



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **7893** | Service: **DTV** | Call **WEAU** | Channel: **17 (UHF)**  
ID: | Sign:  
File **0000028728**  
Number:  
FRN: **0018223693** | Date **12/16**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>GRAY TELEVISION LICENSEE, LLC</b>	Robert Folliard 4370 Peachtree Road Atlanta, GA 30319 United States	+1 (202) 750-1585	Robert. Folliard@gray. tv	Limited Liability Company

## Reimbursement Contact Information

### Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

## Preparer Contact Information

### Preparer Contact Name and Information

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

**Broadcaster  
Information  
and  
Transition  
Plan**

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

Section	Question	Response
<b>Transmitter Related Expenses</b>	Do you have transmitter related expenses?	Yes

**Primary  
Transmitter**

**Existing Transmitter Information**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<b>Existing Transmitter Description</b>	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	PRW90D3
	Year	2011
	Type	Inductive Output Tube
	IOT Power Type	Three
	Power Capacity	90 kW

**Primary  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	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**

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

	Description	The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

**Primary Transmitter**

**Other Transmitter Cost Not Listed**

Name	Description
<b>Pad for Heat Exchangers</b>	Additional Heat Exchanger Concrete Pad plus Ice shield
<b>Transmitter remote control</b>	New transmitter will not work with existing remote control system.

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**Concrete Cutting Work**

Cutting holes in concrete walls and floors for pipes and electrical.

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**Interim  
Transmitter**

**New Transmitter Costs**

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

	Description	The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
<b>Inside RF System</b>	Is an additional interior RF system required to support this interim transmitter?	No

**Interim Transmitter** **Other Transmitter Cost Not Listed**  
Information not provided.



**Antennas**

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

**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	1000.0 kW

Manufacturer	
Model	ATW28H4- ETO-38H
Year	2011

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**Primary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	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
<b>New Antenna Manufacturer and Types</b>	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) .....	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 Elliptical polarization and cannot be returned.

**Primary Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches

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

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

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

**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
<b>New Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	1
	Lower Limit	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	
	Model	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
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an antenna?	Yes
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**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?

**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	ERI
	Type	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 Transmission Line**      **Other Transmission Line Expenses Not Listed**

Name	Description
Sweep Test	Sweep test of existing transmission line

**Interim Transmission Line**      **New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	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 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?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1033664
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	44° 39' 50.0" N-
	Longitude (NAD83)	090° 57' 41.0" W-
	Overall Structure Height	1997.68 feet
	Support Structure Height	1895.97 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1096.77 feet

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
185159	WWJC	FM
9866	WAXX	FM

**Primary Tower**

**Tower Modification Costs**

Section	Question	Response
<b>Engineering Study</b>	Please what type of engineering study is required, if any:	Study needed for documented tower
<b>Tower Reinforcements</b>	Please select whether tower reinforcements are needed:	Major Reinforcements needed

**Primary Tower**

**Tower Rigging Costs**

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

**Primary  
Tower**

**Other Tower Expenses Not Listed**

Information not provided.

**Outside Professional Services Costs**

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

	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

**Outside Professional Services Costs**      **Other Professional Services Expenses Not Listed**  
Information not provided.

**Other Expenses**

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

**Cost Information**

**Transmitters**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Interim Transmitter ULXTE-40</b>	<b>\$949,000.00</b>	<b>\$738,978.18</b>		<b>\$511,754.73</b>	
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$736,978.18	Please see the attached Gatesair quote (JW30004530-1)	\$511,754.73	N/A
Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	<i>\$2,000.00</i>	\$2,000.00	N/A	N/A	N/A
<b>Primary Transmitter ULXTE-120</b>	<b>\$2,408,976.96</b>	<b>\$2,408,976.96</b>		<b>\$1,380,632.06</b>	
Concrete Cutting Work	<i>\$690.00</i>	\$690.00	See attached ERV Smith Services, Inc. quote date 6/20/17 for concrete cutting work.	N/A	N/A

Transmitter remote control	<i>\$6,000.00</i>	\$6,000.00	N/A	N/A	N/A
Pad for Heat Exchangers	<i>\$10,700.00</i>	\$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 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.	<i>\$135,929.00</i>	\$135,929.00	B&B Electric Quote Dated June 21, 2017 tax included; Revised B & B Electric Quote dated March 20, 2019	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 76 kW	<i>\$2,255,657.96</i>	\$2,255,657.96	Includes tax and shipping.	\$1,369,932.06	N/A
<b>Sub-total</b>	\$3,357,976.96	\$3,147,955.14	N/A	\$1,892,386.79	N/A
<b>Total for all systems</b>	\$4,949,648.96	\$4,642,665.25	N/A	\$2,411,753.48	N/A

