



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **10976** | Service: **DTV** | Call **WVFX** | Channel:  
ID: | Sign:  
**13 (High VHF)** | File **0000028732**  
Number:  
FRN: **0018223693** | Date **11/30**  
Submitted: **/2020**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>GRAY TELEVISION LICENSEE, LLC</b>	Robert Folliard PO Box 30319 Atlanta, GA 30319 United States	+1 (202) 750-1585	Robert. Folliard@gray. tv	Limited Liability Company

## 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
<b>Samuel Hariton</b> <i>Widely</i>	Samuel Hariton 4031 University Dr Suite 100 Fairfax, VA 22030 United States	+1 (339) 222-8107	sam.hariton@widely.com

**Broadcaster  
Information  
and  
Transition  
Plan**

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	WVFX will be replacing the existing main transmitter, antenna, and transmission line. The station will also be installing a full interim system.

**Transmitters**

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

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	TXU-300D
	Year	2007
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	3 kW

**Primary  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	VAXTE-6R44
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	4.8 kW
	Justification for New Transmitter	Existing Transmitter is Out of Band For ch13 and Mosfets are no longer made.

**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	The new 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.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Heating and Cooling
	Size	5 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	Yes
	Size	654.0 square feet
<b>Channel 14 Costs</b>	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
Primary Transmitter - Other Parts	Primary Transmitter - Other Parts

<b>Tagline Clearance</b>	Tree/Brush Removal for tag line
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**Antennas**

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

**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	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?	No
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	1
	Number of Panels	8
	Design power capacity in use	100.0 %
	Lower Limit	174.00 MHz
	Upper Limit	216.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	30.0 kW



Manufacturer	
Model	SWDDP3-1-3-1/10
Year	2008

## 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?	No
	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?	No
New Antenna Manufacturer and Types	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/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)	30.0 kW
	Manufacturer	
	Model	THV-5A 13-R P220 SM
	Year	2017

	Justification for New Antenna	Lacking documentation for retune viability
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**Primary  
Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Combiner for Shared Antenna</b>	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
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	3 1/8 inches inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Name	Description
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<b>Sweep Existing Transmission Line</b>	Sweep test of existing antenna and transmission line
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**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
<b>New Antenna Manufacturer and Type</b>	Class	Class A
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	1
	Number of Panels/Bays	4
	Lower Limit	174.00 MHz
	Upper Limit	216.00 MHz
	Design power capacity in use	60.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	25.3 kW
	Manufacturer	
	Model	TLS-V4
	Year	2020

	Justification for New Antenna	The tower failed its structural analysis. The station will need to construct a new tower for its final facility. The station will transition to its new channel using an interim facility on its existing tower.
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**Interim  
Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	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
<b>Existing Transmission Line Description</b>	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
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Rigid
	Diameter	3 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	640 feet per run



**Primary**  
**Transmission Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	3 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	650 feet per run
	Justification for New Transmission Line	Existing Line is in 20' sections Ch13 requires 19 1/2' sections.

**Primary**  
**Transmission Line**

**Other Transmission Line Expenses Not Listed**

Name	Description
<b>Primary Transmission Line - Other Parts</b>	Primary Transmission Line - Other Parts

**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?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1034466
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	39° 18' 02.0" N-
	Longitude (NAD83)	080° 20' 36.0" W-
	Overall Structure Height	632.21 feet
	Support Structure Height	600.06 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1359.89 feet

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	Gray Television Group, Inc.
	Date Constructed	10/26/1992

**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:	Major Reinforcements needed

**Primary Tower**

**Tower Rigging Costs**

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	No

**Primary Tower**

**Other Tower Expenses Not Listed**

Name	Description
Tower Mapping	Tower Mapping

**Outside  
Professional**

Section	Question	Response
<b>Services Costs Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	900
	Explanation	Strategic Support
<b>Outside RF consulting Engineering Services</b>	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes

	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	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
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	Yes
	Number of Days	12
	Justification	Tower analysis and review, site survey, interim transmitter drawings and studies, coverage analysis, on-site supervision of labor, etc.

