

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 24914 Service: DTV Call WKYT-TV Channel: 21 (UHF)

ID:

Sign:

File **0000028731**

Number:

FRN: **0018223693** Date **06/27**

Submitted: /2019

Applicant Information

Applicant Name, Type, and Contact Information

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

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

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	WKYT is replacing the transmitter, antenna, and transmission line as well as 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
xisting Transmitter	Manufacturer	
Manufacturer and Type	Model	Sigma Diamond Drive
	Year	2001
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	45.6 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	ULXTE72
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	39 kW
	Justification for New Transmitter	Cost of replacement IOT exceedes the cost of the Solid State transmitter. We are choosing the less expensive Solid State

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	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

Name	Description
	•

Security System	Sonitrol 16167-1-0
Building Upgrades	Roof and ice protection

Interim Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-30
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	19.2 kW
	Justification for New Transmitter	Interim transmitter needed to continue broadcasting during the transition period.

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
		1

	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?	Yes
	Туре	Heating and Cooling
	Size	5 tons
	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

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?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna	Class	Full Power
Manufacturer and Type	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	ATW26H3- ESCX-36S
Year	2010

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?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Side 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)	800.0 kW
	Manufacturer	
		'

Model	TFU-25JSC /VP-R C150
Year	2017
Justification for New Antenna	The current ERI antenna on Ch 36 will not work on Ch21 and can not be retuned therefore will need to be replaced for new antenna on Ch21.

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?	Broadband
	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?	Yes

Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Other Antenna Cost Not Listed

Name	Description
Site Survey to Layout Dielectric Side Mount Antenna	Site Survey to layout Dielectric Side Mount primary antenna
Red FAA L-864 LED Obstruction Light	Flash FTS 370R LED Beacon Kit, LED obstruction light

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?	Yes
	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	512.00 MHz
	Upper Limit	608.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	312.0 kW
	Manufacturer	
	Model	TFU-24WB- C160-H
	Year	2018

Justification for New Antenna	Interim
	antenna
	needed to
	continue
	broadcasting
	during the
	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	3 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Interim Antenna

Other Antenna Cost Not Listed

Information not provided.

Transmission ^{Seffien}	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Transmission Line

Existing Transmission Line

on Line Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission	Manufacturer	
Line Manufacturer and Type	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	975 feet per run

New Transmission Line

Primary	y
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Transmission Line Question Response **New Transmission Line** Use Primary Costs (Main) Description of Use N/A Change Type Purchase New Is this a request for upgraded equipment? No Type Rigid Diameter 6 1/8 inches Other Diameter N/A Segment Length 19 3/4 inches Other Segment Length N/A Number of parallel runs 1 1050 feet Length per run Justification for New Transmission Line The current Ch 36 transmission line section length will not work for Ch21 therefore the transmission line will need to be replaced.

Primary
Other Transmission Line Expenses Not Listed
Transmission of provided.

Interim

New Transmission Line

Transmissio	n Line Section	Question	Response
	New Transmission Line	Use	Interim
	Costs	Description of Use	N/A
		Change Type	Purchase New
		Туре	Rigid
		Diameter	3 1/8 inches
		Segment Length	Broadband
		Other Segment Length	
		Number of parallel runs	1
		Length	900 feet per run
	Justification for New Transmission Line	Interim transmission line needed to continue broadcasting during the transition period	

Interim Other Transmission Line Expenses Not Listed

Transmission loine tion 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	Yes
	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	1030383
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	38° 02' 23.0" N-
	Longitude (NAD83)	084° 24' 10.0" W-
	Overall Structure Height	999.99 fee
	Support Structure Height	979.97 fee
	Ground Elevation Above Mean Sea Level (AMSL)	988.83 fee

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Gray Television Group, Inc.
Date Constructed	01/01/1989

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
27417	WLXX	FM

Other Types of Users

Users	
Sprint	

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	Are helicopter services required?	No
Required		

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Moving Equipment	Removing existing antenna and installing new antennas

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	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	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
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?	No
	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	Site Security during equipment storage

