

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 13993 Service: DTV Call WSFA Channel: 8 (High VHF)

ID:

Sign:

File **0000024804**

Number:

FRN: **0018223693** Date **12/15**

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 Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

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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	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	
Manufacturer and Type	Model	HTEL
	Year	2008
	Туре	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
	Туре	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 leashold 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	
Manufacturer and Type	Model	Platinum
	Year	2008
	Туре	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	9.6 kW
	Justification for New Transmitter	Exiting transmitter can not be retuned Manufacturers letter attached Headroom analysis attached

Primary Transmitter

Other Transmitter Costs

Question	Response
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
	Service Entrance (3 phases 800A 208V) Switchgear (industrial 800 amp) Transformer (480V) Power Rigid Conduit and Wiring Size Length

	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	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 leashold 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

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
	Туре	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

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	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	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	
		1

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

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Туре	
	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	Yes
	transmission line and 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	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	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-V4BB
	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.

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?	В
	Feed Line Size	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	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 Seffien	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Transmission

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
	Туре	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

Other Transmission Line Expenses Not Listed

n <mark>Naime</mark>	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

on 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	
	Туре	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 Transmi

New Transmission Line

nsmission	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
		Туре	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 Other Transmission Line Expenses Not Listed

Transmission loine tion not provided.

Interim

New Transmission Line

Transmission Line	Question	Response	
	New Transmission Line	Use	Interim
Costs	Costs	Description of Use	N/A
		Change Type	Purchase New
		Туре	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

Other Transmission Line Expenses Not Listed

Transmission to inetion 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	Do you have a tower registration number?	No
Registration	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 fe
	Support Structure Height	1853.00 fe
	Ground Elevation Above Mean Sea Level (AMSL)	532.15 fee

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
73642	WCOV-TV	DTV
8649	WZHT	FM

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

Section	Question	Response
Services Costs 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

RF Field Engineering

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
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

Other Professional Services Expenses Not Listed
Professional Services Costsided.

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
Land Use for Antenna Removal and Replacement	Land Use for Antenna Removal and Replacement

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	\$425,970.88	\$280,218.97		\$207,909.85	
Primary Transmitter - Transmitter Installation	\$2,505.17	\$2,505.17	Please see WSFA Primary Transmitter - Transmitter Installation Budget Revision Justification Letter	N/A	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 6.5 . 12.5 kW	\$331,500.00	\$188,898.09	Please see GatesAir Quotes Q- 66731 & upgrade quote Q- 73822, less amount reimbursed in superseded category	\$179,694.14	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	\$28,215.71	N/A
			quote Q- 73822 Headroom analysis attached		
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Auxiliary Transmitter VAXTE-2R44		\$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	r \$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 - \$152,500.00 \$88,304.07 GatesAir \$77,093.28 N/A Air Cooled Quote GA- Solid State 00021705 Transmitter attached. 1.1 . 4.4 kW Please see file WSFA						
Backup TX.	Air Cooled Solid State Transmitter	\$152,500.00	\$88,304.07	Quote GA- 00021705 attached. Please see file WSFA	\$77,093.28	N/A
	Total for all systems	\$2,544,409.84	\$2,258,467.58	N/A	\$1,685,438.28	N/A

Components

Actual Information Description	File Name	
Primary Transmitter - Transmitter Installation	Information not provided.	
Transformer 3 phase/480v - 150 KVA	Information not provided.	
High VHF - Air Cooled Solid State Transmitter 6.5 . 12.5 kW	Component Description: Amount:	Transmitter \$94,052.37
	Component Description: Amount:	Transmitter \$52,669.62
	Component Description: Amount:	Transmitter \$14,161.68
	Component Description: Amount:	Transmitter \$18,810.47

High VHF - Air Cooled Solid State Transmitter 5.9 kW	Component Description:	Transmitter, Mask Filter Saystem, RF Accessories, Electrical, Installation & Proof
	Amount:	\$28,215.71
Switchgear - industrial 800 amp	Information not provided.	
Auxiliary Transmitter Mask Filter		
	Component Description:	WSFA-150-1st
		Auxiliary
		Transmitter -
	A	Mask Filter
	Amount:	\$5,408.45
	Component Description:	WSFA-150-1st
		Auxiliary
		Transmitter -
		Mask Filter
	Amount:	\$2,474.37
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: VAXTE-2 per

