



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **13993** | Service: **DTV** | Call **WSFA** | Channel: **8 (High VHF)**
ID:
File **0000024804**
Number:
FRN: **0018223693** | Date **11/16**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
GRAY TELEVISION LICENSEE, LLC Doing Business As: WSFA	Robert Folliard 4370 PEACHTREE ROAD, NE ATLANTA, GA 30319 United States	+1 (334) 288-1212	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
The Preparer is same as the reimbursement contact.			

Broadcaster Information and Transition Plan

Question	Response
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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	Install TLS-V interim antenna and connect to interim line Remove and replace top mounted antenna and connect to existing transmission line. Install new main and backup transmitters.

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	Emergency Backup
	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	HTEL
	Year	2008
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	1.1 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?	No
	Manufacturer	
	Model	VAXTE-2R44
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	1.6 kW
	Justification for New Transmitter	Existing Transmitter can not be retuned Manufacturers letter attached

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

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	No
	Description	N/A

HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	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
Auxiliary Transmitter Mask Filter		Mask filter for the auxiliary transmitter

**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	Platinum
	Year	2008
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	5 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	VAXTE-12
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	5.89 kW
	Justification for New Transmitter	Exiting transmitter can not be retuned Manufacturers letter attached Headroom analysis attached

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	No

	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	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
Primary Transmitter - Transmitter Installation	Primary Transmitter - Transmitter Installation

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?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Other
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	Traveling Wave
	ERP: (Effective Radiated Power)	31.6 kW

Manufacturer	
Model	RCA/TW-12A12
Year	1992

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?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	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)	31.6 kW
	Manufacturer	

Model	THV-10A8 /VP-R 04
Year	2019
Justification for New Antenna	Existing antenna can not be retuned V-pol upgrade not reimbursable

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	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	3 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	
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
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**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?	No
New 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/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)	31.6 kW
	Manufacturer	
	Model	TLS-V
	Year	2019

	Justification for New Antenna	Use as transition antenna to allow for removal of existing Ch 12 antenna and installation of new repack Ch 8 antenna.
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Interim Antenna

Other Antenna Costs

Section	Question	Response
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?	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

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	Utilize Existing
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	Andrew
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	2050 feet per run

Primary
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Utilize Existing Line - Mandatory Category due to LMS Bug	Mandatory category because LMS requires a dollar amount in order to not throw an error.
Primary Transmission Line - Sweep Test	Primary Transmission Line - Sweep Test of pre-transition antenna to determine feasibility of use for post-transition channel

Primary
Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	2050 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?	No
	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	1900 feet per run
	Justification for New Transmission Line	Existing line determined not suitable for use on post-transition channel.

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	4 1/16 inches
	Segment Length	20'
	Other Segment Length	
	Number of parallel runs	1
	Length	1900 feet per run
	Justification for New Transmission Line	interim line not required

Interim
Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

Tower Equipment And Rigging Costs

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

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?	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?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	31° 58' 29.0" N-
	Longitude (NAD83)	086° 09' 44.1" W-
	Overall Structure Height	1935.02 feet
	Support Structure Height	1853.00 feet
	Ground Elevation Above Mean Sea Level (AMSL)	532.15 feet

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	WSFA, LLC
	Date Constructed	08/01/1977

**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
8649	WZHT	FM
73642	WCOV-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:	Minor Reinforcements needed

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	Yes

**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	595
	Explanation	Pattern analysis Antenna Spec Transmitter Spec Building drawings Installation Supervision Accounting Internal Legal 399 Program Management
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	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

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	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
	Prepare or Review FCC Form 399 for Reimbursement	No
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	Yes
	Number of Days	15

	Justification	Onsite supervision and engineering of transmission line installation, helicopter lifts, and main antenna changes
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Outside Professional Services Costs **Other Professional Services Expenses Not Listed**
Services not provided.