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
Interim Transmitter ULXTE-30	\$703,850.00	\$616,230.94		\$372,859.59	
Other HVAC Service Type: H Size:5 (Other)	\$17,850.00	\$17,850.00	See attached WKYT 5 Ton HVAC quote.	\$0.00	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.	\$2,000.00	\$2,000.00	N/A	\$0.00	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$596,380.94	N/A	\$372,859.59	N/A
Primary Transmitter ULXTE72	\$1,793,653.47	\$1,615,791.52		\$1,135,809.73	

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,295,138.05	See Justifying Invoice & Quote - WKYT -TV GatesAir US0325970	\$851,341.45	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.	\$148,925.00	\$148,925.00	See attached revised Parsons Electrical Contractors quote, Parsons Electrical Contractors invoice 18c0627 & 18c062	\$139,910.28	N/A
Building Upgrades	\$166,938.55	\$166,938.55	See attached WKYT Kalkreuth Roof quote dated 4/26 /18, cost \$165,658.00. See attached Graybar lighting quote, cost \$1,280.55.	\$144,558.00	N/A

Security	\$ <i>4</i> ,789.92	\$4,789.92	See	\$0.00	N/A
System			attached		
			Anixter		
			quote		
			Q0001QLG,		
			Sonitrol		
			Security		
			quote		
			#16167-1-0,		
			Wireless		
			Temp		
			Sensor		
			quote, and		
			B&H quote.		
Sub-total	\$2,497,503.47	\$2,232,022.46	N/A	\$1,508,669.32	N/A
Total for all systems	\$4,384,038.57	\$3,989,183.46	N/A	\$2,155,623.98	N/A

Components

Actual Information Description	File Name	
Other HVAC Service Type: H Size:5 (Other)	Information not provided.	
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 14.2 - 20 kW	Component Description: Amount:	Transmitter, Mask Filter System, RF Accessories, Electrical, Installation & Proof \$372,859.59

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW

Component Description: AURAY RACK

SHELF 2U

Amount: \$34.49

Component Description: MIDDLE-

ATLANTIC MRK

19X29X77" 44SP

RACK W/O

Amount: \$1,398.20

Component Description: MIDDLE-

ATLANTIC MW-VT VENTED TOP F /WRK/VRK/

Amount: \$225.39

Component Description: AJA OPENGEAR-

COMPATIBLE

2RU RACKFRAME

Amount: \$1,424.09

Component Description: AJA 2CH 3G-SDI

SINGLE MODE LC FIBR TRNSMTR

Amount: \$1,315.52

Component Description: Transmitter, Mask

Filter System, RF Accessories, Electrical,

Installation & Proof

Amount: \$846,943.76

Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated

Component Description: WKYT Transmitter

Power

Amount: \$4,199.00

based on verbal guidance from local electrical contractors.

Component Description: Install conduit and

circuitry, complete with liquid tight flex, for the test pumps and heat exchanges, that were not installed by the factory.

Amount: \$1,185.28

Component Description: WKYT Transmitter

Power

Amount: \$5,275.00

Component Description: Interconnect 2"

Conduits

Amount: \$2,950.00

Component Description: WKYT Tranmsitter

Power

Amount: \$46,000.00

Component Description: Transmitter power,

PROG - 18-

FCC154-WKYT-

REM06

Amount: \$24,275.00

Component Description: WKYT Transmitter

Power

Amount: \$10,200.00

Component Description: Transmitter Power

PROG-18-FCC154-

WKYT-REM06

Amount: \$45,826.00

Building Upgrades		
	Component Description:	Roofing Work
		Completed
	Amount:	\$80,658.00
	Component Description:	First Draw on New
		Transmitter
		Building HVAC
	Amount:	\$20,000.00
	Component Description:	New transmitter
		building HVAC
	Amount:	\$20,000.00
	Component Description:	Final Draw on New
		Transmitter
	Amount:	\$23,900.00
Security System	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-24WB- C160-H	\$205,570.00	\$173,788.00		\$130,341.00	
Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	\$9,340.00	\$8,624.00	DTVPros Quote JEHQ1282- 05.	\$6,468.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	DTVPros Quote JEHQ1282- 05	\$4,800.00	N/A
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$158,764.00	DTVPros Quote JEHQ1282- 05	\$119,073.00	N/A
Primary Antenna TFU-25JSC /VP-R C150	\$246,560.10	\$239,940.10		\$191,952.08	
Red FAA L- 864 LED Obstruction Light	\$6,860.00	\$6,860.00	DTVPros Quote JEHQ1260- 05	\$5,488.00	N/A

