

(REFERENCE COPY - Not for submission)

## FCC Form 399: Reimbursement Request

Channel: 34 (UHF) Service: DTV Call WITN-TV Facility Sign:

ID:

File 0000028737

Number:

FRN: 0018223693 Date 06/18

> Submitted: /2020

#### **Applicant** Information

#### **Applicant Name, Type, and Contact Information**

Applicant	Address	Phone	Email	Applicant Type
GRAY TELEVISION LICENSEE, LLC Doing Business As: WITN	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.	Yes
Briefly describe transition plan	WITN will be transitioning from channel 32 to channel 34. The station will be replacing its existing antenna, transmitter. The station will be installing an interim transmitter, antenna, and transmission line.

## **Transmitters**

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	Sigma CD
	Year	2003
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	52 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	75.1 kW
	Justification for New Transmitter	Existing transmitter can't be retuned. Solid state replacement is cheaper than IOT replacement.

## Primary Transmitter

## **Other Transmitter Costs**

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

	Other Electrical Service	Yes
	Description	The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.
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
Pad and Ice Shield for Heat Exchangers	Pad and Ice Shield for New Heat Exchangers /Transformers
Laptop for Monitoring Transmitter	Laptop for Monitoring Transmitter

#### **Antennas**

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

## **Existing Antenna Information**

Existing Antenna	<u> </u>	
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	Тор
	Polarization	Horizontal
	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)	795.0 kW

Manufacturer	
Model	TFU30GTH- R-06
Year	2003

## **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	Тор	
	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)	828.0 kW	
	Manufacturer		

Model	TFU-30GTH /VP-R 06
Year	2017
Justification for New Antenna	Existing antenna is single channel and cannot be retuned to the new channel.

## **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
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## **Other Antenna Cost Not Listed**

Name	Description
Top Plate Adapter	Adapter for the top of the tower to match the bolt pattern of 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	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)	300.0 kW
	Manufacturer	
	Model	TFU26DSC- R-04-TC
	Year	2017

Justification for New Antenna	Interim
	antenna
	needed to
	continue
	broadcasting
	during
	transition
	period.

#### 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**

Name	Description
Splitter	Splitter at antenna

Transmission	Section .	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

## Primary Transmission

## **Existing Transmission Line**

Section 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	Dielectric
	Туре	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	Other
	Other Segment Length	18.76 feet
	Number of parallel runs	1
	Length	2000 feet per run

## Other Transmission Line Expenses Not Listed

## Primary Transmission

n Name	Description
Additional Transmission Line Parts	Additional Transmission Line Parts
Sweep Test	Sweep test needed for existing transmission line.
Sweep Test Adapter Rental	Rental of transmission line adapter for sweep test of existing transmission line.

#### Interim Transmission

#### **New Transmission Line**

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Туре	Rigid
	Diameter	6 1/8 inches
	Segment Length	Broadband
	Other Segment Length	
	Number of parallel runs	1
	Length	1747 feet per run
	Justification for New Transmission Line	Interim transmission line needed to continue broadcasting during transition period

Other Transmission Line Expenses Not Listed

Interim
Transmission Lineation 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?	
	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	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1006359
Coordinates (NAD83 (	Latitude (NAD83)	35° 21' 55.9" N-
North American Datum of 1983))	Longitude (NAD83)	077° 23′ 34.6″ W-
	Overall Structure Height	1984.88 feet
	Support Structure Height	1856.93 feet
	Ground Elevation Above Mean Sea Level (AMSL)	25.92 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	Tall Towers,
Date Constructed	02/12/2016

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
54388	WNCT-FM	FM
64609	WERO	FM
57838	WNCT-TV	DTV

## Primary Tower

#### **Tower Modification Costs**

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

#### Primary Tower

## **Tower Rigging Costs**

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

## Primary Tower

## Other Tower Expenses Not Listed

Name	Description
Tower Mapping	Mapping for tower

## 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	Yes
	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
	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
RF Field Engineering Services	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

## Other Professional Services Expenses Not Listed

I Services Costs	Description	
Attorney Fees - Other Matters	Legal Services	
Attorney Fees - Other Matters	Legal Services (2)	

