

Federal Communications Commission

## (REFERENCE COPY - Not for submission)

## FCC Form 399: Reimbursement Request

Facility ID: File Number:	36003 00000	Service: <b>DTV</b> 28722	Call Sign:	ΚΥΤΥ	Channel: <b>19 (UHF)</b>
	18223693	Date	06/22		
		Submitted:	/2021		

## Applicant Name, Type, and Contact Information

## Information

GRAY TELEVISION 4370 +1 (404) robert. Limited	Applicant	Address	Phone	Email	Applicant Type
LICENSEE, LLCPEACHTREE504-9828folliard@gray.LiabilityDoing Business As:ROAD NEtvCompanyKYTVATLANTA, GA 30319 United StatesJunited StatesJunited States	LICENSEE, LLC Doing Business As:	PEACHTREE ROAD NE ATLANTA, GA 30319	· · · ·	folliard@gray.	Liability

### Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer	Preparer Contact Name and Information				
Contact 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	Question	Response
Information and Transition Plan	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	KYTV proposes to use the existing KYCW- LD channel 19 equipment as its auxiliary during the transition. They will be replacing their transmitter, antenna, and transmission line.

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

Primary	Existing Transmitter Information					
Transmitter	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	CD3400P4			
		Year	2000			
		Туре	Inductive Output Tube			
		IOT Power Type	Other			
		Other IOT Power Type	4			
		Power Capacity	69.2 kW			

Primary	New Transmitter Costs					
Transmitter	Section	Question	Response			
	New Transmitter	Use	Primary (Main)			
		Change Type	Purchase New			
		Is this a request for upgraded equipment?	Yes			
		Manufacturer				
		Model	ULXTE-150			
		Transmitter Type	Solid State			
		Solid State Cooling	Liquid Cooled			
		Solid State Power capacity	87 kW			
		Justification for New Transmitter	Our existing transmitter is a 4 IOT channel 44 that cannot be retuned, see GatesAir memo 1/1 /2017.			

### **Other Transmitter Costs**

Primary

#### Transmitter Section Question Response Service Entrance (3 phases 800A 208V) **Electrical Service** 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
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

## Other Transmitter Cost Not Listed

PrimaryOther Transmitter CoTransmitterInformation not provided.

Antennas Section		Question	Response
Antenna Rela	ated Expenses	Do you have antenna related expenses?	Yes

Primary	Existing Antenna Information					
Antenna	Section	Question	Response			
	Existing Antenna Description	Type of change	Purchase New			
		Antenna Use	Primary (Main)			
		Description of Use	N/A			
		Ownership	Owned			
		Owner	N/A			
		Site	N/A			
		Is the existing antenna shared with another station or stations?	No			
		Is the existing antenna directional?	No			
		Is antenna in operating condition?	Yes			
		Is antenna located on or in close proximity to an antenna farm?	Yes			
	Existing Antenna	Class	Full Power			
	Manufacturer and Type	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)	967.0 kW			

Manufacturer	
Model	TFU- 24GTH-R 04
Year	2000

Primary Antenna	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?	Yes	
	New Antenna Manufacturer and Types	Class	Full Power	
		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)	1000.0 kW	
		Manufacturer		

Model	TFU 24JTH /VP-R 04
Year	2018
Justification for New Antenna	Existing antenna is channel 44 and cannot be retuned to new channel.

## Primary Other Antenna Costs

Antenna

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No

Sweep Test	Do you require the sweep testing of	Yes
	transmission line and antenna?	

Primary	Other Antenna Cost Not Listed		
Antenna	Name	Description	
	Top Plate Adapter	Top plate adapter to match tower top and antenna bolt pattern.	

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 Manufacturer and Type	Class	Full Power	
		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)	1000.0 kW	
		Manufacturer		
		Model	ATW29HS3- ESO-19H	
		Year	2008	

#### **Other Antenna Costs** Interim

Antenna

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

#### Other Antenna Cost Not Listed Interim

Antenna Information not provided.

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

## Existing Transmission Line Primary Existing Transmission

Ismission Line		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
Li		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	8 3/16 inches
		Other Diameter	N/A
		Segment Length	20 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	1970 feet per run

ssion	Description
Refurbish Transmission Line	Cleaning / refurbishment of transmission line due to long term wear and replacement of inner components as recommended by Precision Communications Inc.

