Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **36003** | Service: **DTV** | Call Sign: **KYTV** | Channel: **19 (UHF)**

File Number: **0000028722**

FRN: **0018223693** | Date Submitted: **10/25/2019**

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 Information

Reimbursement Contact Name and 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	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

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 and Type	Manufacturer	
	Model	CD3400P4
	Year	2000
	Type	Inductive Output Tube
	IOT Power Type	Other
	Other IOT Power Type	4
	Power Capacity	69.2 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-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.

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
	Type	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

Information not provided.

Antennas

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

Primary Antenna

Existing Antenna Information

Section	Question	Response
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 Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Top
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	967.0 kW

Manufacturer	
Model	TFU-24GTH-R04
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	Top
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	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 Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
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 transmission line and antenna?	Yes

Primary Antenna

Other Antenna Cost Not Listed

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
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW
	Manufacturer	
	Model	ATW29HS3-ESO-19H
	Year	2008

	Justification for New Antenna	Station is utilizing a repurposed antenna and will incur installation costs only for this interim antenna.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	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 Line

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

Primary Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	Dielectric
	Type	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

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name	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 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)	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
KYCW-LD 11135
Wireless ISP

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:	No reinforcements needed

Primary Tower

Tower Rigging Costs

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

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Minor Modification	Modification for new top plate adapter

Outside Professional Services Costs

Section	Question	Response
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 Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes

	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	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 an auxiliary system and will need to guarantee quick on-air since it is being done after our period date.

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	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 Expenses

Other Expenses Not Listed

Name	Description
Floor Mounting Hardware for Mask Filter	Floor Mounting Hardware for Mask Filter

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-150	**$2,737,696.65**	**$2,504,187.56**		**$2,496,941.43**	
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
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
Sub-total	$2,737,696.65	$2,504,187.56	N/A	$2,496,941.43	N/A
Total for all systems	$3,858,302.38	$3,709,786.89	N/A	$3,202,320.04	N/A

Components

Actual Information Description	File Name

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

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

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 Justificatior
Interim Antenna ATW29HS3-ESO-19H	**$54,452.50**	**$54,122.50**		**$13,682.50**	
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	$13,682.50	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	N/A	N/A
Primary Antenna TFU 24JTH /VP-R 04	**$342,110.00**	**$248,161.60**		**$173,419.03**	
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
Top Plate Adapter	***$18,330.00***	$18,330.00	N/A	$8,248.50	N/A

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
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	$187,101.53	N/A
Total for all systems	$3,858,302.38	$3,709,786.89	N/A	$3,202,320.04	N/A

Components

Actual Information Description	File Name

UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, horizontally polarized	**Component Description:** **Amount:** **Component Description:** **Amount:**	Interim Antenna Repack (Phase 1), Option: Electrical Sweep Testing after Antenna Installation $13,682.50 Electrical Sweep Testing after Antenna Installation $34,040.00
Sweep test of existing antenna	Information not provided.	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	**Component Description:** **Amount:** **Component Description:** **Amount:**	KYTV-210-Elbow complex New Primary Antenna $2,553.60 Elbow Complex $3,192.00

Top Plate Adapter	**Component Description:**	Top plate adapter
	Amount:	$4,582.50
	Component Description:	Top plate adapter New Primary Antenna
	Amount:	$4,582.50
	Component Description:	KYTV-210-Top plate adapter New Primary Antenna
	Amount:	$3,666.00
	Component Description:	Primary Antenna Top Plate Adapter
	Amount:	$5,499.00

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

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	**Component Description:**	Primary Antenna, Top Mount
	Amount:	$48,413.01
	Component Description:	UHF-HIGH POWER TOP MOUNT (200-1000KW)
	Amount:	$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:	New Primary Antenna-UHF High Power Top Mount
	Amount:	$40,344.18

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

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	**$206,186.85**	**$206,186.85**		**($52,085.65)**	
Refurbish Transmission Line	***$206,186.85***	$206,186.85	N/A	($52,085.65)	N/A
Sub-total	$206,186.85	$206,186.85	N/A	($52,085.65)	N/A
Total for all systems	$3,858,302.38	$3,709,786.89	N/A	$3,202,320.04	N/A

Components

Actual Information Description	File Name

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

Cost Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
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	$3,858,302.38	$3,709,786.89	N/A	$3,202,320.04	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 Load Check
	Amount:	$2,076.00

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

	Component Description:	STNLSA STNL Structural Analysis
	Amount:	$1,750.00
Minor Modification	Information not provided.	
Tall Tower (greater than 500')	**Component Description:**	Tower Rigging /Replacement of Existing Antenna
	Amount:	$68,820.00
	Component Description:	Antenna Replacement
	Amount:	$49,400.00
	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:	February weather day Addendum
	Amount:	$49,000.00
	Component Description:	Antenna replacement
	Amount:	$63,590.00

Component Description:	Antenna Replacement
Amount:	$48,850.00
Component Description:	Perform Electrical Testing
Amount:	$1,500.00

