

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Service: DTV Call **WEAU** Channel: 17 (UHF) Facility Sign:

ID:

File 0000028728

Number:

FRN: 0018223693 Date 09/30

> Submitted: /2020

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
GRAY TELEVISION LICENSEE, LLC Doing Business As: WEAU 13 News	4370 Peachtree Road, NE Atlanta, GA 30319 United States	+1 (404) 504-9828	allfcclms@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

Applicant	Address	Phone	Email
Samuel Hariton Widelity	Samuel Hariton 4031 University Dr Suite 100 Fairfax, VA 22030 United States	+1 (339) 222-8107	sam.hariton@widelity.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	WEAU will be transitioning from channel 38 to 17. The station plans to replace their existing main transmitter, antenna, and transmission line. The station also plans to install interim facilities to continue broadcasting during the transition.

Transmitters

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

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	PRW90D3
	Year	2011
	Туре	Inductive Output Tube
	IOT Power Type	Three
	Power Capacity	90 kW

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-120
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	76 kW
	Justification for New Transmitter	Replacing retunable IOT with solid state transmitter

Primary Transmitter

Other Transmitter Costs

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

	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.
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	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
Improvement	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

r	Name	Description
	Concrete Cutting Work	Cutting holes in concrete walls and floors for pipes and electrical.
	Transmitter remote control	New transmitter will not work with existing remote control system.

Pad for Heat Exchangers	Additional Heat Exchanger Concrete Pad
	plus Ice shield

Interim Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-40
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	25.3 kW
	Justification for New Transmitter	Interim transmitter needed to stay broadcasting during the transition

Interim 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.
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	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
Improvement	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
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	No

Interim Transmitter **Other Transmitter Cost Not Listed**

Transmitter Information not provided.

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	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW

Manufacturer	
Model	ATW28H4- ETO-38H
Year	2011

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?	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)	700.0 kW
	Manufacturer	

Model	TFU-23JTH /VP-R 06
Year	2018
Justification for New Antenna	Our existing coaxial antenna is a single channel antenna tuned to channel 38 including Ellipitical polorization and cannot be retuned.

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	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	6 1/8 inches inches

Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Other Antenna Cost Not Listed

Name	Description
Top Plate Adapter	Adapted for the top of the tower to match the bolt pattern on the antenna

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	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	1
	Lower Limit	1 488.00 MHz
	Upper Limit	494.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	230.0 kW
	Manufacturer	
		TFU-WB24- C160H
	Year	2018

Justification for New Antenna	Interim
	antenna
	needed to
	continue
	broadcasting
	through the
	transition.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Interim Antenna

Other Antenna Cost Not Listed

Name	Description
Ice Shield	Ice shield to protect interim antenna

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	ERI
	Туре	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	2050 feet per run

Primary

Other Transmission Line Expenses Not Listed

Transmission	Name	Description	
	Sweep Test	Sweep test of existing transmission line	
	Primary Transmission Line- Additional Pieces Required	Primary Transmission Line- Additional Pieces Required	

Interim Transmissio

New Transmission Line

section	Question	Response
New Transmission Line	Use	Interim
Costs	Description of Use	N/A
	Change Type	Purchase New
	Туре	Flexible Air
	Diameter	4 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	1
	Length	1680 feet per run
	Justification for New Transmission Line	Interim line needed to continue broadcasting during the transition period.

Interim

Other Transmission Line Expenses Not Listed

Transmissionnioinetion 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?	Yes
Existing Tower Structure	Do you have a tower registration number?	Yes
Registration	ASR Number	1033664
Coordinates (NAD83 (North American Datum of	Latitude (NAD83)	44° 39' 50.0" N-
1983))	Longitude (NAD83)	090° 57' 41.0" W-
	Overall Structure Height	1997.68 fe
	Support Structure Height	1895.97 fe
	Ground Elevation Above Mean Sea Level (AMSL)	1096.77 fe

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Gray Television Group, Inc.
Date Constructed	03/23/1981

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
9866	WAXX	FM
185159	WWJC	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:	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?	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	900
	Explanation	Strategic Support
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	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	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)	Yes
RF Field Engineering Services	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
	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside
Other Professional Services Expenses Not Listed
Professional Services ©qstsided.