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	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

Name	Description
Site Security	Site Security

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 VAXTE-12	\$283,368.97	\$280,218.97		\$207,909.90	
Primary Transmitter - Transmitter Installation	<i>\$2,505.17</i>	\$2,505.17	Please see WSFA Primary Transmitter - Transmitter Installation Budget Revision Justification Letter	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
High VHF - Air Cooled Solid State Transmitter 5.89 kW	<i>\$188,898.09</i>	\$188,898.09	GatesAir Quotes Q-66731 & upgrade quote Q-73822	\$179,694.19	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	N/A	N/A

High VHF - Air Cooled Solid State Transmitter 5.9 kW	\$28,215.71	\$28,215.71	***System Notice: Estimate adjusted and locked because line has been superseded. ***GatesAir Quotes Q- 66731 & upgrade quote Q- 73822 Headroom analysis attached	\$28,215.71	N/A
Auxiliary Transmitter VAXTE-2R44	\$224,132.82	\$156,786.89		\$84,976.10	
Auxiliary Transmitter Mask Filter	\$7,882.82	\$7,882.82	Please see WSFA GatesAir quote GA- 00021705 plus actual tax on invoice US0335134	\$7,882.82	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW	\$152,500.00	\$88,304.07	GatesAir Quote GA- 00021705 attached. Please see file WSFA Backup TX. pdf	\$77,093.28	N/A

Sub-total	\$507,501.79	\$437,005.86	N/A	\$292,886.00	N/A
Total for all systems	\$2,352,120.11	\$2,164,993.60	N/A	\$612,958.95	N/A

Components

Actual Information	
Description	File Name
Primary Transmitter - Transmitter Installation	Information not provided.
Switchgear - industrial 800 amp	Information not provided.
High VHF - Air Cooled Solid State Transmitter 5.89 kW	<div> <div>Component Description:</div> <div>VAXTE-8</div> </div> <div> <div>Amount:</div> <div>\$18,810.47</div> </div> <div> <div>Component Description:</div> <div>50% Payment</div> </div> <div> <div>Amount:</div> <div>\$94,052.37</div> </div> <div> <div>Component Description:</div> <div>Transmitter</div> </div> <div> <div>Amount:</div> <div>\$14,161.68</div> </div> <div> <div>Component Description:</div> <div>VAXTE-8</div> </div> <div> <div>Amount:</div> <div>\$52,669.67</div> </div>
Transformer 3 phase/480v - 150 KVA	Information not provided.
High VHF - Air Cooled Solid State Transmitter 5.9 kW	<div> <div>Component Description:</div> <div>Transmitter, Mask Filter Saystem, RF Accessories, Electrical, Installation & Proof</div> </div> <div> <div>Amount:</div> <div>\$28,215.71</div> </div>

Auxiliary Transmitter Mask Filter	Component Description:		WSFA-150-1st Auxiliary Transmitter - Mask Filter
	Amount:		\$2,474.37
	Component Description:		WSFA-150-1st Auxiliary Transmitter - Mask Filter
	Amount:		\$5,408.45
Transformer 3 phase/480v - 150 KVA	Information not provided.		
Switchgear - industrial 800 amp	Information not provided.		
High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW	Component Description:		VAXTE-2
	Amount:		\$11,786.37
	Component Description:		Transmitter
	Amount:		\$13,575.82
	Component Description:		Transmitter, Mask Filter Saystem, Electrical, Installation & Proof
	Amount:		\$11,427.91
	Component Description:		VAXTE-2
	Amount:		\$32,684.58
	Component Description:		VAXTE-2 per Quote GA-00021705
	Amount:		\$7,618.60

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 TLS-V	\$72,353.40	\$70,293.40		\$0.00	
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$11,970.00	Please see WSFA Dielectric quote 184001	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
High VHF - High Power Side Mount One Station horizontally polarized	<i>\$51,923.40</i>	\$51,923.40	Quote attached	\$0.00	N/A
Primary Antenna THV-10A8 /VP-R 04	\$292,025.00	\$290,680.00		\$70,791.25	
Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	\$7,600.00	\$6,585.00	Please see WSFA Dielectric quote dated 3-9-17	N/A	N/A

Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$1,600.00	N/A
High VHF - High Power Top Mount One Station elliptically or circularly polarized	\$277,695.00	\$277,695.00	Quote attached E-Pol premium not included in cost	\$69,191.25	N/A
Sub-total	\$364,378.40	\$360,973.40	N/A	\$70,791.25	N/A
Total for all systems	\$2,352,120.11	\$2,164,993.60	N/A	\$612,958.95	N/A

Components

Actual Information	
Description	File Name
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.
Sweep test of existing antenna	Information not provided.
High VHF - High Power Side Mount One Station horizontally polarized	<p>Component Description: Invoice moved to correct budget category.</p> <p>Amount: N/A</p> <p>Component Description: Invoice moved to correct budget category.</p> <p>Amount: N/A</p>
Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	Information not provided.