## Components

Actual Information	
Description	File Name

<p>UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW</p>	<p><b>Component Description:</b> ULXTE-40 Transmitter</p> <p><b>Amount:</b> \$511,754.73</p>
<p>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.</p>	<p>Information not provided.</p>
<p>Concrete Cutting Work</p>	<p>Information not provided.</p>
<p>Transmitter remote control</p>	<p>Information not provided.</p>
<p>Pad for Heat Exchangers</p>	<p><b>Component Description:</b> Pour Additional Concrete Slab &amp; Fabricate &amp; Install Shield</p> <p><b>Amount:</b> \$10,700.00</p>
<p>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.</p>	<p>Information not provided.</p>
<p>UHF - Liquid Cooled Solid State Transmitter 76 kW</p>	<p><b>Component Description:</b> ULXTE-120 Transmitter</p> <p><b>Amount:</b> \$1,369,932.06</p>

**Cost Information**

**Antennas**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Interim Antenna TFU-WB24-C160H</b>	<b>\$219,380.00</b>	<b>\$166,752.00</b>		<b>\$133,401.60</b>	
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$3,884.00	N/A	\$3,107.20	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,120.00	N/A
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$156,468.00	N/A	\$125,174.40	N/A
<b>Primary Antenna TFU-23JTH /VP-R 06</b>	<b>\$328,082.00</b>	<b>\$266,558.97</b>		<b>\$172,744.59</b>	
Top Plate Adapter	<i>\$19,552.00</i>	\$19,552.00	N/A	\$15,641.60	N/A

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$17,760.00	JEHQ1285-03	\$14,208.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,120.00	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	\$137,774.99	N/A
<b>Sub-total</b>	\$547,462.00	\$433,310.97	N/A	\$306,146.19	N/A
<b>Total for all systems</b>	\$4,949,648.96	\$4,642,665.25	N/A	\$2,411,753.48	N/A

## Components

Actual Information	
Description	File Name

Side mount brackets for high power antennas (if not included in antenna base cost)	<p><b>Component Description:</b> Side Mount Brackets Interim Antenna</p> <p><b>Amount:</b> \$971.00</p>
	<p><b>Component Description:</b> WEAU Side Mount Brackets New Interim Antenna</p> <p><b>Amount:</b> \$971.00</p>
	<p><b>Component Description:</b> Side Mount Brackets Interim Antenna</p> <p><b>Amount:</b> \$1,165.20</p>
Sweep test of existing antenna	<p><b>Component Description:</b> Sweep Test Interim Antenna</p> <p><b>Amount:</b> \$1,600.00</p>
	<p><b>Component Description:</b> WEAU Sweep Test New Interim Antenna</p> <p><b>Amount:</b> \$1,600.00</p>
	<p><b>Component Description:</b> Sweep Test Interim Antenna</p> <p><b>Amount:</b> \$1,920.00</p>

<p>UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized</p>	<p><b>Component Description:</b> UHF Broadband SLOT, SIDE Mount AUX/Interim</p> <p><b>Amount:</b> \$46,940.40</p>
	<p><b>Component Description:</b> UHF - Broadband slot, side mount aux/interim, Side mount brackets, etc.</p> <p><b>Amount:</b> \$39,117.00</p>
	<p><b>Component Description:</b> UHF - BROADBAND SLOT, SIDE MOUNT AUX /INTERIM</p> <p><b>Amount:</b> \$39,117.00</p>
<p>Top Plate Adapter</p>	<p><b>Component Description:</b> Top plate adapter new primary antenna</p> <p><b>Amount:</b> \$4,888.00</p>
	<p><b>Component Description:</b> Top Plate Adapter new primary antenna</p> <p><b>Amount:</b> \$5,865.60</p>
	<p><b>Component Description:</b> WEAU-210-Top plate adapter New Primary Antenna</p> <p><b>Amount:</b> \$4,888.00</p>