Tower	Section	Question	Response
Equipment And Rigging Costs	Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

marv	Existing	Tower
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Primary	Existing Tower			
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)	No	
		Others Types of Users	Yes	
		Is tower documented for structural analysis?	Yes	
		Is tower compliant with Rev G?	No	
	Existing Tower Structure Registration	Do you have a tower registration number?	Yes	
		ASR Number	1218324	
	Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	37° 10' 26.0" N-	
		Longitude (NAD83)	092° 56' 28.1" W-	
		Overall Structure Height	1999.32 feet	
		Support Structure Height	1885.15 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	1546.90 feet	

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Gray Television Group, Inc.
Date Constructed	11/28/2000

## Other Types of Users

Users

Wireless ISP

KYCW-LD 11135

## Primary Tower Modification Costs

#### Section Question Response **Engineering Study** Please what type of engineering study is Study needed required, if any: for documented tower **Tower Reinforcements** Please select whether tower reinforcements No are needed: reinforcements needed

## Primary Tower Rigging Costs

Tower

Tower

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

## Other Tower Expenses Not Listed

Primary Tower

Name	Description
Minor Modification	Modification for new top plate adapter

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	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	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	Yes
	Number of Days	3
	Justification	We may need additional support because we are forgoing ar auxiliary system and will need to guarantee quick on-a since it is being done after our period date

# Outside Other Professional Services Expenses Not Listed

Professional	Services Costs	Description
	Attorney - Other Matters	Legal Services

Other Expenses	Section	Question	Response
	AM Pattern Disturbance	Is an Impact Study needed?	No
		Is Remediation needed?	No
	Facility Expenses	Name	N/A
		Other Distributed Transmission System Expenses Not listed	N/A
		Name	N/A
		Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
	Permit and Filing Costs	Local Zoning	No
		Non-zoning permits	No
		BLM or NFS Coordination	No
		FCC Construction Permit Minor Change	No
		FCC License to Cover Application	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	Other Expenses Not Listed		
Expenses	Name	Description	
	Floor Mounting Hardware for Mask Filter	Floor Mounting Hardware for Mask Filter	

## Transmitters

### Cost Information

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

Description Primary Transmitter ULXTE-150	Predetermined Cost Estimate \$2,737,696.65	Estimated Cost \$2,504,187.56	Estimated Cost Justification	Actual Cost \$2,496,941.43	Actual Cost Justification
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.	\$107,696.65	\$107,696.65	AC Electrical Systems Inc. Invoice #KTW221- 2 & 199712	\$107,696.65	N/A
UHF - Liquid Cooled Solid State Transmitter 86.8 . 106 kW	\$2,630,000.00	\$2,396,490.91	N/A	\$2,389,244.78	N/A
Sub-total	\$2,737,696.65	\$2,504,187.56	N/A	\$2,496,941.43	N/A
Total for all systems	\$3,666,235.58	\$3,528,714.89	N/A	\$3,305,940.69	N/A

## Components

Actual Information	
Description	File Name

Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	Component Description: Amount:	Electrical Demolition and Construction, Fordland Transmitter Site \$51,000.00
	Component Description: Amount:	Electrical labor \$120.37
	Component Description:	Electrical Demolition and Construction, Fordland Transmitter Site \$55,325.00
	Component Description:	30A 3 POLE INLINE HG STYLE BREAKER
	Amount:	\$1,251.28

JHF - Liquid Cooled Solid State Transmitter 86.8 . 106		Kirk Lamana
kW	Component Description:	Kirk Lemons
		Expense Report
		re: CBR# 18-
		FCC018
	Amount:	\$1,150.00
	Component Description:	expense report
	Amount:	\$1,802.74
	Component Description:	ULXTE-150
		Transmitter
	Amount:	\$598,715.64
	Component Description:	ULXTE-150
		Transmitter
	Amount:	\$131,930.34
	Component Description:	ULXTE-150
		Trasmitter
	Amount:	\$1,655,646.06

## Antennas

## Cost Information

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

	Duedetermine	Cotinented	Entimeted Orac		A atrial Quert
Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna ATW29HS3- ESO-19H	\$54,452.50	\$54,122.50		\$47,722.50	
UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, horizontally polarized	\$47,722.50	\$47,722.50	Per Precision Communications Proposal 18380- 5 antenna cost only and Addendum to Proposal 18380- 5	\$47,722.50	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$0.00	N/A
Primary Antenna TFU 24JTH /VP-R 04	\$342,110.00	\$248,161.60		\$173,419.03	
Sweep test of existing antenna	\$6,730.00	\$9,900.00	Per DTVPros Quote JEHQ1261-06 and Marsand Quote 1928	\$9,900.00	N/A
UHF - High Power Top Mount (200- 1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$203,971.60	Per the attached Estimated Cost Justification KYTV-210-New Primary Antenna v0	\$146,332.93	N/A