Sweep test of existing antenna	<div> <div>Component Description:</div> <div>WSFA-210- Primary Antenna - Sweep Test</div> </div> <div> <div>Amount:</div> <div>\$1,600.00</div> </div>
High VHF - High Power Top Mount One Station elliptically or circularly polarized	<div> <div>Component Description:</div> <div>HIGH-VHF One station antenna - top mount</div> </div> <div> <div>Amount:</div> <div>\$69,191.25</div> </div>

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	\$269,800.00	\$43,913.72		\$43,913.72	
Rigid Transmission Line - copper, 4 1/16"	\$269,800.00	\$43,913.72	New line primary line incorrectly entered as an interim line.	\$43,913.72	N/A
Primary Transmission Line	\$4,500.00	\$4,500.00		\$4,500.00	
Primary Transmission Line - Sweep Test	<i>\$4,500.00</i>	\$4,500.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***Please see WSFA Primary Transmission Line - Sweep Test Budget Revision Justification Letter	\$4,500.00	N/A
Primary Transmission Line	\$269,800.00	\$130,811.18		\$0.00	

Rigid Transmission Line - copper, 4 1/16"	\$269,800.00	\$130,811.18	Please see attached Dielectric Quote 44904 less amount forwarded for payment under interim transmission line category	N/A	N/A
Sub-total	\$544,100.00	\$179,224.90	N/A	\$48,413.72	N/A
Total for all systems	\$2,352,120.11	\$2,164,993.60	N/A	\$612,958.95	N/A

Components

Actual Information	
Description	File Name
Rigid Transmission Line - copper, 4 1/16"	<p>Component Description: WSFA-380-Interim Transmission Line - Rigid Copper, 4 1/16"</p> <p>Amount: \$43,913.72</p>
Primary Transmission Line - Sweep Test	<p>Component Description: Sweep existing main transmission line to determine suitability as interim channel 8 (post repack channel)</p> <p>Amount: \$4,500.00</p>
Rigid Transmission Line - copper, 4 1/16"	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	\$663,280.00	\$923,864.52		\$95,984.52	
Tall Tower (greater than 500')	\$210,500.00	\$483,884.52	Please see Estimated Cost Justification WSFA-410- Existing Primary Tower - Tower Rigging, Tall Tower V0	\$10,784.52	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	\$80,055.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$7,800.00	N/A	\$5,145.00	N/A
Tower Helicopter Lift	<i>\$282,180.00</i>	\$282,180.00	Please see Tower King II Proposal C-20-015	N/A	N/A
Sub-total	\$663,280.00	\$923,864.52	N/A	\$95,984.52	N/A
Total for all systems	\$2,352,120.11	\$2,164,993.60	N/A	\$612,958.95	N/A

Components

Actual Information	
Description	File Name
Tall Tower (greater than 500')	Component Description: F1905336 FH 308-2 FLASHHEAD Amount: \$1,664.52
	Component Description: Tower Rigging Amount: \$4,560.00
	Component Description: Tower Rigging Amount: \$4,560.00
Minor tower reinforcement /modifications	Component Description: Engineering, materials and project management services Amount: \$51,550.00
	Component Description: Supply and install twelve U brackets Amount: \$2,730.00
	Component Description: Material Ready to Ship Amount: \$25,775.00

Structural engineering tower load study for well documented tower	<div data-bbox="715 174 1374 327"> <p>Component Description: Services rendered by Tower Consultants</p> <p>Amount: \$1,810.00</p> </div> <div data-bbox="715 434 1315 546"> <p>Component Description: Project Management</p> <p>Amount: \$1,212.50</p> </div> <div data-bbox="715 654 1350 842"> <p>Component Description: WSFA-410- Existing Primary Tower - Tower Load Study</p> <p>Amount: \$312.50</p> </div> <div data-bbox="715 949 1374 1458"> <p>Component Description: Services rendered by Tower Consultants, Inc in connection with analysis prepared for the 1,935-ft guyed tower in reference with e-mail sent to TCI on January 29, 2020 using EIA Standard 222-G</p> <p>Amount: \$1,810.00</p> </div>
Tower Helicopter Lift	Information not provided.