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	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses

Other Expenses Not Listed

Name	Description
Security	Security for site while equipment is being stored.
Equipment Rental	Equipment rental required for repack

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
Interim Transmitter ULXTE-40	\$949,000.00	\$784,269.26		\$782,269.26	
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.	\$2,000.00	\$2,000.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$782,269.26	see Estimated Cost Justification WEAU-180- New Interim Transmitter v0	\$782,269.26	N/A
Primary Transmitter ULXTE-120	\$2,408,976.96	\$2,408,976.96		\$2,096,278.12	

UHF - Liquid Cooled Solid State Transmitter 76 kW	\$2,255,657.96	\$2,255,657.96	Includes tax and shipping.	\$2,085,413.54	N/A
Transmitter remote control	\$6,000.00	\$6,000.00	N/A	N/A	N/A
Concrete Cutting Work	\$690.00	\$690.00	See attached ERV Smith Services, Inc. quote date 6/20 /17 for concrete cutting work.	\$164.58	N/A
Pad for Heat Exchangers	\$10,700.00	\$10,700.00	See attached ERV Smith Services, Inc. quote dated 6/20 /17 for concrete pad work. ERV Smith Services, Inc. invoice 3068346.	\$10,700.00	N/A

Other	\$135,929.00	\$135,929.00	B&B	N/A	N/A
Electrical			Electric		
Service: The			Quote		
new			Dated June		
transmitter will			21, 2017		
require			tax		
reconfiguration			included;		
of the			Revised B		
electrical			& B Electric		
service on			Quote		
site. The			dated		
electrical work			March 20,		
cost has been			2019		
estimated					
based on					
verbal					
guidance from					
local electrical					
contractors.					
Sub-total	\$3,357,976.96	\$3,193,246.22	N/A	\$2,878,547.38	N/A
Total for all systems	\$5,145,372.61	\$5,050,826.66	N/A	\$4,038,282.59	N/A

Components

Actual Information Description	File Name
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.	Information not provided.

UHF - Liquid Cooled Solid		
State Transmitter 21 - 31 kW	Component Description:	U LXTE-40
		Transmitter
	Amount:	\$191,442.89
	Component Description:	ULXTE-40
	Component Description.	Transmitter
	Amount:	\$79,071.64
	7	φτο,ον πο τ
	Commonant Decemention	LILVEE 40
	Component Description:	ULXTE-40 Transmitter
	Amazzati	
	Amount:	\$511,754.73
UHF - Liquid Cooled Solid		
State Transmitter 76 kW	Component Description:	ULXTE-120
	Component Description.	Transmitter
	Amount:	\$147,293.78
	Allounc	Ψ147,230.70
	Component Description	LII VTE 420
	Component Description:	ULXTE-120
	Amount:	Transmitter
	Amount.	\$1,369,932.06
		-
	Component Description:	Transmitter
	Amount:	\$568,187.70
Transmitter remote control	Information not provided.	
Concrete Cutting Work		
	Component Description:	Metal Plates
	Amount:	\$164.58
Pad for Heat Exchangers		
. da for Float Exchangers	Component Deceriation	Pour Additional
	Component Description:	Pour Additional Concrete Slab &
		Fabricate & Install
		Shield
		Silielu
	Amount:	\$10,700.00

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.

Information not provided.

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-WB24- C160H	\$226,838.57	\$178,423.07		\$178,423.07	
Ice Shield	\$7,458.57	\$7,458.57	Please see WEAU New Interim Antenna Ice Shield Revision Justification Cover Letter	\$7,458.57	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$3,884.00	N/A	\$3,884.00	N/A
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$160,680.50	see Estimated Cost Justification WEAU-280- New Interim Antenna v0	\$160,680.50	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A