Quote GA-00021705

Amount: \$7,618.60

Component Description: VAXTE-2 Amount: \$32,684.58

Component Description: Transmitter
Amount: \$13,575.82

Component Description: Transmitter, Mask

Filter Saystem,
Electrical,
Installation &

Proof

Amount: \$11,427.91

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-V4BB	\$95,503.40	\$73,548.40		\$0.00	
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$3,255.00	Please see Dielectric order confirmation 184001	N/A	N/A
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	\$51,923.40	\$51,923.40	Quote attached	\$0.00	N/A
Primary Antenna THV-10A8 /VP-R 04	\$292,025.00	\$290,680.00		\$240,690.25	

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	\$231,299.25	N/A
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	\$3,951.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,440.00	N/A
Sub-total	\$387,528.40	\$364,228.40	N/A	\$240,690.25	N/A
Total for all systems	\$2,544,409.84	\$2,258,467.58	N/A	\$1,685,438.28	N/A

Components

Actual Information Description	File Name
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.
Sweep test of existing antenna	Information not provided.

Mount One Station norizontally polarized	Component Description:	Invoice moved to correct budget category.
	Amount:	N/A
	Component Description:	Invoice moved to correct budget
	Amount:	category. N/A
High VHF - High Power Top		
Mount One Station	Component Description:	High-VHF
elliptically or circularly polarized	Amount:	\$135,090.00
	Component Description:	HIGH-VHF
	Amount:	\$27,018.00
	Component Description:	HIGH-VHF One
		station antenna -
		top mount
	Amount:	\$69,191.25
Elbow complex, single channel, at antenna input,		
per 3 1/8. feedline (if needed)	Component Description:	WSFA-210- Primary Antenna-
	Amount:	Elbow Complex \$658.50
	Component Description:	WSFA-210-
	Component Description.	Primary Antenna-
	I .	Elbow Complex

Sweep test of existing antenna	Component Description:	WSFA-210- Primary Antenna -
		Sweep Test
	Amount:	\$3,200.00
	Component Description:	WSFA-210- Primary Antenna - Sweep Test
	Amount:	\$640.00
	Component Description:	WSFA-210- Primary Antenna - Sweep Test
	Amount:	\$1,600.00

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	Cost Justification	Actual Cost	Actual Cos 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	\$4,500.00	\$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	\$194,492.34		\$111,941.38	

Rigid	\$269,800.00	\$194,492.34	Please see	\$111,941.38	N/A
Transmission			Estimated		
Line -			Cost		
copper, 4 1			Justification		
/16"			WSFA-310-		
			Primary		
			Transmission		
			Line - Rigid		
			Copper V0		
Sub-total	\$544,100.00	\$242,906.06	N/A	\$160,355.10	N/A
Total for all systems	\$2,544,409.84	\$2,258,467.58	N/A	\$1,685,438.28	N/A

Components

Actual Information Description	File Name	
Rigid Transmission Line - copper, 4 1/16"	Component Description: Amount:	WSFA-380-Interim Transmission Line - Rigid Copper, 4 1 /16" \$43,913.72
Primary Transmission Line - Sweep Test	Component Description: Amount:	Sweep existing main transmission line to determine suitability as interim channel 8 (post repack channel) \$4,500.00

Rigid Transmission Line - copper, 4 1/16"

Component Description: T/L 4-50 EIA

LENGTH 10' TO 15' FIXED FLG 1 END/ SWIVEL FLG 1 END

Amount: \$6,458.44

Component Description: WSFA-310-

Primary

Transmission Line
- Rigid Copper, 4 1

/16"

Amount: \$87,827.45

Component Description: WSFA-310-

Primary

Transmission Line
- Rigid Copper, 4 1

/16"

Amount: \$17,655.49

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	\$663,280.01	\$923,864.53		\$883,659.52	
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	\$483,884.51	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	\$112,450.00	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	\$282,180.01	\$282,180.01	Please see Estimated Cost Justification WSFA-410- Existing Primary Tower - Helicopter Lift v0	\$282,180.01	N/A
Sub-total	\$663,280.01	\$923,864.53	N/A	\$883,659.52	N/A

Total for all	\$2,544,409.84	\$2,258,467.58	N/A	\$1,685,438.28	N/A
systems					

Components

Actual Information Description	File Name	
Tall Tower (greater than 500')	Component Description:	Final Completion Payment for - WSFA TV Facility ID 13993 in Grady AL
	Amount:	\$222,543.91
	Component Description: Amount:	F1905336 FH 308- 2 FLASHHEAD \$1,664.52
	Component Description: Amount:	TOWER SERVICE \$125,278.04
	Component Description: Amount:	Tower Rigging \$4,560.00
	Component Description: Amount:	TOWER SERVICE \$125,278.04
	Component Description: Amount:	Tower Rigging \$4,560.00