Site Survey to Layout Dielectric Side Mount Antenna	\$6,700.00	\$6,700.00	DTVPros Quote JEHQ1260- 05	\$5,360.00	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$3,500.00	DTVPros Quote JEHQ1260- 05	\$2,800.00	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$19,552.00	DTVPros Quote JEHQ1260- 05	\$15,641.60	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$12,768.00	DTVPros Quote JEHQ1260- 05	\$10,214.40	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	DTVPros Quote JEHQ1260- 05	\$5,120.00	N/A

UHF - High Power,	\$184,160.10	\$184,160.10	DTVPros Quote	\$147,328.08	N/A
Side			JEHQ1260-		
Mount,			05		
basic slot					
antenna,					
800 kW					
input,					
directional,,					
elliptically					
or circularly					
polarized					
Sub-total	\$452,130.10	\$413,728.10	N/A	\$322,293.08	N/A
Total for	\$4,384,038.57	\$3,989,183.46	N/A	\$2,155,623.98	N/A
all					
systems					

Components

Actual Information Description	File Name	
Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	Component Description: Amount:	WKYT-280-Elbow complex Interim Antenna \$1,724.80
	Component Description: Amount:	New Interim Antenna Elbow Complex \$2,156.00
	Component Description: Amount:	New Interim Antenna Elbow Complex \$2,587.20

Sweep test of existing		
antenna	Component Description:	WKYT-280-
		Sweep test
		Interim Antenna
	Amount:	\$1,280.00
	Component Description:	Sweep Test New
		Interim Antenna
	Amount:	\$1,920.00
	Component Description:	Sweep Test New
	A ma a comt.	Interim Antenna
	Amount:	\$1,600.00
UHF - Lower Power Side Mount, One station - 200-		
500 kW, horizontally	Component Description:	UHF - Broadband
polarized		slot, side mount Aux/Interim TV
		Ant
	Amount:	\$31,752.80
	O A Daniel die	
	Component Description:	UHF Broadband
		Slot, Side Mount AUX/ Interim
	Amount:	\$39,691.00
		455,5000
	Component Description:	UHF Broadband
		Slot, Side Mount
		AUX/Interim
	Amount:	\$47,629.20

Red FAA L-864 LED		
Obstruction Light	Component Description:	WKYT-210-New
		Primary Antenna-
		LED Beacon Kit
	Amount:	\$1,715.00
	Component Description:	Beacon Kit
	Amount:	\$2,058.00
	Component Description:	Beacon Kit
	Amount:	\$1,715.00
Site Survey to Layout Dielectric Side Mount		
Antenna	Component Description:	WKYT-210-New
Antenna		Primary Antenna
		- Site Visit for
		Antenna Layout
	Amount:	\$1,675.00
	Component Description:	Site Survey to
		Layout Side
		Mount
	Amount:	\$1,675.00
	Component Description:	Site Survey to
		Layout Side
		Mount
	The state of the s	

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)

Component Description: Pattern Scatter

Analysis \$1,050.00

Amount: \$1,05

Component Description: Pattern Scatter

Analysis

Amount: \$875.00

Component Description: WKYT-210-New

Primary Antenna
- Pattern Scatter

Analysis

Amount: \$875.00

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

Component Description: New Primary Side

Mount

Amount: \$4,888.00

Component Description: WKYT-210-Side

mount brackets
New Primary
Antenna

Amount: \$4,888.00

Component Description: New Primary Side

Mount

Amount: \$5,865.60

Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Component Description:	New Primary Antenna Elbow
	Amount:	Complex \$3,830.40
	Component Description:	WKYT-210-Elbow complex New
	Amount:	Primary Antenna \$3,192.00
	Component Description:	New Primary Antenna Elbow
	Amount:	Complex \$3,192.00
Sweep test of existing antenna		
antenna	Component Description:	Sweep Test New
	Amount:	Interim Antenna \$1,600.00
	Component Description:	Sweep Test New
	Amount:	Primary Antenna \$1,920.00
	Component Description:	WKYT-210-
		Sweep test New Primary Antenna
	Amount:	\$1,600.00