Primary Antenna TFU-23JTH /VP-R 06	\$328,082.00	\$266,558.97		\$225,535.14	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna, elliptically or circularly polarized	\$289,500.00	\$222,846.97	N/A	\$181,823.14	N/A
Top Plate Adapter	\$19,552.00	\$19,552.00	N/A	\$19,552.00	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$17,760.00	JEHQ1285- 03	\$17,760.00	N/A
Sub-total	\$554,920.57	\$444,982.04	N/A	\$403,958.21	N/A
Total for all systems	\$5,145,372.61	\$5,050,826.66	N/A	\$4,038,282.59	N/A

Components

Actual Information	
Description	File Name

Ice Shield		
	Component Description:	WEAU-280-Ice
		Shield - Interim
		Antenna
	Amount:	\$7,458.57
Side mount brackets for		
nigh power antennas (if not	Component Description:	Side Mount
included in antenna base cost)		Brackets Interim
		Antenna
	Amount:	\$971.00
	Component Description:	WEAU-280-Side
	Component Description.	mount brackets
		New Interim
		Antenna
	Amount:	\$776.80
	Component Description	WEAU Side Mount
	Component Description:	Brackets New
		Interim Antenna
	Amount:	\$971.00
	7	ψονσο
	Component Description:	Side Mount
		Brackets Interim
		Antenna
	Amount:	\$1,165.20

UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized

Component Description: UHF -

BROADBAND

SLOT

Amount: \$35,506.10

Component Description: UHF -

BROADBAND SLOT, SIDE MOUNT AUX /INTERIM

Amount: \$39,117.00

Component Description: UHF - Broadband

slot, side mount aux/interim, Side mount brackets,

etc.

Amount: \$39,117.00

Component Description: UHF Broadband

SLOT, SIDE Mount

AUX/Interim

Amount: \$46,940.40

Sweep test of existing		
antenna	Component Description:	WEAU Sweep Test
		New Interim
		Antenna
	Amount:	\$1,600.00
	Component Description:	WEAU-280-Sweep
		test New Interim
		Antenna
	Amount:	\$1,280.00
	Component Description:	Sweep Test
		Interim Antenna
	Amount:	\$1,920.00
	Component Description:	Sweep Test
		Interim Antenna
	Amount:	\$1,600.00
Sweep test of existing		
antenna	Component Description:	WEAU-210-Sweep
		test New Primary
		Antenna
	Amount:	\$1,280.00
	Component Description:	WEAU-210-Sweep
		test New Primary
		Antenna
	Amount:	\$1,600.00
	Component Description:	Sweep test new
		primary antenna
	Amount:	\$1,600.00
	Component Description:	Sweep Test
		Interim Antenna

UHF - High Power Top Mount (200-1000 kW), One station antenna, elliptically or circularly polarized

Component Description: UHF-HIGH

> POWER TOP MOUNT (200-

1000KW)

\$44,048.15 Amount:

Component Description: UHF-High Power

> Top Mount, New Top Plate, Elbow Complex, Field Engineer

Amount: \$43,054.68

Component Description: UHF High Power

Top Mount, etc.

Amount: \$51,665.63

Component Description: UHF-HIGH

> POWER TOP MOUNT (200-1000KW)

Amount: \$43,054.68

Top Plate Adapter		
	Component Description:	WEAU-210-Top plate adapter New Primary Antenna
	Amount:	\$3,910.40
	Component Description:	WEAU-210-Top plate adapter New Primary Antenna
	Amount:	\$4,888.00
	Component Description:	Top Plate Adapter new primary antenna
	Amount:	\$5,865.60
	Component Description:	Top plate adapter new primary

Amount:

\$4,888.00

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)