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$209,120.31	\$208,780.31		\$86,052.85	
Additional Field Engineering Service, 15 Days	<i>\$2,830.31</i>	\$2,830.31	Please see WSFA RF Eng - Additional Field Engineering Service Budget Revision Justification Letter	\$2,829.70	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	\$864.50	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$429.50	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,525.00	Invoices received	\$1,525.00	invoice
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$4,308.30	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$94,010.00	\$99,675.00	Widely Strategic Support Quote	\$76,095.85	N/A

Sub-total	\$209,120.31	\$208,780.31	N/A	\$86,052.85	N/A
Total for all systems	\$2,352,120.11	\$2,164,993.60	N/A	\$612,958.95	N/A

Components

Actual Information	
Description	File Name
Additional Field Engineering Service, 15 Days	<p>Component Description: On Site Engineering</p> <p>Amount: \$2,829.70</p>
Comprehensive coverage verification via field study, if needed	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	<p>Component Description: Prepare repack CP extension request; file same.</p> <p>Amount: \$740.00</p> <p>Component Description: Total Professional Services</p> <p>Amount: \$124.50</p>
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	<p>Component Description: WSFA-550-Attorney - License to Cover Application (Main)</p> <p>Amount: \$429.50</p>
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.

<p>Prepare request for Special Temporary Authorization</p>	<table> <tr> <td data-bbox="713 174 1023 210">Component Description:</td><td data-bbox="1157 174 1331 327">WSFA-530-RF Eng - Special Temporary Authorization</td></tr> <tr> <td data-bbox="713 338 826 367">Amount:</td><td data-bbox="1157 338 1254 367">\$675.00</td></tr> <tr> <td data-bbox="713 477 1023 512">Component Description:</td><td data-bbox="1157 477 1366 665">Develop technical parameters for a side-mount antenna on pre- auction Ch-12</td></tr> <tr> <td data-bbox="713 676 826 705">Amount:</td><td data-bbox="1157 676 1254 705">\$850.00</td></tr> </table>	Component Description:	WSFA-530-RF Eng - Special Temporary Authorization	Amount:	\$675.00	Component Description:	Develop technical parameters for a side-mount antenna on pre- auction Ch-12	Amount:	\$850.00
Component Description:	WSFA-530-RF Eng - Special Temporary Authorization								
Amount:	\$675.00								
Component Description:	Develop technical parameters for a side-mount antenna on pre- auction Ch-12								
Amount:	\$850.00								
<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<p>Information not provided.</p>								
<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<p>Information not provided.</p>								

Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	WSFA-530-RF Eng - Engineering Study for New Channel Assignment \$233.32
	Component Description: Amount:	Project Management \$1,879.15
	Component Description: Amount:	WSFA-530-RF Eng - Engineering Study for New Channel Assignment \$83.33
	Component Description: Amount:	Initial steps toward review of planned antenna/line configuration for repack Ch-8 \$150.00
	Component Description: Amount:	WSFA-530-RF Eng - Engineering Study for New Channel Assignment \$1,187.50
	Component Description: Amount:	Consulting Engineer \$775.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Project management of the		

transition

Component Description:	Project Management
Amount:	\$2,323.40

Component Description:	Project Management
Amount:	\$169.40

Component Description:	WSFA-510-Project Management
Amount:	\$749.46

Component Description:	Project Management
Amount:	\$56.47

Component Description:	Project Management
Amount:	\$2,388.70

Component Description:	Project Management
Amount:	\$2,303.40

Component Description:	Project Management
Amount:	\$2,712.25

Component Description:	Project Management
Amount:	\$9,359.10

Component Description:	Project Management
Amount:	\$2,661.30

Component Description:	Project Management
Amount:	\$2,151.05

Component Description:	Project Management
Amount:	\$2,329.60

Component Description:	Project Management
Amount:	\$2,477.00

Component Description:	Project Management
Amount:	\$1,544.40

Component Description:	Project Management
Amount:	\$84.69

Component Description:	Project Management
Amount:	\$2,875.15

Component Description:	Project Management
Amount:	\$53.90

Component Description:	Project Management
Amount:	\$115.50

Component Description:	FORKLIFT VARIABLE REACH
Amount:	\$4,333.71

Component Description:	Project Management
Amount:	\$2,361.70

Component Description:	Project Management
Amount:	\$302.87

Component Description:	Project Management
Amount:	\$2,012.15

Component Description:	Invoice processing, document posting for Widelity
Amount:	\$277.20