UHF - High Power, Side Mount, basic slot antenna, 800 kW input, directional,, elliptically or circularly polarized

Component Description: UHF High Power

Side Mount

Amount: \$55,248.03

Component Description: UHF High Power

Side Mount

Amount: \$46,040.03

Component Description: UHF HIGH

POWER SIDE MOUNT TV ANT TFU 25JSC/VP-R

C150

Amount: \$46,040.02

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	\$108,000.00	\$81,664.65		\$61,957.83	
Rigid Transmission Line - copper, 3 1 /8" broadband	\$108,000.00	\$81,664.65	DTVPros Quote JEHQ1282- 05	\$61,957.83	N/A
Primary Transmission Line	\$212,100.00	\$162,304.50		\$129,843.60	
Rigid Transmission Line - copper, 6 1/8"	\$212,100.00	\$162,304.50	DTVPros Quote JEHQ1260- 05	\$129,843.60	N/A
Sub-total	\$320,100.00	\$243,969.15	N/A	\$191,801.43	N/A

Actual Information		
Description	File Name	

Rigid Transmission Line - copper, 3 1/8" broadband		N I. e
	Component Description:	New Interim Transmission Line
	Amount:	\$24,499.40
	Amount:	\$24,499.40
	Component Description:	WKYT-380-Interim
		Transmission Line
	Amount:	\$17,042.25
	Component Description:	New Interim
		Transmission Line
	Amount:	\$20,416.18
Rigid Transmission Line -		
copper, 6 1/8"	Component Description:	WKYT-310-New
		Primary
		Transmission Line
	Amount:	\$40,576.12
	Component Description:	New Primary
	Component Book Ipadii.	Transmission Line
	Amount:	\$48,691.35
	Component Description:	New Primary
		Transmission Line
	Amount:	\$40,576.13

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 \$844,100.00	Estimated Cost \$847,001.25	Estimated Cost Justification	Actual Cost \$58,375.00	Actual Cost Justification
Structural engineering tower load study for well documented tower	\$12,600.00	\$5,500.00	See attached SSC Structural Analysis Quote	\$4,600.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$241,501.25	GTI America Quote Q17- 06-020b	\$53,775.00	N/A
Moving Equipment	\$200,000.00	\$200,000.00	N/A	N/A	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	N/A	N/A
Sub-total	\$844,100.00	\$847,001.25	N/A	\$58,375.00	N/A
Total for all systems	\$4,384,038.57	\$3,989,183.46	N/A	\$2,155,623.98	N/A

Actual Information		
Description	File Name	

Structural engineering tower load study for well documented tower	Component Description:	Final analysis revised adding interim stresses -
	Amount:	Lexington WKYT \$700.00
	Component Description:	WKYT CH 21
	Amount:	Structural Analysis \$2,000.00
	Component Description:	Final Analysis Revised - Lexington WKYT
	Amount:	\$1,900.00
Tall Tower (greater than 500')		
300)	Component Description:	Tower rigging Services- Tall Tower (greater
	Amount:	than 500') \$33,550.00
	Component Description:	Separate mobilization to travel to site, rig
	Amount:	tower and install \$20,225.00
Moving Equipment	Information not provided.	
Major tower reinforcement	Information not provided.	

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$177,120.00	\$167,750.00		\$67,342.15	
Project management of the transition	\$142,200.00	\$135,000.00	N/A	\$61,708.15	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	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	\$725.00	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	\$2,175.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	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

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$2,537.50	N/A
Sub-total	\$177,120.00	\$167,750.00	N/A	\$67,342.15	N/A
Total for all systems	\$4,384,038.57	\$3,989,183.46	N/A	\$2,155,623.98	N/A

Actual Information		
Description	File Name	
Project management of the		
transition	Component Description:	Project
		Management
	Amount:	\$755.80
	Component Description:	Project
		Management
	Amount:	\$1,869.15
	Component Description:	Project
		management
	Amount:	\$2,711.90
	Component Description:	Project
		Management
	Amount:	\$2,399.45
	Component Description:	Project
		Management
	Amount:	\$1,579.00