Component Description: WEAU-210-Elbow

complex New

Primary Antenna

Amount: \$3,552.00

Component Description: Elbow complex

new primary antenna

Amount: \$4,440.00

Component Description: Elbow Complex

New Primary

Antenna

Amount: \$5,328.00

Component Description: WEAU-210-Elbow

complex New Primary Antenna

Amount: \$4,440.00

Transmission Line

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

Description Interim	Predetermined Cost Estimate \$124,320.00	Estimated Cost \$77,375.32	Estimated Cost Justification	Actual Cost \$77,375.28	Actual Cost Justification
Transmission Line	ψ124,320.00	Ψ11,313.32		Ψ11,313.20	
Flexible Air Transmission Line - dielectric, 4"	\$124,320.00	\$77,375.32	see Estimated Cost Justification WEAU-380- Interim Transmission Line v0	\$77,375.28	N/A
Primary Transmission Line	\$14,376.50	\$14,376.50		\$13,952.75	
Primary Transmission Line- Additional Pieces Required	\$7,976.50	\$7,976.50	Please see DTVPros change order 236-CO-1	\$7,976.50	N/A
Sweep Test	\$6,400.00	\$6,400.00	N/A	\$5,976.25	N/A
Sub-total	\$138,696.50	\$91,751.82	N/A	\$91,328.03	N/A
Total for all systems	\$5,145,372.61	\$5,050,826.66	N/A	\$4,038,282.59	N/A

Actual Information		
Description	File Name	

Flexible Air Transmission Line - dielectric, 4"		
Line - dielectric, 4	Component Description:	WEAU-380-Interim
	Amazzat	Transmission Line
	Amount:	\$23,847.78
	Component Description:	WEAU Interim
		Transmission Line
	Amount:	\$16,727.35
	Component Description:	Interim
		Transmission Line
	Amount:	\$20,072.80
	Component Description:	Interim
		Transmission Line
	Amount:	\$16,727.35
Primary Transmission Line-		
Additional Pieces Required	Component Description:	WEAU-310-
		Primary
		Transmission Line- Additional
		Pieces Required
	Amount:	\$7,976.50
Sweep Test		
	Component Description:	REPACK
		INVOICE
	Amount:	\$2,901.25
	Component Description:	Sweep Test of
		Transmission Line
		and Antenna
	Amount:	\$3,075.00

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 Primary Tower TOWER	Predetermined Cost Estimate \$819,100.00	Estimated Cost \$1,060,543.00	Estimated Cost Justification	Actual Cost \$510,549.32	Actual Cost Justification
Tower Helicopter Lift	\$175,000.00	\$175,000.00	Please see WEAU GTI America quote Q17- 06-021d and helicopter services email	\$131,250.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	\$7,750.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	N/A	N/A
Tall Tower (greater than 500')	\$210,500.00	\$473,543.00	Please see quotes Q17-06- 021c and Q17-06- 021d	\$371,549.32	N/A
Sub-total	\$819,100.00	\$1,060,543.00	N/A	\$510,549.32	N/A
Total for all systems	\$5,145,372.61	\$5,050,826.66	N/A	\$4,038,282.59	N/A

Actual Information		
Description	File Name	

Tower Helicopter Lift		
	Component Description:	WEAU-410-
		Helicopter service existing tower
	Amount:	\$131,250.00
Structural engineering tower		
load study for well documented tower	Component Description:	Perform structural analysis
	Amount:	\$6,250.00
	Component Description:	Site specific wind
		and ice analysis
		survey performed
		by International CLimate
		Evaluations
	Amount:	\$1,500.00
Major tower reinforcement /modifications	Information not provided.	

Tall Tower (greater than 500')

Component Description: WEAU-410-Install

antennas and lines existing tower

Amount: \$7,458.57

Component Description: "Tower rigging

services - Tall Tower (500')

Auxiliary Antenna"

Amount: \$122,657.25

Component Description: Phase 3:

Completion of 4 coax installation and entire project

Amount: \$87,817.72

Component Description:

Amount:

Labor \$31,999.99

Component Description: Tower rigging

services - Tall Tower (greater

500")

Amount: \$77,500.00

Component Description: Antenna

Installation at 1558 AGL

Amount: \$39,999.99

Component Description: J-BOLT HDG 3/8-

16 X 4 W/NUT, FW & LW- 3/8" x

4"

Amount: \$4,115.80

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 Co
Outside Professional Services	\$178,700.00	\$170,975.00		\$122,038.50	
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$124.50	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	N/A	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	\$3,500.00	N/A	\$1,525.00	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	\$1,500.00	N/A	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$250.00	Please see WEAU RF Eng Auxiliary License to Cover Budget Revision Justification Letter	\$250.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$300.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$5,975.00	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$5,975.00	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
Project management of the transition	\$142,200.00	\$135,000.00	N/A	\$109,792.50	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$3,875.00	N/A
Sub-total	\$178,700.00	\$170,975.00	N/A	\$122,038.50	N/A
Total for all systems	\$5,145,372.61	\$5,050,826.66	N/A	\$4,038,282.59	N/A

Actual Information Description	File Name	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	Professional Services \$124.50
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.	
ASR modification (prepare FCC Form 854)	Information not provided.	