# 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	Yes
	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
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Security	Security at 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
Primary Transmitter ULXTE-120	\$2,092,194.91	\$2,092,194.91		\$1,942,829.64	
Laptop for Monitoring Transmitter	\$446.18	\$446.18	Please see WITN-TV Primary Transmitter - Laptop Budget Revision Justification Letter	\$446.18	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.	\$77,750.00	\$77,750.00	See Pitt Electric Quote	\$29,371.25	N/A
Pad and Ice Shield for Heat Exchangers	\$39,654.00	\$39,654.00	See attached T. D. Goodwin Construction quote	\$25,781.28	N/A

UHF - Liquid	\$1,974,344.73	\$1,974,344.73	see	\$1,887,230.93	N/A
Cooled Solid			Estimated		
State			Cost		
Transmitter			Justification		
75.1 kW			WITN-110-		
			1st Primary		
			Transmitter		
			- UHF Liquid		
			Cooled		
			Solid State		
			75.1 kW v0		
Sub-total	\$2,092,194.91	\$2,092,194.91	N/A	\$1,942,829.64	N/A
Total for all	\$5,224,767.36	\$4,761,777.55	N/A	\$4,301,726.89	N/A
systems					

## Components

Actual Information Description	File Name	
Laptop for Monitoring Transmitter	Component Description: Amount:	laptop for transmitter \$446.18
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	Component Description: Amount:	Other Electrical \$28,000.00
guidance from local electrical contractors.	Component Description: Amount:	Other Electrical \$1,371.25

Pad and Ice Shield for Heat Exchangers	Component Description:	8/15/19welded
	Component Description:	angle iron
	Amount:	\$1,181.28
	Component Description:	Labor and
		materials to build
		and install 8' x 20'
		iceshield 10' high
	Amount:	\$24,600.00
JHF - Liquid Cooled Solid		
State Transmitter 75.1 kW	Component Description:	ULXTE-120
		Transmitter
	Amount:	\$144,586.34
	Commonsat Description	LILVIE 400
	Component Description:	ULXTE-120 Transmitter
	Amount:	\$377,707.19
		, , ,
	Component Description:	Invoice moved to
		Transmitter
		Electrical budget
	Amount:	category. N/A
	Amount.	N/A
	Component Description:	ULXTE-120
		Transmitter
	Amount:	\$1,364,501.66
	Component Description:	BW Distilled
	Amount:	\$435.74
	Component Description	Invoice moved to
	Component Description:	Invoice moved to Transmitter
		Electrical budget
		category.
	Amount:	~ ·

## **Cost Information**

#### **Antennas**

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

			Estimated		
Description	Predetermined Cost Estimate	Estimated Cost	Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU26DSC- R-04-TC	\$460,080.00	\$322,614.00		\$210,724.00	
UHF - Lower Power Side Mount, One station antenna 200-500 kW, elliptically or circularly polarized	\$227,000.00	\$132,907.50	***System Notice: Estimate adjusted and locked because line has been superseded. ***See vendor quote JEHQ1306	\$132,907.50	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$151,018.50	Please see vendor quote JEHQ1306, less amount already submitted for reimbursement	\$40,912.50	N/A
Splitter	\$0.00	\$0.00	Cost included with combiner system	N/A	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$19,520.00	N/A	\$19,520.00	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$12,768.00	N/A	\$10,984.00	N/A
Primary Antenna TFU-30GTH /VP-R 06	\$328,082.00	\$265,863.00		\$234,642.41	
Top Plate Adapter	\$19,552.00	\$19,552.00	N/A	\$15,641.60	N/A
Elbow complex, single channel, at antenna input, per 6 1/8.	\$12,300.00	\$12,768.00	JEHQ1278-01	\$12,768.00	N/A
feedline (if needed)					
	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N//

UHF - High	\$289,500.00	\$227,143.00	N/A	\$199,832.81	N/A
Power Top					
Mount					
(200-1000					
kW), One					
station					
antenna ,					
elliptically					
or					
circularly					
polarized					
Sub-total	\$788,162.00	\$588,477.00	N/A	\$445,366.41	N/A
Total for	\$5,224,767.36	\$4,761,777.55	N/A	\$4,301,726.89	N/A
all					
systems					

