.00 | \$15,000.00 | 20 additional Program Management hours (Widely) for management to develop our phased planning for the 399 submission and working with our vendors to develop the budgets and timing for the 399 and throughout the project. | \$0.00 | N/A |
| Prepare and or review reimbursement form | \$2,630.00 | \$2,500.00 | N/A | \$1,500.00 | 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 |

| | | | | | |
|---|--------------------|----------------|-----|--------------|-----|
| Perform engineering study for new channel assignment and antenna development | \$7,360.00 | \$3,000.00 | N/A | \$2,875.00 | N/A |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00 | \$2,500.00 | N/A | \$750.00 | N/A |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application | \$2,105.00 | \$1,500.00 | N/A | N/A | N/A |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | \$1,580.00 | \$500.00 | N/A | N/A | N/A |
| Site Survey | \$16,215.00 | \$16,215.00 | N/A | \$16,215.00 | N/A |
| Sub-total | \$67,460.00 | \$53,215.00 | N/A | \$21,340.00 | N/A |
| Total for all systems | \$3,936,150.60 | \$2,577,742.45 | N/A | \$802,652.33 | N/A |

Components

Actual Information
Description

File Name

| | | | | | | | | | |
|--|--|-------------------------------|--|----------------|------------|-------------------------------|--|----------------|------------|
| Attorney Fees - Prepare and File request for Special Temporary Authorization | Information not provided. | | | | | | | | |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application | Information not provided. | | | | | | | | |
| Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application | Information not provided. | | | | | | | | |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | Information not provided. | | | | | | | | |
| 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. | | | | | | | | |
| Project management of the transition | Information not provided. | | | | | | | | |
| Prepare and or review reimbursement form | <table> <tr> <td>Component Description:</td><td>first installment 399 assistance (help to prepare form 399 for filing)</td></tr> <tr> <td>Amount:</td><td>\$1,500.00</td></tr> <tr> <td>Component Description:</td><td>Final Payment to prepare and review Form 399</td></tr> <tr> <td>Amount:</td><td>\$1,000.00</td></tr> </table> | Component Description: | first installment 399 assistance (help to prepare form 399 for filing) | Amount: | \$1,500.00 | Component Description: | Final Payment to prepare and review Form 399 | Amount: | \$1,000.00 |
| Component Description: | first installment 399 assistance (help to prepare form 399 for filing) | | | | | | | | |
| Amount: | \$1,500.00 | | | | | | | | |
| Component Description: | Final Payment to prepare and review Form 399 | | | | | | | | |
| Amount: | \$1,000.00 | | | | | | | | |
| Address transition timing and coordination issues w/ other stations and wireless | Information not provided. | | | | | | | | |

| | | | | | | | | | | | | | |
|--|--|-------------------------------|--|----------------|------------|-------------------------------|--|----------------|------------|-------------------------------|---|----------------|----------|
| Perform engineering study for new channel assignment and antenna development | <table> <tr> <td data-bbox="703 98 1023 226">Component Description:</td><td data-bbox="1158 98 1426 226">Installment, Engineering study work for new channel assignment and antenna development</td></tr> <tr> <td data-bbox="703 226 1023 360">Amount:</td><td data-bbox="1158 226 1426 360">\$1,000.00</td></tr> <tr> <td data-bbox="703 360 1023 495">Component Description:</td><td data-bbox="1158 360 1426 495">installment payment, Engineering study work for new channel assignment and antenna development</td></tr> <tr> <td data-bbox="703 495 1023 629">Amount:</td><td data-bbox="1158 495 1426 629">\$1,500.00</td></tr> <tr> <td data-bbox="703 629 1023 763">Component Description:</td><td data-bbox="1158 629 1426 763">First installment Engineering Study work for new channel assignment and antenna development</td></tr> <tr> <td data-bbox="703 763 1023 898">Amount:</td><td data-bbox="1158 763 1426 898">\$375.00</td></tr> </table> | Component Description: | Installment, Engineering study work for new channel assignment and antenna development | Amount: | \$1,000.00 | Component Description: | installment payment, Engineering study work for new channel assignment and antenna development | Amount: | \$1,500.00 | Component Description: | First installment Engineering Study work for new channel assignment and antenna development | Amount: | \$375.00 |
| Component Description: | Installment, Engineering study work for new channel assignment and antenna development | | | | | | | | | | | | |
| Amount: | \$1,000.00 | | | | | | | | | | | | |
| Component Description: | installment payment, Engineering study work for new channel assignment and antenna development | | | | | | | | | | | | |
| Amount: | \$1,500.00 | | | | | | | | | | | | |
| Component Description: | First installment Engineering Study work for new channel assignment and antenna development | | | | | | | | | | | | |
| Amount: | \$375.00 | | | | | | | | | | | | |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | <table> <tr> <td data-bbox="703 1420 1023 1554">Component Description:</td><td data-bbox="1158 1420 1426 1554">Engineering study work for new channel assignment and antenna development (Form 2100)</td></tr> <tr> <td data-bbox="703 1554 1023 1599">Amount:</td><td data-bbox="1158 1554 1426 1599">\$750.00</td></tr> </table> | Component Description: | Engineering study work for new channel assignment and antenna development (Form 2100) | Amount: | \$750.00 | | | | | | | | |
| Component Description: | Engineering study work for new channel assignment and antenna development (Form 2100) | | | | | | | | | | | | |
| Amount: | \$750.00 | | | | | | | | | | | | |

| | |
|--|--|
| 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), License to Cover Application | Information not provided. |
| Site Survey | <div> <div> Component Description: </div> <div> Payment in full for site survey to develop equipment lists, services, and transition timing for 399 form. </div> </div> <div> <div> Amount: </div> <div> \$16,215.00 </div> </div> |

Cost Information

Other Expenses

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|-----------------------------|-----------------------|------------------------------|---------------------|---------------------------|
| Other Expenses | \$37,080.00 | \$29,162.50 | | \$0.00 | |
| MVPD Notification of Channel Change | <i>\$1,500.00</i> | \$1,500.00 | N/A | N/A | N/A |
| Develop and air announcement of upcoming channel change | <i>\$1,500.00</i> | \$1,500.00 | N/A | N/A | N/A |
| Equipment Delivery and Handling Charges | <i>\$22,000.00</i> | \$22,000.00 | 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 |
| DTV Medical Facility Notification | \$11,550.00 | \$3,647.50 | N/A | N/A | N/A |
| Sub-total | \$37,080.00 | \$29,162.50 | N/A | \$0.00 | N/A |
| Total for all systems | \$3,936,150.60 | \$2,577,742.45 | N/A | \$802,652.33 | N/A |

Components

Information not provided.

| | | | |
|-----------------------------|------------------------------|--|-----------------------|
| Cost Information | Grand Total | | |
| | | Predetermined Cost Estimate | Estimated Cost |
| | | | Actual Cost |
| | Total for all systems | \$3,936,150.60 | \$2,577,742.45 |
| | | | \$802,652.33 |

| | | |
|-----------------------------|--|-----------------|
| 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>Gene H Talley VP <i>Engineering</i></p> <p>02/11/2018</p> |

| Certification | Section | Question | Response |
|---------------|--|--|----------|
| | Submission of Actual Cost Documentation Statements | <p>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).</p> | |
| | | <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>Gene H Talley VP <i>Engineering</i></p> <p>02/11/2018</p> |

Attachments