Top Plate Adapter	\$18,330.00	\$18,330.00	N/A	\$8,248.50	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$12,768.00	Please see the attached DTVPros quote JEHQ1261-06 and invoice # 156-3.	\$5,745.60	N/A
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	\$15,250.00	\$3,192.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***DTV pros quote JEHQ1261-01	\$3,192.00	N/A
Sub-total	\$396,562.50	\$302,284.10	N/A	\$221,141.53	N/A
Total for all systems	\$3,666,235.58	\$3,528,714.89	N/A	\$3,305,940.69	N/A

## Components

Actual Information	
Description	File Name

UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, horizontally polarized	Component Description:	Invoice has been broken out separately. N/A
	Amount:	N/A
	Component Description:	Amt due on crew arrival
	Amount:	\$17,020.00
	Component Description:	Amount due on proposal acceptance.
	Amount:	\$17,020.00
	Component Description:	Interim Antenna Repack (Phase 1), Option: Electrical Sweep Testing after Antenna Installation
	Amount:	\$13,682.50
Sweep test of existing antenna	Information not provided.	

Sweep test of existing antennaComponent Description:KYTV-210-Sweep test New Primary Antenna \$1,280.00Amount:Amount:\$1,280.00Component Description:Sweep test New Primary Antenna \$1,600.00Amount:Component Description:Engineering services to perform Line sweep of KYTV antenna/line installation \$3,500.00Amount:Sweep Test for New Primary Antenna System \$1,920.00Component Description:Sweep Test for New Primary Antenna System \$1,920.00Component Description:Sweep Test for New Primary Antenna System \$1,920.00Amount:\$1,920.00		1	
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Amount:installation \$3,500.00Component Description:Sweep Test for New Primary Antenna System \$1,920.00Amount:\$1,920.00Component Description:Primary Antenna Sweep Test			sweep of KYTV
Amount:\$3,500.00Component Description:Sweep Test for New Primary Antenna System \$1,920.00Amount:*Component Description:Primary Antenna Sweep Test			antenna/line
Component Description:Sweep Test for New Primary Antenna System \$1,920.00Amount:\$1,920.00Component Description:Primary Antenna Sweep Test			installation
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Amount:       New Primary Antenna System \$1,920.00         Component Description:       Primary Antenna Sweep Test		Component Description	Sween Test for
Amount: Antenna System \$1,920.00 Component Description: Primary Antenna Sweep Test		component Description.	•
Amount:       \$1,920.00         Component Description:       Primary Antenna         Sweep Test			-
Component Description: Primary Antenna Sweep Test		Amount:	
Sweep Test			. ,
Sweep Test		Component Description:	Primary Antenna
<b>Amount:</b> \$1,600.00			-
		Amount:	\$1,600.00

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	Component Description:	UHF-HIGH POWER TOP MOUNT (200-
	Amount:	1000KW) \$56,469.16
	Component Description:	UHF-HIGH POWERTOP MOUNT (200- 1000KW)
	Amount:	\$40,344.18
	Component Description:	Flange assy 8-3 /16 fxd solder, freight, shipping and handling
	Amount:	\$1,106.58
	Component Description:	Primary Antenna, Top Mount
	Amount:	\$48,413.01
	Component Description:	New Primary Antenna-UHF High Power Top
	Amount:	Mount \$40,344.18

Top Plate Adapter		
	<b>Component Description:</b>	KYTV-210-Top
		plate adapter New
		Primary Antenna
	Amount:	\$3,666.00
	Component Description:	Primary Antenna
		Top Plate Adapter
	Amount:	\$5,499.00
	Component Description:	Top plate adapter
	Amount:	\$4,582.50
	Component Description:	Top plate adapter
		New Primary
		Antenna
	Amount:	\$4,582.50
Elbow complex, single		
channel, at antenna input,	Component Description:	KYTV-210-Elbow
per 6 1/8. feedline (if		complex New
needed)		Primary Antenna
	Amount:	\$2,553.60
	Component Description:	Elbow Complex
	Amount:	\$3,192.00

Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	Component Description: Amount:	Primary Antenna Elbow Complex \$3,192.00
	Component Description: Amount:	Primary Antenna Elbow Complex \$3,830.40
	Component Description: Amount:	Please deny this component N/A

## **Transmission Line**

### Cost Information

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

Description Primary Transmission	Predetermined Cost Estimate \$14,120.05	Estimated Cost \$14,120.05	Estimated Cost Justification	Actual Cost (\$38,461.80)	Actual Cost Justification
Line					
Refurbish Transmission Line	\$14,120.05	\$14,120.05	see Estimated Cost Justification KYTV-310- Refurbish Existing Transmission Line v0. These expenses were incurred while adapting the reused transmission line to new transmitter and antenna /mounting brackets.	(\$38,461.80)	N/A
Sub-total	\$14,120.05	\$14,120.05	N/A	(\$38,461.80)	N/A
Total for all systems	\$3,666,235.58	\$3,528,714.89	N/A	\$3,305,940.69	N/A

### Components

Actual Information Description	File Name
Refurbish Transmission Line	

Component Description: Amount:	KYTV-310- Refurbish existing transmission line \$99.24
Component Description: Amount:	Shipping charges, Fed-Ex \$753.80
Component Description:	RIGID TRANSMISSION LINE - COPPER to connect new antenna to reused transmission line \$12,870.05
Component Description: Amount:	Transmission Line \$124.05
Component Description: Amount:	Credit Memo (\$115,407.16)
Component Description: Amount:	Gas barrier assy 8- 75 \$3,146.50
Component Description:	New Inner Conductors for Existing Primary Transmission Line
Amount:	\$63,098.22
Component Description: Amount:	Refurbish Primary Transmission Line \$52,581.85

Component Description:	Transmission Line
Amount:	\$52,581.85

# **Tower Equipment and Rigging Costs**

#### Cost Information

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 Justification
Primary Tower TOWER	\$243,100.00	\$440,552.00		\$420,552.00	
Structural engineering tower load study for well documented tower	\$12,600.00	\$28,902.00	see Estimated Cost Justification KYTV-410- Structural analysis existing tower v0	\$28,902.00	N/A
Minor Modification	\$20,000.00	\$20,000.00	original entry of \$2,000 was a typo	\$0.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$391,650.00	Precision Comm Inc Invoices	\$391,650.00	N/A
Sub-total	\$243,100.00	\$440,552.00	N/A	\$420,552.00	N/A
Total for all systems	\$3,666,235.58	\$3,528,714.89	N/A	\$3,305,940.69	N/A

# Components

Actual Information Description	File Name	
Structural engineering tower load study for well documented tower	Component Description:	Final 50% invoiced on Engineering Review of Applied
	Amount:	Load Check \$2,076.00

Component Description: Amount:	STNLSA STNL Rigorous Structural Tower Evaluation \$1,250.00
Component Description: Amount:	STNLSA STNL Rigorous Structural Tower Evaluation \$1,250.00
Component Description: Amount:	STNLSA STNL Structural Analysis - applied load analysis on the tower \$3,000.00
Component Description: Amount:	STNLSA STNL Structural Analysis \$2,076.00
Component Description: Amount:	STNL Structural Analysis \$6,500.00
Component Description: Amount:	STNLSA STNL Structural Analysis \$1,750.00
Component Description: Amount:	Structural analysis and report \$6,250.00
Component Description: Amount:	STNLSA STNL Structural Analysis \$1,750.00

	Component Description: Amount:	STNLSA STNL Structural Analysis \$3,000.00
Minor Modification	Information not provided.	
Tall Tower (greater than 500')	Component Description: Amount:	Tower Rigging /Replacement of Existing Antenna \$68,820.00
	Component Description:	Per Precision Communications, Inc. addendum to proposal 17470-6C
	Amount:	\$46,900.00
	Component Description:	Per Precision Communications Inc. Proposal 17470- 6C; Antenna Replacement, KYTV-Fordland, MO
	Amount:	\$63,590.00
	Component Description: Amount:	February weather day Addendum \$49,000.00
	Component Description:	Antenna Replacement
	Amount:	\$48,850.00
	Component Description:	Perform Electrical Testing
	Amount:	\$1,500.00