Component Description:	Project Management
Amount:	\$2,285.65

Component Description:	Project Management
Amount:	\$2,021.60

Component Description:	Project Management
Amount:	\$3,113.75

Component Description:	Project management
Amount:	\$2,204.00

Component Description:	Project Management
Amount:	\$2,269.50

Component Description:	Project Management
Amount:	\$3,580.95

Component Description:	Project Management
Amount:	\$1,879.45

Component Description:	Project Management
Amount:	\$2,699.95

Component Description:	Project Management
Amount:	\$4,073.05

Component Description:	Project Management
Amount:	\$6,523.30

Component Description:	Project Management
Amount:	\$77.00

Component Description:	Project Management
Amount:	\$2,002.45

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	\$63,739.61	\$55,144.61		\$18,830.61	
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$984.00</i>	\$984.00	WSFA Disposal Budget Revision Justification Letter	N/A	N/A
Site Security	<i>\$1,980.00</i>	\$1,980.00	WSFA Site Security Budget Revision Justification Letter	N/A	N/A
MVPD Notification of Channel Change	<i>\$2,017.00</i>	\$2,017.00	see Estimated Cost Justification WSFA-610-MVPD Notification v0	\$2,017.00	N/A
Develop and air announcement of upcoming channel change	<i>\$2,850.00</i>	\$2,850.00	estimate for on air rescan announcement production Quote attached	N/A	N/A
Equipment Storage	<i>\$30,500.00</i>	\$30,500.00	Estimate for Dielectric on site antenna storage Dielectric letter attached	N/A	N/A

Equipment Delivery and Handling Charges	\$13,663.61	\$13,663.61	see Estimated Cost Justification WSFA-610-Equipment Delivery and Handling v0	\$13,663.61	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$200.00	Please see WSFA Filing Fee STA Budget Justification Cover Letter	\$200.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$2,950.00	Group quote attached	\$2,950.00	N/A
Sub-total	\$63,739.61	\$55,144.61	N/A	\$18,830.61	N/A
Total for all systems	\$2,352,120.11	\$2,164,993.60	N/A	\$612,958.95	N/A

Components

Actual Information	
Description	File Name
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
Site Security	Information not provided.
MVPD Notification of Channel Change	Component Description: For Professional Services Rendered Amount: \$2,017.00
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.

Equipment Delivery and Handling Charges	<div> Component Description: <div> FORKLIFT VARIABLE REACH 10000# 50' & UP </div> </div> <div> Amount: <div>\$4,673.55</div> </div>
	<div> Component Description: <div> FORKLIFT VARIABLE REACH 10000# 50' & UP </div> </div> <div> Amount: <div>\$4,333.71</div> </div>
	<div> Component Description: <div> FORKLIFT VARIABLE REACH 10000# 50' & UP </div> </div> <div> Amount: <div>\$3,405.45</div> </div>
	<div> Component Description: <div> FORKLIFT VARIABLE REACH 10000# 50' & UP </div> </div> <div> Amount: <div>\$1,250.90</div> </div>
FCC Filing Fees - Special Temporary Authorization request	<div> Component Description: <div> WSFA-610-FCC Filing Fees - Special Temporary Authorization request </div> </div> <div> Amount: <div>\$200.00</div> </div>
DTV Medical Facility Notification	<div> Component Description: <div> Medical Notification Mailing </div> </div> <div> Amount: <div>\$2,950.00</div> </div>

**Cost
Information**

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,352,120.11	\$2,164,993.60	\$612,958.95

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>Robert Folliard , III . <i>Assistant Secretary</i></p> <p>11/16/2020</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 	

4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Robert Folliard , III . <i>Assistant Secretary</i></p> <p>11/16/2020</p>

Attachments