## Components

Actual Information Description	File Name	
UHF - Lower Power Side Mount, One station antenna 200-500 kW, elliptically or circularly polarized	Component Description: Amount:	UHF- LOW POWER SIDE MOUNT \$42,900.00
	Component Description:  Amount:	Invoice moved as the category has been superseded. N/A
	Component Description:	UHF-LOW POWER SIDE MOUNT
	Amount:  Component Description:	\$40,912.50  UHF-Low Power
	Amount:	Side Mount \$49,095.00

Sweep test of existing		
antenna	Component Description:	WITN-280-Interim
		Antenna - Sweep
		Test
	Amount:	\$1,600.00
	Component Description:	Sweep Test
		Interim Antenna
	Amount:	\$1,920.00
	Component Description:	WITN-280-Interim
		Antenna - Sweep
		Test
	Amount:	\$1,600.00
	Component Description:	WITN-280-Interim
		Antenna - Sweep
		Test
	Amount:	\$1,280.00
UHF - Lower Power Side		
Mount, One station - 200-500	Component Description:	Antenna
kW, horizontally polarized	Amount:	\$40,912.50
Splitter	Information not provided.	

Side mount brackets for high power antennas (if not included in antenna base cost)

Component Description: WITN-280-Interim

Antenna - Side Mount Brackets

**Amount:** \$3,904.00

Component Description: WITN-280-Interim

Antenna - Side Mount Brackets

**Amount:** \$4,880.00

Component Description: WITN-280-Interim

Antenna - Side Mount Brackets

**Amount:** \$4,880.00

Component Description: Side Mount

Brackets Interim

Antenna

**Amount:** \$5,856.00

Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Component Description:	WITN-280-Interim Antenna - Elbow
	Amount:	Complex, 6 1/8" \$2,746.00
	Component Description:	WITN-280-Interim Antenna - Elbow
	Amount:	Complex, 6 1/8" \$2,746.00
	Component Description:	WITN-280-Interim Antenna - Elbow Complex, 6 1/8"
	Amount:	\$2,196.80
	Component Description:	Elbow Complex Interim Antenna
	Amount:	\$3,295.20
Top Plate Adapter	Component Description:	WITN-210-Primary
	, and the second	Antenna - Top
	Amount:	Plate Adapter \$4,888.00
	Component Description:	WITN-210-Primary Antenna - Top
		Plate Adapter
	Amount:	\$4,888.00
	Amount:  Component Description:	•

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

**Component Description:** WITN-210-Primary

Antenna - Elbow Complex 6 1/8"

**Amount:** \$2,553.60

**Component Description:** WITN-210-Primary

Antenna - Elbow Complex 6 1/8"

**Amount:** \$3,192.00

**Component Description:** WITN-210-Primary

Antenna - Elbow Complex 6 1/8"

**Amount:** \$3,192.00

Component Description: New Primary

Antenna Elbow

Complex

**Amount:** \$3,830.40

Sweep test of existing		
antenna	Component Description:	Sweep Test New
		Primary Antenna
	Amount:	\$1,920.00
	Component Description:	WITN-210-Primary
		Antenna - Sweep
	Amount:	Test \$1,600.00
	Amount.	Ψ1,000.00
	Component Description:	WITN-210-Primary
		Antenna - Sweep Test
	Amount:	\$1,600.00
	Component Description:	WITN-210-Primary
		Antenna - Sweep Test
	Amount:	\$1,280.00
UHF - High Power Top Mount		
(200-1000 kW), One station antenna, elliptically or	Component Description:	UHF High Power
circularly polarized		Top Mount
	Amount:	\$51,617.62
	Component Description:	UHF-HIGH
		POWER TOP
		MOUNT (200- 1000KW)
	Amount:	\$51,617.62
	Component Description:	UHF-HIgh Power
	Amount:	top Mount \$34,656.42
	Amount.	ψυ <del>+</del> ,υυυ. <del>4</del> 2
	Component Description:	UHF-High Power
		Top Mount
	Amount:	\$61,941.15