Attorney Fees - Prepare and File request for Special Temporary Authorization	Component Description: Amount:	WEAU-550- Attorney fees STA \$83.00
	, uno unu	\$60.00
	Component Description:	Total Professional
	Amount:	Services \$166.00
	Component Description:	For Professional
	Amount:	Services Rendered \$740.00
	Component Description:	Prepare CP
	Amount:	extension request. \$536.00
Attorney Fees - Prepare and File FCC Form 2100 (main),		
Construction Permit Application	Component Description:	Complete legal section and file initial repack CP
	Amount:	application \$196.50
Prepare request for Special Temporary Authorization	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna:	Component Description:	"Regarding repack
Prepare engineering section	Component Description.	Ch-17 auxiliary
of FCC Form 2100, License to Cover Application		antenna facility,
io oover application		develop final
		operating
		constants, preparation of
		engineering
		portions of FCC
		application for
		license to cover."
	Amount:	\$250.00

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	Regarding repack Ch-17 top-mount main antenna \$300.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Preparation of engineering portions \$2,550.00
	Component Description: Amount:	Prepare engineering section of FCC Form 2100 \$1,575.00
	Component Description: Amount:	Develop final configuration for main antenna \$1,850.00
Address transition timing and coordination issues w/other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	Information not provided.	
Project management of the transition	Component Description: Amount:	Project Management \$28.20
	Component Description: Amount:	Project Management \$733.30

Project

Management \$3,960.55

Component Description:

Project

Amount:

Amount:

Management \$4,370.15

Component Description:

Project

Amount:

Management \$8,601.60

Component Description:

Project

Amount:

management \$2,895.65

Component Description:

Project

Amount:

Management \$1,990.95

Component Description:

Project

Amount:

Management \$2,036.05

Component Description:

Project

Amount:

Management \$1,798.75

Component Description:

Project

Amount:

Management \$1,821.95

Component Description:

Project

Amount:

Management

\$7,934.95

Project

Management

\$2,362.15

Component Description:

Project Management

Amount:

Amount:

\$2,920.20

Component Description:

Project

Amount:

Management \$2,516.70

Component Description:

Project

Amount:

Management \$1,613.15

Component Description:

Project

Amount:

Management

\$1,936.65

Component Description:

Project

Amount:

Management \$2,423.55

Component Description:

Project

Amount:

Management

\$2,866.90

Component Description:

Project

Amount:

Management \$802.25

Component Description:

Project

Amount:

Management \$2,681.30

Project Management

Amount:

\$2,316.85

Component Description:

Project

Amount:

Management \$2,053.25

Component Description:

Project

Amount:

Management \$2,356.15

Component Description:

Project

Amount:

Management \$1,026.45

Component Description:

Project

Amount:

Management \$1,623.10

Component Description:

Project

Amount:

management \$2,442.65

Component Description:

Project

Amount:

Management

\$5,024.75

Component Description:

Project

Amount:

Management \$3,013.55

Component Description:

Project

Amount:

Management \$3,502.05

Project Management

Amount:

\$1,781.25

Component Description:

Project

Amount:

Management \$2,206.90

Component Description:

Project

Amount:

Management \$2,443.40

Component Description:

Project

Amount:

management \$1,328.55

Component Description:

Project

Amount:

Management

\$3,093.80

Component Description:

Project

Amount:

Management \$1,676.50

Component Description:

Project

Amount:

Management \$2,123.35

Component Description:

Project

Amount:

Management \$2,208.25

Component Description:

Project

Amount:

Management \$2,712.45

Project

Management \$1,863.20

Component Description:

Project

Management

Amount:

Amount:

\$1,726.65

Component Description:

Project

Management

Amount:

\$1,895.60

Component Description:

Project

Management

Amount:

\$1,928.85

Component Description:

Transition Related

Project

Management

Costs

Amount: \$3,150.00

Perform engineering study for new channel assignment and antenna development

Component Description: Consulting

Engineer

Amount: \$575.00

Component Description: Consulting

Engineer

Amount: \$1,375.00

Component Description: Consulting

Engineer - J.