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Attorney Fees - Other Matters	Legal Service

## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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
<b>Permit and Filing Costs</b>	Local Zoning	No
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
<b>Other Miscellaneous Expenses</b>	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	No
	Does this relocation require Equipment Storage?	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**

Name	Description
Security	Site security during transition



## 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
<b>Primary Transmitter VAXTE-6R44</b>	<b>\$212,104.31</b>	<b>\$212,104.31</b>		<b>\$209,110.31</b>	
Tagline Clearance	<i>\$8,560.00</i>	\$8,560.00	See attached Dogwood Tree Service Tagline Clearance Invoice #5620	\$8,560.00	N/A
Primary Transmitter - Other Parts	<i>\$3,989.94</i>	\$3,989.94	Please see DTVPros quote JEHQ1789-01, plus proportional shipping on invoice 434	\$3,989.94	N/A
Other -- Building Addition Size: 654.0	<i>\$17,843.99</i>	\$17,843.99	See attached Underwood General Builders, Inc. Bid Memo dated 10/7/19	\$16,750.00	N/A
Other -- HVAC Service Type: H Size:5 (Other)	<i>\$9,750.00</i>	\$9,750.00	See Jackson Heating & Air proposal 198	\$9,750.00	N/A

High VHF - Air Cooled Solid State Transmitter 4.8 kW	<b>\$161,360.38</b>	\$161,360.38	see Estimated Cost Justification WVFX-180-New Primary Transmitter v0	\$161,360.37	N/A
Other Electrical Service: The new 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.	<b>\$10,600.00</b>	\$10,600.00	N/A	\$8,700.00	N/A
<b>Sub-total</b>	\$212,104.31	\$212,104.31	N/A	\$209,110.31	N/A
<b>Total for all systems</b>	\$1,459,160.54	\$1,447,378.04	N/A	\$423,446.68	N/A

## Components

Actual Information	
Description	File Name
Tagline Clearance	<div> <div>Component Description:</div> <div>Professional Services</div> </div> <div> <div>Amount:</div> <div>\$8,560.00</div> </div>

Primary Transmitter - Other Parts	<b>Component Description:</b> SWITCH ASSEMBLY <b>Amount:</b> \$3,989.94
Other -- Building Addition Size: 654.0	<b>Component Description:</b> Install insulation and plywood on areas of ceiling that were falling down <b>Amount:</b> \$16,750.00
Other -- HVAC Service Type: H Size:5 (Other)	<b>Component Description:</b> CUT AND FRAME THROUGH BUILDING <b>Amount:</b> \$9,750.00
High VHF - Air Cooled Solid State Transmitter 4.8 kW	<b>Component Description:</b> "VAXTE-6R44 Transmitter per Quote Q-77364" <b>Amount:</b> \$17,572.32  <b>Component Description:</b> VAXTE-6R44 Transmitter <b>Amount:</b> \$37,660.42  <b>Component Description:</b> VAXTE-6R44 Transmitter <b>Amount:</b> \$106,127.63
Other Electrical Service: The new 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.	<b>Component Description:</b> Relocated existing transformer from existing pad over 10' to make room for A/C units. <b>Amount:</b> \$8,700.00



## 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
<b>Interim Antenna TLS-V4</b>	<b>\$27,770.00</b>	<b>\$52,293.65</b>		<b>\$0.00</b>	
High-VHF, Low Power, Class A broadband panel (cost per panel), horizontally polarized	\$21,040.00	\$45,893.65	Please see DTVPros Interim Antenna Quote JEHQ1775, plus actual shipping charges on invoice 425	\$0.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Please see DTVPros Interim Antenna Quote JEHQ1775	\$0.00	N/A
<b>Primary Antenna THV-5A 13-R P220 SM</b>	<b>\$197,295.00</b>	<b>\$186,839.00</b>		<b>\$0.00</b>	
Sweep Existing Transmission Line	<i>\$3,009.00</i>	\$3,009.00	See attached invoice for sweep test of existing antenna and transmission line	\$0.00	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$13,600.00	N/A	N/A	N/A
High VHF - High Power Side Mount One Station horizontally polarized	<b>\$156,806.00</b>	\$156,806.00	DTVPros quote JEHQ1264-01	N/A	N/A
Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	\$7,600.00	\$7,024.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
<b>Sub-total</b>	\$225,065.00	\$239,132.65	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$1,459,160.54	\$1,447,378.04	N/A	\$423,446.68	N/A

## Components

Actual Information	
Description	File Name
High-VHF, Low Power, Class A broadband panel (cost per panel), horizontally polarized	<p><b>Component Description:</b> VHF - MED POWER SIDE MOUNT INTERIM</p> <p><b>Amount:</b> \$45,893.65</p>