Minor tower reinforcement /modifications

Component Description: Supply and install

twelve U brackets

Amount: \$2,730.00

Component Description: Material Ready to

Ship

Amount: \$25,775.00

Component Description: Completion Invoice

Amount: \$25,775.00

Component Description: Services rendered

by Tower Consultants

Amount: \$3,310.00

Component Description: Services rendered

by Tower Consultants

Amount: \$3,310.00

Component Description: Engineering,

materials and

project

management

services

Amount: \$51,550.00

Structural engineering tower load study for well documented tower

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

Amount: \$1,810.00

Component Description: WSFA-410-

Existing Primary Tower - Tower Load Study

Amount: \$312.50

Component Description: Services rendered

by Tower Consultants

Amount: \$1,810.00

Component Description: Project

Management

Amount: \$1,212.50

Tower Helicopter Lift **Component Description:** WSFA-410-**Existing Primary** Tower - Helicopter Lift \$132,736.09 Amount: **Component Description:** WSFA-410-**Existing Primary** Tower - Helicopter Lift Amount: \$74,721.96 **Component Description:** WSFA-410-**Existing Primary** Tower - Helicopter Lift Amount: \$74,721.96

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 Cos
Outside Professional Services	\$209,120.31	\$208,780.31	Custimodicin	\$86,052.85	Custimodic
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$4,308.30	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
Additional Field Engineering Service, 15 Days	\$2,830.31	\$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 - \$3,680.00 \$3,500.00 Prepare and File request for Special Temporary Authorization Attorney Fees - \$2,365.00 \$2,250.00	N/A	\$864.50	N/A
Attorney Fees - \$2,365.00 \$2,250.00			
Prepare and File FCC Form 2100 (main), License to Cover Application	N/A	\$429.50	N/A
Attorney Fees - \$5,260.00 \$5,000.00 Prepare and File FCC Form 2100 (main), Construction Permit Application	N/A	N/A	N/A
•	Invoices received	\$1,525.00	invoice
Prepare \$1,580.00 \$1,500.00 engineering section of FCC Form 2100 (main), License to Cover Application	N/A	N/A	N/A
management of S	Widelity Strategic Support Quote	\$76,095.85	N/A
Address \$2,630.00 \$2,500.00 transition timing and coordination issues w/ other stations and wireless	N/A	N/A	N/A

Total for all \$2,544,409.84 \$2,258,467.58 N/A \$1,685,438.28 N/A systems

Components

Actual Information

Description File Name

Perform engineering study for new channel assignment WSFA-530-RF **Component Description:** and antenna development Eng - Engineering Study for New Channel Assignment Amount: \$233.32 **Component Description: Project** Management \$1,879.15 Amount: **Component Description:** WSFA-530-RF Eng - Engineering Study for New Channel Assignment Amount: \$83.33 **Component Description:** Initial steps toward review of planned antenna/line configuration for repack Ch-8 Amount: \$150.00 **Component Description:** Consulting Engineer Amount: \$775.00 **Component Description:** WSFA-530-RF Eng - Engineering Study for New Channel

Assignment

Amount: \$1,187.50

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application

Information not provided.

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

Prepare request for Special		
Temporary Authorization	Component Description:	WSFA-530-RF
	Component Boothplien.	Eng - Special
		Temporary
		Authorization
	Amount:	\$675.00
	Amount.	\$075.00
	Component Description:	Develop technical
	Component Description.	parameters for a
		side-mount
		antenna on pre-
		auction Ch-12
	Amount:	\$850.00
	Allioulit.	φοσο.σο
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	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:	WSEA-510-Project
	Component Description.	WSFA-510-Project Management
	Amount:	\$749.46
	Amount.	ψ/43.40
	Component Description:	Project
	Component Description.	Management
	Amount:	\$56.47
	Amount	ψου.τι
	Component Description	Project
	Component Description:	Project Management
	Component Description: Amount:	Project Management \$2,388.70

Component Description:

Project Management

Amount:

\$2,303.40

Component Description:

Project

Amount:

Management \$2,712.25

Component Description:

Project

Amount:

Management \$9,359.10

Component Description: Pr

Project

Amount:

Management \$2,661.30

Project

Component Description:

Component Description:

Management

\$2,151.05

Amount:

Project

Management

\$2,329.60

Component Description:

Project

Management

Amount:

Amount:

\$2,477.00

Component Description:

Project

Amount:

Management \$1,544.40

Component Description:

Project

Management \$84.69

Amount:

Component Description:

Project Management

Amount:

\$2,875.15

Component Description:

Project

Amount:

Management \$53.90

Component Description:

Project

Amount:

Management \$6,523.30

Component Description:

Project

Amount:

Management \$2,699.95

Component Description:

Project

Amount:

Amount:

Amount:

Amount:

Management \$2,269.50

FORKLIFT VARIABLE

REACH

Amount: \$4,333.71

Component Description:

Component Description:

Project

Management

\$2,021.60

Component Description:

Project

Management

\$1,879.45

Component Description:

Project

Management

\$3,113.75

Component Description:

Amount:

Project

Management \$2,285.65

Component Description:

Project

Amount:

Management \$2,012.15

Component Description:

Project

Amount:

Amount:

Amount:

Management \$3,580.95

Project

Component Description:

Management

\$115.50

Component Description:

Project

Management

\$302.87

Component Description:

Project

Amount:

management

\$2,204.00

Component Description:

Project

Amount:

Management \$4,073.05

Component Description:

Project

Amount:

Management

\$77.00

Component Description:

Project

Amount:

Management \$2,361.70 Component Description:

Amount:

Component Description:

Invoice
processing,
document posting
for Widelity
Amount:

\$2,002.45

Invoice
processing,
document posting
for Widelity
\$277.20

other stations and wireless

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 Co
Other Expenses	\$90,277.42	\$81,682.42		\$21,794.61	
Land Use for Antenna Removal and Replacement	\$5,000.00	\$5,000.00	Please see WSFA Land Use for Antenna Removal and Replacement Budget Revision Justification Letter	N/A	N/A
Site Security	\$1,980.00	\$1,980.00	WSFA Site Security Budget Revision Justification Letter	\$1,980.00	N/A
MVPD Notification of Channel Change	\$2,017.00	\$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	\$2,850.00	\$2,850.00	estimate for on air rescan announcement production Quote attached	N/A	N/A
Equipment Storage	\$30,500.00	\$30,500.00	Estimate for Dielectric on site antenna storage Dielectric letter attached	N/A	N/A

Equipment Delivery and Handling Charges	\$35,201.42	\$35,201.42	see Estimated Cost Justification WSFA-610- Equipment Delivery and Handling v1	\$13,663.61	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$984.00	\$984.00	WSFA Disposal Budget Revision Justification Letter	\$984.00	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	\$90,277.42	\$81,682.42	N/A	\$21,794.61	N/A
Total for all systems	\$2,544,409.84	\$2,258,467.58	N/A	\$1,685,438.28	N/A

Components

Actual Information Description	File Name	
Land Use for Antenna Removal and Replacement	Information not provided.	
Site Security		
	Component Description:	Security Checks
	Amount:	\$1,980.00
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	Component Description:	FORKLIFT VARIABLE REACH 10000#
	Amount:	50' & UP \$4,673.55
	Component Description:	FORKLIFT VARIABLE REACH 10000# 50' & UP
	Amount:	\$4,333.71
	Component Description:	FORKLIFT VARIABLE REACH 10000# 50' & UP
	Amount:	\$3,405.45
	Component Description:	FORKLIFT VARIABLE REACH 10000#
	Amount:	50' & UP \$1,250.90
Disposal Costs (for equipment and other waste,	Component Description:	Serv #001 Roll
net of any salvage value)	Amount:	/Temp C&D1 - 30YD \$269.50
	Component Description:	EMPTY AND RETURN W.O# 80092
	The state of the s	

Temporary Authorization	Component Description:	WSFA-610-FCC
request		Filing Fees -
		Special
		Temporary
		Authorization
		request
	Amount:	\$200.00
DTV Medical Facility		
Notification	Component Description:	Medical
		Notification Mailing
	Amount:	\$2,950.00

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,544,409.84	\$2,258,467.58	\$1,685,438.28

Reimbursem	envestiatus	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

Section Question Response

Submission of Estimated Expenses Statements

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.

- 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.

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.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Robert J. Folliard , III

Assistant Secretary

12/15/2020

Section Question Response

Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (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).

- 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.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- 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.

- 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 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.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Robert J. Folliard , III

Assistant Secretary

12/15/2020

Attachments