Davis - Hourly

Amount: \$100.00

Component Description: Perform

engineering study for new channel assignment

Amount: \$950.00

Component Description: Perform

engineering study for new channel assignment

Amount: \$875.00

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	\$95,978.58	\$89,328.58		\$31,861.15	
Equipment Rental	\$1,200.00	\$1,200.00	Please see National Tower Controls, LLC quote 2195	N/A	N/A
Security	\$12,000.00	\$12,000.00	N/A	\$4,533.75	N/A
MVPD Notification of Channel Change	\$2,166.50	\$2,166.50	see Estimated Cost Justification WEAU-610- MVPD Notifications v0	\$2,166.50	N/A
Develop and air announcement of upcoming channel change	\$10,000.00	\$10,000.00	N/A	\$370.00	N/A
Equipment Storage	\$13,542.08	\$13,542.08	Please See Estimated Cost Justification WEAU-610- Equipment Storage v0	\$13,542.08	N/A
Equipment Delivery and Handling Charges	\$15,000.00	\$15,000.00	N/A	\$8,038.82	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	\$18,990.00	\$18,990.00	See attached OK Tower Service estimate #413.	\$1,900.00	N/A
Non-zoning permits	\$11,000.00	\$11,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$2,420.00	see Estimated Cost Justification WEAU-610- STA FCC Filing Fees v1	\$1,310.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$2,685.00	N/A	N/A	N/A
Sub-total	\$95,978.58	\$89,328.58	N/A	\$31,861.15	N/A
Total for all systems	\$5,145,372.61	\$5,050,826.66	N/A	\$4,038,282.59	N/A

Actual Information Description	File Name	
Equipment Rental	Information not provided.	
Security		
	Component Description:	Physical Security Officer
	Amount:	\$4,533.75

MVPD Notification of Channel Change	Component Description:	For Professional
		Services
		Rendered
	Amount:	\$2,166.50
Develop and air		
announcement of upcoming	Component Description:	Total Professional
channel change		Services
	Amount:	\$370.00
Equipment Storage		
	Component Description:	Rent 4/7-5/4
	Amount:	\$380.00
	Component Description:	Delivery Rent
	Amount:	\$1,112.08
	Component Description:	Rent
	Amount:	\$1,520.00
	Amount	Ψ1,020.00
	Component Description:	WEAU-610-
		Equipment
		Storage
	Amount:	\$10,530.00
Equipment Delivery and		
Handling Charges	Component Description:	United Rentals
	Amount:	\$3,694.88
	Component Description:	Labor
	Amount:	\$2,903.87
	Component Description:	Labor

Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description:	30Y ROLLOFF
let of arry salvage value)		TRASH
		REMOVAL 07/30
		/20-08/10/20
	Amount:	\$700.00
	Component Description:	Clean out
		transmitter room
		and move items
	Amount:	\$1,200.00
Non-zoning permits	Information not provided.	
FCC Filing Fees - Special		
Temporary Authorization	Component Description:	WEAU-610-STA
request		FCC Filing Fees
	Amount:	\$1,110.00
	Component Description:	WEAU-610-STA
	Sampanoni Socialificani	FCC Filing Fees
	Amount:	\$200.00
FCC Filing Fees - Form	Information not provided.	
2100 license to cover application		
OTV Medical Facility Notification	Information not provided.	

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$5,145,372.61	\$5,050,826.66	\$4,038,282.59

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 Folliard , III

Assistant Secretary

09/30/2020

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 Folliard , III

Assistant Secretary

09/30/2020

Attachments