Sweep test of existing antenna	<p><b>Component Description:</b> WVFX-280-Sweep Test Interim Antenna</p> <p><b>Amount:</b> \$6,400.00</p>
Sweep Existing Transmission Line	<p><b>Component Description:</b> transmission line and antenna inspection</p> <p><b>Amount:</b> \$3,009.00</p>
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.
High VHF - High Power Side Mount One Station horizontally polarized	Information not provided.
Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	Information not provided.
Sweep test of existing antenna	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
Primary Transmission Line	\$71,901.14	\$68,301.14		\$4,301.14	
Primary Transmission Line - Other Parts	\$4,301.14	\$4,301.14	Please see DTVPros quote JEHQ1789-01, plus proportional shipping on invoice 434	\$4,301.14	N/A
Rigid Transmission Line - copper, 3 1/8"	\$67,600.00	\$64,000.00	Catalog Cost	N/A	N/A
Sub-total	\$71,901.14	\$68,301.14	N/A	\$4,301.14	N/A
Total for all systems	\$1,459,160.54	\$1,447,378.04	N/A	\$423,446.68	N/A

Components

Actual Information	
Description	File Name
Primary Transmission Line - Other Parts	<div>Component Description: WVFX-310-Primary Transmission Line - Other Parts</div> <div>Amount: \$4,301.14</div>
Rigid Transmission Line - copper, 3 1/8"	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 TOWER	\$661,850.00	\$652,850.00		\$48,627.25	
Tower Mapping	<i>\$17,750.00</i>	\$17,750.00	Per Hodge Structural Engineers Tower Mapping POs 7174 & 7174-1	\$7,000.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	\$0.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$35,100.00	see Estimated Cost Justification WVFX-410- Structural analysis Existing Primary Tower v2	\$29,100.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	\$12,527.25	N/A
Sub-total	\$661,850.00	\$652,850.00	N/A	\$48,627.25	N/A
Total for all systems	\$1,459,160.54	\$1,447,378.04	N/A	\$423,446.68	N/A

Components

Actual Information	
Description	File Name

Tower Mapping	<div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> WVFX-410-Tower Mapping Existing Primary Tower  \$3,500.00 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> WVFX-410-Tower Mapping Existing Primary Tower  \$3,500.00 </div> </div>
Major tower reinforcement /modifications	Information not provided.

Structural engineering tower  
load study for well  
documented tower

**Component Description:** Feasibility  
Analysis and  
Reinforcing  
Design, signed &  
sealed  
**Amount:** \$6,000.00

**Component Description:** Professional  
Engineering  
Services  
**Amount:** \$3,000.00

**Component Description:** Engineering  
Evaluation  
**Amount:** \$3,000.00

**Component Description:** Engineering  
Evaluation  
**Amount:** \$3,625.00

**Component Description:** Engineering  
Evaluation, Tower  
Mapping, Anchor  
Corrosion Risk  
Analysis  
**Amount:** \$3,625.00

**Component Description:** Professional  
Engineering  
Services  
**Amount:** \$3,000.00

**Component Description:** Tower Mapping  
**Amount:** \$6,850.00

Tall Tower (greater than 500')	<b>Component Description:</b> <b>Amount:</b>	TOWER SERVICE \$12,527.25
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## 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
<b>Outside Professional Services</b>	<b>\$202,950.09</b>	<b>\$199,014.94</b>		<b>\$152,327.08</b>	
Attorney Fees - Other Matters	<i>\$9,143.45</i>	\$9,143.45	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$9,143.45	.
Additional Field Engineering Service, 12 Days	<i>\$18,791.64</i>	\$18,791.64	Please see WVFX RF Eng - Additional Field Engineering Service, 12 days Budget Revision Justification Letter	\$18,791.60	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,425.00	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
Prepare and or review reimbursement form	\$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	\$15,375.00	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$15,375.00	Please see submitted invoices.
Project management of the transition	\$142,200.00	\$135,000.00	N/A	\$105,440.68	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$1,554.85	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time	\$1,554.85	Please see submitted invoices
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$196.50	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$400.00	Please see WVFX Engineering STA Budget Justification Cover Letter	\$400.00	N/A
<b>Sub-total</b>	\$202,950.09	\$199,014.94	N/A	\$152,327.08	N/A
<b>Total for all systems</b>	\$1,459,160.54	\$1,447,378.04	N/A	\$423,446.68	N/A