Component Description: Amount:	Antenna Replacement \$49,400.00
Component Description: Amount:	Antenna replacement \$63,590.00

## **Outside Professional Services**

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co Justificati
Outside Professional Services	\$178,532.00	\$180,366.80		\$155,020.80	
Attorney - Other Matters	\$222.00	\$222.00	KYTV Justification Outside Professional Services - Attorney - Other Matters	\$222.00	N/A
Additional Field Engineering Service, 3 Days	\$5,400.00	\$5,400.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	\$490.50	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$631.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$432.50	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	\$250.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$3,687.50	From Chesapeake RF Consultants, LLC Invoices 3956, 4231, 4710 and 5014	\$3,687.50	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
Project management of the transition	\$142,200.00	\$149,307.30	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$149,307.30	N/A

Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Sub-total	\$178,532.00	\$180,366.80	N/A	\$155,020.80	N/A
Total for all systems	\$3,666,235.58	\$3,528,714.89	N/A	\$3,305,940.69	N/A

## Components

Actual Information Description	File Name	
Attorney - Other Matters	Component Description: Amount:	KYTV-550- Attorney Fees - Other Matters \$222.00
Additional Field Engineering Service, 3 Days	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Component Description: Amount:	Legal services \$490.50
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description:	Complete and file license to cover application for repack facility.
	Amount:	\$631.00

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	For professional services rendered through November
	Amount:	30, 2018 \$70.00
	Component Description:	For professional services Rendered through October
	Amount:	31, 2018 \$362.50
Prepare request for Special Temporary Authorization	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	KYTV-530-RF Eng new channel study \$250.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.	

	-	
Perform engineering study		
for new channel assignment and antenna development	Component Description:	Regarding buildout of repack ch-19 facility, review final
		operating
		constants
	Amount:	\$250.00
	Component Description:	Develop technical
		parameters for interim side mount
	Amount:	antenna \$562.50
	Component Description:	Channel study to
	component Description.	identify any linked stations that would be affected by transition prior to scheduled date.
	Amount:	\$175.00
	Component Description:	Perform engineering study
		for new channel assignment
	Amount:	\$2,700.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Project management of the transition		
	Component Description:	Project
		management
	Amount:	\$711.35
	Amount:	\$711.35
	Amount: Component Description:	\$711.35 Project

Component Description: Amount:	Project Management \$6,560.15
Component Description: Amount:	Project Management \$2,079.90
Component Description: Amount:	Project management \$3,239.75
Component Description: Amount:	Project Management \$2,103.75
Component Description: Amount:	Project Management \$2,175.25
Component Description: Amount:	KYTV-510-Project Management \$1,650.00
Component Description: Amount:	Project Management \$2,787.05
Component Description: Amount:	Project Management \$3,344.65
Component Description: Amount:	Project Management \$3,957.10

Component Description: Amount:	Project Management \$4,816.90
Component Description: Amount:	Project Management \$4,803.45
Component Description: Amount:	Project Management \$3,223.75
Component Description: Amount:	Project Management \$4,088.20
Component Description: Amount:	Project Management \$8,298.80
Component Description: Amount:	Project Management \$2,953.65
Component Description: Amount:	Project Management \$728.15
Component Description: Amount:	Project Management \$2,416.70
Component Description: Amount:	Project Management \$3,453.25

Component Description: Amount:	Project Management \$877.50
Component Description: Amount:	Project Management \$155.00
Component Description: Amount:	Project Mgt \$28.20
Component Description: Amount:	Project Management \$1,857.60
Component Description: Amount:	Project Management \$2,674.40
Component Description: Amount:	Project Management \$3,733.80
Component Description: Amount:	Project Management \$3,813.75
Component Description: Amount:	Project Management \$4,254.40
Component Description: Amount:	Project Management \$3,646.05

Component Description: Amount:	Professional Services \$507.50
Component Description: Amount:	Project Management \$2,414.35
Component Description: Amount:	Project Management \$77.50
Component Description: Amount:	Project Management \$2,856.85
Component Description: Amount:	Transition Related Project Management Costs \$2,850.00
Component Description: Amount:	Project Mgt \$913.95
Component Description: Amount:	Project Management \$4,250.65
Component Description: Amount:	Project Management \$3,932.95
Component Description: Amount:	Project Management \$2,776.85