<p>Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)</p>	<p><b>Component Description:</b> Elbow Complex New Primary Antenna  <b>Amount:</b> \$5,328.00</p>
	<p><b>Component Description:</b> Elbow complex new primary antenna  <b>Amount:</b> \$4,440.00</p>
	<p><b>Component Description:</b> WEAU-210-Elbow complex New Primary Antenna  <b>Amount:</b> \$4,440.00</p>
<p>Sweep test of existing antenna</p>	<p><b>Component Description:</b> Sweep Test Interim Antenna  <b>Amount:</b> \$1,920.00</p>
	<p><b>Component Description:</b> Sweep test new primary antenna  <b>Amount:</b> \$1,600.00</p>
	<p><b>Component Description:</b> WEAU-210-Sweep test New Primary Antenna  <b>Amount:</b> \$1,600.00</p>

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

**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 (200-1000KW)

**Amount:**

\$43,054.68

**Component Description:**

UHF High Power Top Mount, etc.

**Amount:**

\$51,665.63

**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
<b>Interim Transmission Line</b>	<b>\$124,320.00</b>	<b>\$81,859.14</b>		<b>\$53,527.50</b>	
Flexible Air Transmission Line - dielectric, 4"	\$124,320.00	\$81,859.14	N/A	\$53,527.50	N/A
<b>Primary Transmission Line</b>	<b>\$6,400.00</b>	<b>\$6,400.00</b>		<b>\$3,075.00</b>	
Sweep Test	<i>\$6,400.00</i>	\$6,400.00	N/A	\$3,075.00	N/A
<b>Sub-total</b>	<b>\$130,720.00</b>	<b>\$88,259.14</b>	<b>N/A</b>	<b>\$56,602.50</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$4,949,648.96</b>	<b>\$4,642,665.25</b>	<b>N/A</b>	<b>\$2,411,753.48</b>	<b>N/A</b>

**Components**

Actual Information Description	File Name
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Flexible Air Transmission Line - dielectric, 4"	<p><b>Component Description:</b> Interim Transmission Line</p> <p><b>Amount:</b> \$16,727.35</p>
	<p><b>Component Description:</b> Interim Transmission Line</p> <p><b>Amount:</b> \$20,072.80</p>
	<p><b>Component Description:</b> WEAU Interim Transmission Line</p> <p><b>Amount:</b> \$16,727.35</p>
Sweep Test	<p><b>Component Description:</b> Sweep Test of Transmission Line and Antenna</p> <p><b>Amount:</b> \$3,075.00</p>

**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
<b>Primary Tower TOWER</b>	<b>\$644,100.00</b>	<b>\$722,000.00</b>		<b>\$85,250.00</b>	
Tall Tower (greater than 500')	\$210,500.00	\$310,000.00	The estimated cost was exceeded for the "Tall Tower (greater than 500')" work. Please look at the invoice labeled as "Q17-06-021c WEAU Eau Claire WI antenna install Rev 1 _ 8-27-2018"	\$77,500.00	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
<b>Sub-total</b>	<b>\$644,100.00</b>	<b>\$722,000.00</b>	N/A	<b>\$85,250.00</b>	N/A
<b>Total for all systems</b>	<b>\$4,949,648.96</b>	<b>\$4,642,665.25</b>	N/A	<b>\$2,411,753.48</b>	N/A

## Components

Actual Information Description	File Name
Tall Tower (greater than 500')	<p><b>Component Description:</b> Tower rigging services - Tall Tower (greater 500")</p> <p><b>Amount:</b> \$77,500.00</p>
Structural engineering tower load study for well documented tower	<p><b>Component Description:</b> Site specific wind and ice analysis survey performed by International CLimate Evaluations</p> <p><b>Amount:</b> \$1,500.00</p> <p><b>Component Description:</b> Perform structural analysis</p> <p><b>Amount:</b> \$6,250.00</p>
Major tower reinforcement /modifications	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
<b>Outside Professional Services</b>	<b>\$177,120.00</b>	<b>\$167,750.00</b>		<b>\$71,368.00</b>	
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	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$196.50	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,575.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$1,825.00	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	\$67,771.50	N/A
<b>Sub-total</b>	\$177,120.00	\$167,750.00	N/A	\$71,368.00	N/A
<b>Total for all systems</b>	\$4,949,648.96	\$4,642,665.25	N/A	\$2,411,753.48	N/A

## Components

Actual Information	
Description	File Name
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	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<p><b>Component Description:</b> Complete legal section and file initial repack CP application</p> <p><b>Amount:</b> \$196.50</p>
Prepare request for Special Temporary Authorization	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.