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	**$178,532.00**	**$169,372.00**		**$99,064.00**	
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

Project management of the transition	$142,200.00	$135,000.00	N/A	$93,100.50	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	$3,937.50	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
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 request for Special Temporary Authorization	$2,050.00	$1,500.00	N/A	N/A	N/A
Sub-total	$178,532.00	$169,372.00	N/A	$99,064.00	N/A

Total for all systems	$3,858,302.38	$3,709,786.89	N/A	$3,202,320.04	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:** **Amount:**	Complete and file license to cover application for repack facility. $631.00
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:** **Component Description:** **Amount:**	For professional services Rendered through October 31, 2018 $362.50 For professional services rendered through November 30, 2018 $70.00
Project management of the transition		

Component Description: Project Management
Amount: $3,813.75

Component Description: Transition Related Project Management Costs
Amount: $2,850.00

Component Description: Project management
Amount: $2,517.65

Component Description: Project Management
Amount: $3,733.80

Component Description: Project Management
Amount: $2,674.40

Component Description: Project Mgt
Amount: $2,896.05

Component Description: Project Management
Amount: $3,957.10

Component Description: Project Management
Amount: $4,803.45

Component Description: Project Management
Amount: $4,088.20

Component Description: Project Management
Amount: $8,298.80

Component Description: Project Management
Amount: $2,953.65

Component Description: KYTV-510-Project Management
Amount: $1,650.00

Component Description: Project Management
Amount: $3,079.55

Component Description: Project management
Amount: $1,325.55

Component Description: Project Management
Amount: $4,250.65

Component Description: Project Management
Amount: $2,856.85

Component Description: Project Management
Amount: $2,103.75

Component Description: Project Mgt
Amount: $802.25

Component Description:	Project Mgt
Amount:	$28.20
Component Description:	Project Management
Amount:	$2,776.85
Component Description:	Project Management
Amount:	$2,462.30
Component Description:	Project Management
Amount:	$5,773.15
Component Description:	Project Mgt
Amount:	$2,618.80
Component Description:	Project Management
Amount:	$3,646.05
Component Description:	Project Management
Amount:	$4,254.40
Component Description:	Professional Services
Amount:	$507.50
Component Description:	Project Management
Amount:	$1,902.90

	Component Description: Project Mgt **Amount:** $913.95 **Component Description:** Project Management **Amount:** $2,175.25 **Component Description:** Project Management **Amount:** $2,414.35 **Component Description:** Project Management **Amount:** $3,932.95 **Component Description:** Project Mgt **Amount:** $830.80 **Component Description:** Project Management **Amount:** $1,857.60
Prepare and or review reimbursement form	Information not provided.
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.

Perform engineering study for new channel assignment and antenna development	**Component Description:** **Amount:**	Channel study to identify any linked stations that would be affected by transition prior to scheduled date. $175.00
	Component Description: **Amount:**	Develop technical parameters for interim side mount antenna $562.50
	Component Description: **Amount:**	Perform engineering study for new channel assignment $2,700.00
	Component Description: **Amount:**	Regarding buildout of repack ch-19 facility, review final operating constants $500.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	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 request for Special Temporary Authorization	Information not provided.	

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificatic
Other Expenses	**$96,224.38**	**$87,204.38**		**$50,746.73**	
Equipment Delivery and Handling Charges	***$17,700.00***	$17,700.00	N/A	$2,001.97	N/A
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

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	$3,858,302.38	$3,709,786.89	N/A	$3,202,320.04	N/A

Components

Actual Information Description	File Name

Equipment Delivery and Handling Charges	**Component Description:** Forklift rental **Amount:** $355.20 **Component Description:** Forklift - 19" Reach 5,500 Lbs **Amount:** $393.12 **Component Description:** Forklift rental **Amount:** $351.72 **Component Description:** Forklift rental **Amount:** $311.13 **Component Description:** Forklift rental **Amount:** $281.02 **Component Description:** Forklift rental **Amount:** $309.78
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 channel change	**Component Description:** **Amount:** **Component Description:** **Amount:**	Total professional services, total disbursements $362.50 Prepare MVPD Channel Change (Repack) Notifications $2,000.00
Equipment Storage	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	**Component Description:** **Amount:** **Component Description:** **Amount:** **Component Description:** **Amount:** **Component Description:** **Amount:**	Analysis of oil within four transformers to determine whether the oils contain PBCS $320.00 Repack disposal of Ch. 44 transmitter $8,340.00 Quoted price $30,000 minus scrap value $26,917.50 Remove Air Cooled Transmitter, Harris Brand, filter and transmission line, and Exciter cabinet. $9,500.00

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	$3,858,302.38	$3,709,786.89	$3,202,320.04

Reimbursement Status

Question	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.	
	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 above-named applicant for the Authorization(s) specified above.	**Robert Folliard , III .** *Assistant Secretary* 10/25/2019

Certification

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. 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) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

	8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**Robert Folliard , III .** *Assistant Secretary* 10/25/2019

Attachments