Component Description: Amount:	Project Management \$2,593.40
Component Description: Amount:	Project Management \$5,773.15
Component Description: Amount:	Project management \$1,325.55
Component Description: Amount:	Project Mgt \$830.80
Component Description: Amount:	Project Management \$3,682.45
Component Description: Amount:	Project Mgt \$2,896.05
Component Description: Amount:	Project Management \$3,079.55
Component Description: Amount:	Project Management \$660.80
Component Description: Amount:	Project Mgt \$802.25
Component Description: Amount:	Project Mgt \$2,618.80

	Component Description: Amount:	Project Management \$3,374.10
	Component Description: Amount:	Project Management \$1,902.90
	Component Description: Amount:	Project management \$5,578.05
	Component Description: Amount:	Project Management \$2,462.30
	Component Description: Amount:	Project management \$2,517.65
	Component Description: Amount:	Project Management \$3,688.25
Prepare and or review reimbursement form	Information not provided.	

## **Other Expenses**

## Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificatic
Other Expenses	\$96,224.38	\$87,204.38		\$50,746.73	
Floor Mounting Hardware for Mask Filter	\$12,252.12	\$12,252.12	Please see the attached GatesAir quotes Q- 79428 and Q- 79477	N/A	N/A
MVPD Notification of Channel Change	\$1,114.76	\$1,114.76	N/A	\$1,114.76	N/A
Develop and air announcement of upcoming channel change	\$5,000.00	\$5,000.00	N/A	\$2,362.50	N/A
Equipment Storage	\$3,000.00	\$3,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$17,700.00	\$17,700.00	N/A	\$2,001.97	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	\$45,077.50	\$45,077.50	See attached Sunbelt Environmental Services, Inc. "Waste Disposal Cost Proposal" for \$4,795. See attached Comark quote 4034 KYTV Itemization of Existing Transmitter Removal Proposal, for \$33,700.	\$45,077.50	a
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	\$190.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$2,545.00	N/A	N/A	N/A
Sub-total	\$96,224.38	\$87,204.38	N/A	\$50,746.73	N/A
Total for all systems	\$3,666,235.58	\$3,528,714.89	N/A	\$3,305,940.69	N/A

# Components

Actual Information Description	File Name
Floor Mounting Hardware for Mask Filter	Information not provided.

MVPD Notification of Channel Change	Component Description:	Professional services
	Amount:	\$1,114.76
Develop and air		
announcement of upcoming	Component Description:	Total professiona
channel change		services, total
		disbursements
	Amount:	\$362.50
	Component Description:	Prepare MVPD
		Channel Change
		(Repack)
		Notifications
	Amount:	\$2,000.00
Equipment Storage	Information not provided.	

Equipment Delivery and Handling Charges	Component Description: Amount:	Forklift rental \$281.02
	Component Description: Amount:	Forklift rental \$309.78
	Component Description: Amount:	Forklift - 19" Reach 5,500 Lbs \$393.12
	Component Description: Amount:	Forklift rental \$351.72
	Component Description: Amount:	Forklift rental \$355.20
	Component Description: Amount:	Forklift rental \$311.13

Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description:	Repack disposal of
	Amount:	Ch. 44 transmitter \$8,340.00
	Component Description:	Remove Air Cooled Transmitter, Harris Brand, filter and transmission line, and Exciter cabinet. \$9,500.00
	Component Description:	Analysis of oil within four transformers to determine whether the oils contain PBCS \$320.00
	Component Description:	Quoted price \$30,000 minus scrap value
	Amount:	\$26,917.50
FCC Filing Fees - Special Temporary Authorization request	Component Description: Amount:	KYTV-610-STA FCC Filing Fees \$190.00
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
DTV Medical Facility Notification	Information not provided.	

Cost Information	Grand Total				
		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$3,666,235.58	\$3,528,714.89	\$3,305,940.69	

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

Certification	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.	
		<ol> <li>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>The above-named</li> </ol>	
		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).
- 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.	
an aut nameo	are, under penalty of perjury, that I am horized representative of the above- d applicant for the Authorization(s) ed above.	Robert Folliard , III Assistant Secretary 06/22/2021

Certification	Section	Question	Response
Certification	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).	
		<ol> <li>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> </ol>	
		2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.	
		3. 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).
- 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.	
an au name	are, under penalty of perjury, that I am thorized representative of the above- d applicant for the Authorization(s) ied above.	Robert Folliard , III Assistant Secretary 06/22/2021

#### Attachments

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