#### **Transmission Line**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$405,304.00	\$275,216.00		\$268,516.89	
Rigid Transmission Line - copper, 6 1 /8" broadband	\$405,304.00	\$275,216.00	N/A	\$268,516.89	N/A
Primary Transmission Line	\$15,869.45	\$15,869.45		\$7,626.11	
Sweep Test Adapter Rental	\$2,800.00	\$2,800.00	See vendor invoice.	\$956.66	N/A
Sweep Test	\$6,400.00	\$6,400.00	N/A	N/A	N/A
Additional Transmission Line Parts	\$6,669.45	\$6,669.45	Please see line 5 on DTVPros quote JEHQ1278- 03, plus actual taxes on invoice 217- 3	\$6,669.45	N/A
Sub-total	\$421,173.45	\$291,085.45	N/A	\$276,143.00	N/A
Total for all systems	\$5,224,767.36	\$4,761,777.55	N/A	\$4,301,726.89	N/A

Actual Information	
Description	File Name

Rigid Transmission Line - copper, 6 1/8" broadband

Component Description: Interim

Transmission Line

**Amount:** \$77,085.36

Component Description: WITN-380-Interim

Transmission Line -

Rigid Copper, Broadband, 6 1/8"

**Amount:** \$2,845.00

Component Description: WITN-380-Interim

Transmission Line -

Rigid Copper, Broadband, 6 1/8"

**Amount:** \$64,237.78

Component Description: WITN-380-Interim

Transmission Line -

Rigid Copper,

Broadband, 6 1/8"

**Amount:** \$64,237.78

Component Description: N2-GEN(R) TL-

1050 Nitrogen

Generation System

**Amount:** \$12,869.53

Component Description: WITN-380-Interim

Transmission Line -

Rigid Copper, Broadband, 6 1/8"

**Amount:** \$47,241.44

Sweep Test Adapter Rental		
	<b>Component Description:</b>	Scissor Lift 19FT
		Narrow Elec
	Amount:	\$956.66
	Component Description:	Transmitter Tuning
	Amount:	\$2,800.00
Sweep Test	Information not provided.	
Additional Transmission Line		
Parts	Component Description:	WITN-310-Primary
		Transmission Line -
		Additional Parts
	Amount:	\$6,669.45

### **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
Primary Tower GTOWER	\$1,632,136.00	\$1,518,946.69		\$1,517,746.69
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$345,435.69	Please see attached Revised GTI America Quote Q17-06-012b and Dish Technologies Estimate 4812	\$345,435.69
Tower Helicopter Lift	\$128,586.00	\$128,586.00	Please see attached Revised GTI America Quote Q17-06-012b	\$128,586.00
Tower Mapping	\$17,950.00	\$17,950.00	See attached quote from Turris Engineering Inc.	\$17,950.00
Structural engineering tower load study for well documented tower	\$12,600.00	\$16,000.00	Initial plus two additional studies for shared tower	\$14,800.00
Serious tower reinforcement /modifications	\$1,052,000.00	\$1,010,975.00	see Estimated Cost Justification WITN-410- Existing Primary Tower - Serious Tower Reinforcement_Modifications v0	\$1,010,975.00
Sub-total	\$1,632,136.00	\$1,518,946.69	N/A	\$1,517,746.69
Total for all systems	\$5,224,767.36	\$4,761,777.55	N/A	\$4,301,726.89

Actual Information Description	File Name	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Component Description: Amount:	Mobilize crew to WITN tower \$61,505.26
	Component Description: Amount:	Tower Rigging Service \$106,216.27
	Component Description: Amount:	Dates completed 6 /22 and 6/23/19 \$4,900.00
	Component Description:  Amount:	Remove existing top mounted Ch 32 TFU30 antenna \$112,286.99
	Component Description:  Amount:	Tower rigging services - Tall Tower (500') \$60,527.17
Tower Helicopter Lift	Component Description:	WITN-410-Existing
	Amount:	Primary Tower - Tower Lift \$128,586.00