Component Description:

Project Management

Amount:

\$2,285.70

Component Description:

Project

Amount:

Management \$2,975.65

Component Description:

Project

Amount:

Management \$1,979.35

Component Description: WKYT-510-Project

Management

Amount:

\$300.00

Component Description: Pro

Project

Amount:

Management \$3,280.45

Component Description:

Project Management

Amount:

\$2,584.60

Component Description:

Project

Amount:

Management \$2,480.60

Component Description:

Amount:

Widelity, Inc.

\$3,038.20

Component Description:

Project

Management

\$801.45

Amount:

Component Description:

Amount:

Project

Management \$2,403.30

Component Description:

Project

Amount:

management \$1,816.05

Component Description:

Project

Amount:

Management \$3,939.40

Component Description:

Project

Amount:

Management \$2,199.80

Component Description:

Project

Amount:

Management

\$1,962.60

Component Description:

Project

Amount:

Management

\$2,456.30

Component Description:

Project

Amount:

management

\$3,392.25

Component Description:

Project

Amount:

Management

\$28.20

Component Description:

Project

Amount:

Management

\$1,690.60

Component Description: Project Management \$2,264.80 Amount: **Component Description: Project** Management Amount: \$2,599.90 **Component Description: Project** Management Amount: \$802.25 **Component Description: Project** management Amount: \$2,405.15 **Component Description:** Transition Related **Project** Management Costs Amount: \$2,850.00 **Component Description: Project** Management Amount: \$1,856.25 FAA consultant, including Information not provided. cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase ASR modification (prepare Information not provided. FCC Form 854) Attorney Fees - Prepare and Information not provided. File request for Special **Temporary Authorization**

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	Component Description: Amount:	Complete and file initial construction permit application. \$196.50
Prepare request for Special Temporary Authorization	Component Description: Amount:	Consulting Engineer - Develop technical parameters for interim side-mount antenna on pre- auction Ch-36 for use during transition. \$725.00
	Amount.	ψ123.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Develop final ERP and parameters for initial CP application. \$1,450.00
	Component Description:	Engineering portions for CP
	Amount:	application \$725.00
Prepare and or review reimbursement form	Information not provided.	
Address transition timing and coordination issues w/	Information not provided.	

Perform engineering study for new channel assignment and antenna development

Component Description: Engineering Study

for New Channel Assignment

Amount: \$275.00

Component Description: Perform

engineering study for new channel assignment

Amount: \$1,187.50

Component Description: Review technical

specs and length of antenna for use

as interim

Amount: \$312.50

Component Description: RF Engineering

Consulting

Amount: \$625.00

Component Description: Respond to query

re: repack Ch-21 non-maximized ERP, directional antenna pattern.

Amount: \$137.50

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	\$93,085.00	\$84,712.50		\$7,143.00	
Security	\$12,000.00	\$12,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$1,200.00	\$1,200.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	\$10,000.00	\$10,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Non-zoning permits	\$12,000.00	\$12,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$38,662.00	\$38,662.00	See attached Degrees of Comfort Transmitter Disposal quote.	N/A	N/A
Equipment Delivery and Handling Charges	\$7,143.00	\$7,143.00	N/A	\$7,143.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$3,192.50	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
Sub-total	\$93,085.00	\$84,712.50	N/A	\$7,143.00	N/A
Total for all systems	\$4,384,038.57	\$3,989,183.46	N/A	\$2,155,623.98	N/A

Actual Information Description	File Name
Security	Information not provided.
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
Non-zoning permits	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.

Equipment Delivery and		
Handling Charges	Component Description:	WKYT-610-
		Equipment
		Delivery
	Amount:	\$6,602.50
	Component Description:	Forklift WHSE
	Amount:	5000# GAS/LP N/A
	, and and	
	Component Description:	Equipment
		Delivery
	Amount:	\$540.50
DTV Medical Facility Notification	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$4,384,038.57	\$3,989,183.46	\$2,155,623.98

Reimbursem	entestiatus	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

06/27/2019

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

06/27/2019

Attachments