<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<p><b>Component Description:</b> Prepare engineering section of FCC Form 2100</p> <p><b>Amount:</b> \$1,575.00</p>
<p>Perform engineering study for new channel assignment and antenna development</p>	<p><b>Component Description:</b> Perform engineering study for new channel assignment</p> <p><b>Amount:</b> \$950.00</p> <p><b>Component Description:</b> Perform engineering study for new channel assignment</p> <p><b>Amount:</b> \$875.00</p>
<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<p>Information not provided.</p>
<p>Prepare and or review reimbursement form</p>	<p>Information not provided.</p>
<p>Project management of the transition</p>	<p><b>Component Description:</b> Project Management</p> <p><b>Amount:</b> \$1,798.75</p> <p><b>Component Description:</b> Project Management</p> <p><b>Amount:</b> \$1,821.95</p> <p><b>Component Description:</b> Project Management</p> <p><b>Amount:</b> \$2,866.90</p>

**Component Description:** Project Management  
**Amount:** \$802.25

**Component Description:** Project Management  
**Amount:** \$2,036.05

**Component Description:** Project Management  
**Amount:** \$1,928.85

**Component Description:** Project Management  
**Amount:** \$3,013.55

**Component Description:** Project Management  
**Amount:** \$2,053.25

**Component Description:** Project Management  
**Amount:** \$733.30

**Component Description:** Project Management  
**Amount:** \$1,026.45

**Component Description:** Project Management  
**Amount:** \$1,936.65

**Component Description:** Project management  
**Amount:** \$2,895.65

**Component Description:** Project  
Management  
**Amount:** \$2,356.15

**Component Description:** Project  
Management  
**Amount:** \$3,093.80

**Component Description:** Project  
Management  
**Amount:** \$1,623.10

**Component Description:** Project  
Management  
**Amount:** \$2,206.90

**Component Description:** Project  
management  
**Amount:** \$1,328.55

**Component Description:** Project  
Management  
**Amount:** \$2,516.70

**Component Description:** Project  
Management  
**Amount:** \$1,726.65

**Component Description:** Project  
Management  
**Amount:** \$2,316.85

**Component Description:** Project  
Management  
**Amount:** \$1,863.20

**Component Description:** Project management  
**Amount:** \$2,442.65

**Component Description:** Project Management  
**Amount:** \$2,920.20

**Component Description:** Project Management  
**Amount:** \$1,676.50

**Component Description:** Project Management  
**Amount:** \$1,990.95

**Component Description:** Project Management  
**Amount:** \$1,895.60

**Component Description:** Project Management  
**Amount:** \$28.20

**Component Description:** Project Management  
**Amount:** \$2,681.30

**Component Description:** Transition Related Project Management Costs  
**Amount:** \$3,150.00

**Component Description:** Project Management  
**Amount:** \$2,423.55

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,123.35

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,712.45

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,781.25

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**Cost Information**

**Other Expenses**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Other Expenses</b>	<b>\$92,270.00</b>	<b>\$83,390.00</b>		<b>\$0.00</b>	
MVPD Notification of Channel Change	<i>\$1,200.00</i>	\$1,200.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
Equipment Storage	<i>\$12,000.00</i>	\$12,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$15,000.00</i>	\$15,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$18,990.00</i>	\$18,990.00	See attached OK Tower Service estimate #413.	N/A	N/A
Non-zoning permits	<i>\$11,000.00</i>	\$11,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A

FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$2,685.00	N/A	N/A	N/A
Security	<i>\$12,000.00</i>	\$12,000.00	N/A	N/A	N/A
<b>Sub-total</b>	\$92,270.00	\$83,390.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$4,949,648.96	\$4,642,665.25	N/A	\$2,411,753.48	N/A

### Components

Information not provided.



**Cost Information** **Grand Total**

	<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>	<b>Actual Cost</b>
<b>Total for all systems</b>	\$4,949,648.96	\$4,642,665.25	\$2,411,753.48

**Reimbursement Status**

<b>Question</b>	<b>Response</b>
The facility has ceased operating on its pre-auction channel.	No
Construction of final facilities or all necessary modifications are complete.	No
All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Certification	Section	Question	Response
	<b>Submission of Estimated Expenses Statements</b>	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.</li> </ol>	

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

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 above-named applicant for the Authorization(s) specified above.

**Robert  
Folliard , III**  
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*Assistant  
Secretary*

12/16/2019

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

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

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 above-named applicant for the Authorization(s) specified above.

**Robert  
Folliard , III**  
.  
*Assistant  
Secretary*

12/16/2019

## Attachments