## Components

Actual Information	
Description	File Name
Attorney Fees - Other Matters	<p><b>Component Description:</b> For Professional Services Rendered</p> <p><b>Amount:</b> \$8,847.45</p> <p><b>Component Description:</b> For Professional Services</p> <p><b>Amount:</b> \$296.00</p>
Additional Field Engineering Service, 12 Days	<p><b>Component Description:</b> Project Management</p> <p><b>Amount:</b> \$18,791.60</p>
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<p><b>Component Description:</b></p> <p>Prepare engineering section of FCC Form 2100 Construction Permit Application</p> <p><b>Amount:</b></p> <p>\$1,425.00</p>
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Prepare and or review reimbursement form	Information not provided.
Perform engineering study for new channel assignment and antenna development	<p><b>Component Description:</b></p> <p>Perform engineering study for new channel assignment</p> <p><b>Amount:</b></p> <p>\$1,150.00</p> <p><b>Component Description:</b></p> <p>Consulting Engineer</p> <p><b>Amount:</b></p> <p>\$3,150.00</p> <p><b>Component Description:</b></p> <p>Continued review of prospective replacement panel main antenna</p> <p><b>Amount:</b></p> <p>\$375.00</p> <p><b>Component Description:</b></p> <p>Conduct channel studies to consider WVFX staying on its pre-auction Ch-10</p> <p><b>Amount:</b></p> <p>\$3,100.00</p>



	<b>Component Description:</b>	Regarding replacement tower to accommodate antenna
	<b>Amount:</b>	\$5,450.00
	<b>Component Description:</b>	WVFX-530-RF Eng Study
	<b>Amount:</b>	\$950.00
	<b>Component Description:</b>	Consulting Engineer - Provide target specifications for manufacturers to develop a side-mount main antenna for repack Ch-13 at non-maximized parameters.
	<b>Amount:</b>	\$475.00
	<b>Component Description:</b>	Consulting Engineer
	<b>Amount:</b>	\$725.00
Project management of the transition	<b>Component Description:</b>	Project Management
	<b>Amount:</b>	\$5,317.85
	<b>Component Description:</b>	Project Management
	<b>Amount:</b>	\$2,158.20
	<b>Component Description:</b>	Project Management
	<b>Amount:</b>	\$4,701.15

<b>Component Description:</b>	WVFX-510-Project Management
<b>Amount:</b>	\$97.53

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,795.60

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,594.75

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,974.15

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,520.80

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,031.85

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,190.25

<b>Component Description:</b>	Project Mgt
<b>Amount:</b>	\$801.45

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,433.05

<b>Component Description:</b>	Project Mgt
<b>Amount:</b>	\$733.30

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,726.05

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,142.95

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,114.50

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,138.20

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,232.15

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$4,812.15

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,417.00

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,001.90

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,231.90

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,040.15

<b>Component Description:</b>	Cost Reconciliation
<b>Amount:</b>	\$2,226.45

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,931.10

<b>Component Description:</b>	Transition Related Project Management Costs
<b>Amount:</b>	\$3,000.00

<b>Component Description:</b>	Project Mgt
<b>Amount:</b>	\$28.20

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,428.15

<b>Component Description:</b>	Project management
<b>Amount:</b>	\$2,667.65

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,915.00

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,314.90

<b>Component Description:</b>	Project Mgt
<b>Amount:</b>	\$2,481.05

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,970.00

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,944.80

<b>Component Description:</b>	Project management
<b>Amount:</b>	\$1,966.05

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,223.75

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,238.45

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,019.35

<b>Component Description:</b>	Project Mgt
<b>Amount:</b>	\$1,968.80

	<b>Component Description:</b> <b>Amount:</b>	Project Management \$2,908.15
	<b>Component Description:</b> <b>Amount:</b>	Project Management \$2,348.80
	<b>Component Description:</b> <b>Amount:</b>	Project Mgt \$802.25
	<b>Component Description:</b> <b>Amount:</b>	Project Management \$2,022.10
	<b>Component Description:</b> <b>Amount:</b>	Project Management \$1,745.10
	<b>Component Description:</b> <b>Amount:</b>	Project Management \$3,083.70
ASR modification (prepare FCC Form 854)	Information not provided.	