Tower Mapping		
	Component Description:	Equipment
		mapping
	Amount:	\$8,975.00
	Component Description:	Equipment
		mapping
	Amount:	\$8,975.00
Structural engineering tower		
load study for well documented tower	<b>Component Description:</b>	Specific Wind
documented tower		Study & Structural
		Re-Analysis and
		Report
	Amount:	\$6,000.00
	Component Description:	Tower Structural
	Component Book Iption.	Analysis Report for
		load case specified
		•

## Serious tower reinforcement /modifications

Component Description: 19-0029 1857ft

Kline 10Ft-face guyed Tower

Reinforcing Project

**Amount:** \$49,030.00

Component Description: 30% In Progress

Payment During Field Installation

**Amount:** \$294,180.00

**Component Description:** 25% Down

payment Due Upon acceptance

of order

**Amount:** \$245,150.00

Component Description: Weather Days

**During August** 

2019

**Amount:** \$30,375.00

Component Description: Tower Reinforcing

Project

**Amount:** \$392,240.00

### **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
Outside Professional Services	\$182,211.00	\$170,106.00		\$113,221.15	
Attorney Fees - Other Matters	\$1,406.00	\$1,406.00	Per Estimated Cost Justification WITN-550- Attorney Fees - Other Matters v1	\$1,406.00	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	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	\$429.50	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$758.00	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 attached justification for attorney fees - prepare and file Engineering Portion of FCC License to Cover Application for auxiliary facility	\$250.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$250.00	N/A

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$700.00	Please see the invoice Chesapeake RF Consultants, LLC. Invoice #5172	\$700.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,462.50	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$2,687.50	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	\$105,277.65	N/A
Sub-total	\$182,211.00	\$170,106.00	N/A	\$113,221.15	N/A
Total for all	\$5,224,767.36	\$4,761,777.55	N/A	\$4,301,726.89	N/A

Actual Information Description	File Name	
Attorney Fees - Other Matters	Component Description: Amount:	Review linked set for WITN \$962.00
	Component Description: Amount:	For Professional Services Rendered \$222.00
	Component Description:  Amount:	Professional Services rendered through September 30, 2019 \$222.00
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	Component Description: Amount:	Professional Services \$346.50
	Component Description: Amount:	WITN-550-Attorney - License to Cover Application (Main) \$83.00

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Professional Services \$758.00
Prepare request for Special Temporary Authorization	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Component Description: Amount:	buildout of repack Ch-34 auxiliary \$250.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description:  Amount:	Consulting Engineer: regarding buildout of repack Ch. 34 \$250.00
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Component Description:  Amount:	WITN-530-Outside Professional Services - Engineering Consulting Services - RF Eng - Construction Permit Application (AUX) \$700.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	review proposal for interim antenna and develop final ERP and parameters for CP application

Perform engineering study		
for new channel assignment and antenna development	Component Description:	Review antenna manufacturer's alternative proposal re: top-mount antenna, due to structural loading
	Amount:	\$250.00
	Component Description: Amount:	Consulting Engineer \$275.00
	Amount:	\$275.00
	Component Description:	Respond to query re: repack Ch-34 non-maximized ERP and
	Amount:	corresponding TPO. \$125.00
	Component Description:	RF Engineering Consulting
	Amount:	\$125.00
	Component Description:	Discuss top-mount antenna size, gain and required TPO.
	Amount:	\$625.00
	Component Description:	Perform engineering study for new channel
	Amount:	assignment \$1,287.50
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: Project

Management \$2,728.40

**Amount:** \$2,728.40

**Component Description:** Project

Management

**Amount:** \$2,084.35

Component Description: WITN-510-Project

Management

**Amount:** \$900.00

Component Description: Project Management

**Amount:** \$4,023.40

Component Description: Project Management

**Amount:** \$3,493.45

**Component Description:** Project

Amount:

**Amount:** 

Management \$4,897.00

Component Description: Project

Management \$5,940.65

Component Description: Project Management

**Amount:** \$5,750.90

Component Description: Project

Management

**Amount:** \$7,493.25

**Project** 

Amount:

Management \$2,607.10

**Component Description:** 

Project

Amount:

Management \$1,726.65

**Component Description:** 

**Amount:** 

**Project Management** 

\$2,478.20

**Component Description:** 

**Project** 

Amount:

**Amount:** 

**Amount:** 

Management \$1,706.25

**Component Description:** 

Project

Management

\$2,233.15

**Component Description:** 

**Project** 

Management

\$2,585.70

**Component Description:** 

**Amount:** 

Project management

\$1,328.55

**Component Description:** 

**Project** 

Amount:

Management

\$2,244.80

**Component Description:** 

**Project** 

Management

Amount:

\$770.80

Amount:

Project management

\$2,667.65

**Component Description:** 

Project Management

Amount:

\$3,155.65

**Component Description:** 

Project

Amount:

Management \$5,466.25

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**Component Description:** 

Project

Amount:

Management \$1,913.90

**Component Description:** 

Amount:

**Project Management** 

\$2,166.05

**Component Description:** 

Project

Management

Amount:

\$2,624.20

**Component Description:** F

Project

\$1,946.50

Amount:

Management

Component Description:

Project

Amount:

Management \$2,375.10

Component Description: Project

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management of the

transition

**Amount:** \$600.00

**Amount:** 

Project management

\$2,561.90

**Component Description:** 

Project Management

Amount:

\$1,660.60

**Component Description:** 

**Amount:** 

**Project Management** 

\$1,101.45

**Component Description:** 

Project

Amount:

Management

\$802.25

**Component Description:** 

Project

Amount:

Management \$1,899.15

**Component Description: Project** 

Management

Amount:

Amount:

\$2,377.30

**Component Description:** Project

Management

**Amount:** \$28.20

**Component Description:** 

**Project** 

Management

\$3,943.80

**Component Description:** 

**Project** 

Management

Amount: \$4,261.20

Amount:

Project Management

\$3,071.30

**Component Description:** 

Project

management

Amount:

\$3,276.45

**Component Description:** 

Project

Management

**Amount:** \$2,386.15

### **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	\$108,890.00	\$100,967.50		\$6,420.00	
Security	\$12,000.00	\$12,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$2,000.00	\$2,000.00	Justifying Quote - Wiley Rein MVPD quote	\$2,000.00	N/A
Develop and air announcement of upcoming channel change	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Equipment Storage	\$12,000.00	\$12,000.00	N/A	\$2,640.00	N/A
Equipment Delivery and Handling Charges	\$15,000.00	\$15,000.00	N/A	\$0.00	N/A
Non-zoning permits	\$11,000.00	\$11,000.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,110.00	Per WITN- TV Justification FCC Filing Fee CP App	\$1,110.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$3,297.50	N/A	N/A	N/A

			License to Cover Application v1		
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$670.00	per Estimated Cost Justification WITN-610- FCC Filing Fee -	\$670.00	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	\$0.00	N/A
Costs (for equipment and other waste, net of any salvage value)	\$33,700.00	\$33,700.00	attached Comark quote P#4034- WITN- Equip Removal- 170825.		

Actual Information Description	File Name	
Security	Information not provided.	
MVPD Notification of Channel Change	Component Description: Amount:	Prepare MVPD notification letters for WITN. \$2,000.00
Develop and air announcement of upcoming channel change	Information not provided.	

Equipment Storage	Component Description:  Amount:	WITN-610- Equipment Storage \$2,640.00
	Amount.	Ψ2,040.00
Equipment Delivery and Handling Charges	Information not provided.	
Non-zoning permits	Information not provided.	
FCC Filing Fees - Form 2100 minor change CP application	Component Description:	WITN-610-FCC Filing Fee - CP Application
	Amount:	\$1,110.00
DTV Medical Facility Notification	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Component Description:	WITN-610-FCC Filing Fee -
	Amount:	License to Cover Application \$335.00
	Component Description:	Total Professional Services
	Amount:	\$335.00

### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$5,224,767.36	\$4,761,777.55	\$4,301,726.89

Reimbursem	eAt Status	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

06/18/2020

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

06/18/2020

#### **Attachments**