<p>Attorney Fees - Prepare and File request for Special Temporary Authorization</p>	<table> <tr> <td data-bbox="707 174 1015 208"><b>Component Description:</b></td><td data-bbox="1147 174 1294 241">Professional Services</td></tr> <tr> <td data-bbox="707 255 815 288"><b>Amount:</b></td><td data-bbox="1147 255 1267 288">\$1,221.50</td></tr> <tr> <td data-bbox="707 394 1015 427"><b>Component Description:</b></td><td data-bbox="1147 394 1353 506">Work on interim STA filing; submit same</td></tr> <tr> <td data-bbox="707 517 815 551"><b>Amount:</b></td><td data-bbox="1147 517 1244 551">\$296.00</td></tr> <tr> <td data-bbox="707 656 1015 689"><b>Component Description:</b></td><td data-bbox="1147 656 1305 723">WVFX-550-Attorney STA</td></tr> <tr> <td data-bbox="707 734 815 768"><b>Amount:</b></td><td data-bbox="1147 734 1230 768">\$37.35</td></tr> </table>	<b>Component Description:</b>	Professional Services	<b>Amount:</b>	\$1,221.50	<b>Component Description:</b>	Work on interim STA filing; submit same	<b>Amount:</b>	\$296.00	<b>Component Description:</b>	WVFX-550-Attorney STA	<b>Amount:</b>	\$37.35
<b>Component Description:</b>	Professional Services												
<b>Amount:</b>	\$1,221.50												
<b>Component Description:</b>	Work on interim STA filing; submit same												
<b>Amount:</b>	\$296.00												
<b>Component Description:</b>	WVFX-550-Attorney STA												
<b>Amount:</b>	\$37.35												
<p>Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application</p>	<p>Information not provided.</p>												
<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="707 1099 1015 1133"><b>Component Description:</b></td><td data-bbox="1147 1099 1294 1167">Professional Services</td></tr> <tr> <td data-bbox="707 1178 815 1211"><b>Amount:</b></td><td data-bbox="1147 1178 1244 1211">\$196.50</td></tr> </table>	<b>Component Description:</b>	Professional Services	<b>Amount:</b>	\$196.50								
<b>Component Description:</b>	Professional Services												
<b>Amount:</b>	\$196.50												
<p>Prepare request for Special Temporary Authorization</p>	<table> <tr> <td data-bbox="707 1352 1015 1386"><b>Component Description:</b></td><td data-bbox="1147 1352 1362 1576">Various discussions regarding implementation of side-mount interim antenna</td></tr> <tr> <td data-bbox="707 1590 815 1624"><b>Amount:</b></td><td data-bbox="1147 1590 1244 1624">\$400.00</td></tr> </table>	<b>Component Description:</b>	Various discussions regarding implementation of side-mount interim antenna	<b>Amount:</b>	\$400.00								
<b>Component Description:</b>	Various discussions regarding implementation of side-mount interim antenna												
<b>Amount:</b>	\$400.00												

## 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
<b>Other Expenses</b>	<b>\$85,290.00</b>	<b>\$75,975.00</b>		<b>\$9,080.90</b>	
DTV Medical Facility Notification	\$11,550.00	\$2,350.00	N/A	N/A	N/A
MVPD Notification of Channel Change	<i>\$2,000.00</i>	\$2,000.00	see Estimated Cost Justification WVFX-610-MVPD Notifications v0	\$2,000.00	N/A
Non-zoning permits	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$15,000.00</i>	\$15,000.00	See attached Disposal Quote	\$6,880.90	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$200.00	see Estimated Cost Justification WVFX-610-STA FCC Filing Fees v0	\$200.00	N/A
Equipment Storage	<i>\$19,500.00</i>	\$19,500.00	N/A	N/A	N/A



Develop and air announcement of upcoming channel change	<b>\$10,600.00</b>	\$10,600.00	N/A	N/A	N/A
Security	<b>\$15,000.00</b>	\$15,000.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,000.00	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
<b>Sub-total</b>	\$85,290.00	\$75,975.00	N/A	\$9,080.90	N/A
<b>Total for all systems</b>	\$1,459,160.54	\$1,447,378.04	N/A	\$423,446.68	N/A

## Components

Actual Information	
Description	File Name
DTV Medical Facility Notification	Information not provided.
MVPD Notification of Channel Change	<p><b>Component Description:</b> Prepare MVPD Notices</p> <p><b>Amount:</b> \$2,000.00</p>
Non-zoning permits	Information not provided.

Disposal Costs (for equipment and other waste, net of any salvage value)	<b>Component Description:</b> Delivery 30 yd open top <b>Amount:</b> \$380.90
	<b>Component Description:</b> 30 Yd rolloff <b>Amount:</b> \$630.08
	<b>Component Description:</b> Removal of unwanted heavy equipment and debris <b>Amount:</b> \$6,500.00
FCC Filing Fees - Special Temporary Authorization request	<b>Component Description:</b> WVFX-610-STA <b>Amount:</b> FCC Filing Fees \$200.00
Equipment Storage	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Security	Information not provided.
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.

<b>Cost Information</b>	<b>Grand Total</b>		
		<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>
			<b>Actual Cost</b>
	<b>Total for all systems</b>	\$1,459,160.54	\$1,447,378.04
			\$423,446.68

<b>Reimbursement Status</b>	<b>Question</b>	<b>Response</b>
	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"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> </ol>	

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><b>Robert J. Folliard , III</b>  .  <i>Assistant Secretary</i></p> <p>11/30/2020</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"> <li>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.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

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><b>Robert J. Folliard , III</b> . <i>Assistant Secretary</i></p> <p>11/30/2020</p>

## Attachments