



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **36003** | Service: **DTV** | Call **KYTV** | Channel: **19 (UHF)** |
ID: | Sign:
File **0000028722**
Number:
FRN: **0018223693** | Date **08/14**
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 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 <i>Widely</i>	Samuel Hariton 4031 University Dr Suite 100 Fairfax, VA 22030 United States	+1 (339) 222-8107	sam.hariton@widely.com

**Broadcaster
Information
and
Transition
Plan**

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	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 leasehold 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-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	Top
	Polarization	Circular
	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?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No

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

Wireless ISP

KYCW-LD 11135

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**

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 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.	<i>\$107,696.65</i>	\$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	\$3,240,064.57	N/A

Components

Actual Information	
Description	File Name

UHF - Liquid Cooled Solid
State Transmitter 86.8 . 106
kW

Component Description: ULXTE-150
Transmitter
Amount: \$131,930.34

Component Description: ULXTE-150
Transmitter
Amount: \$598,715.64

Component Description: expense report
Amount: \$1,802.74

Component Description: Kirk Lemons
Expense Report
re: CBR# 18-
FCC018
Amount: \$1,150.00

Component Description: ULXTE-150
Trasmitter
Amount: \$1,655,646.06

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:	30A 3 POLE INLINE HG STYLE BREAKER
Amount:	\$1,251.28
Component Description:	Electrical labor
Amount:	\$120.37
Component Description:	Electrical Demolition and Construction, Fordland Transmitter Site
Amount:	\$55,325.00
Component Description:	Electrical Demolition and Construction, Fordland Transmitter Site
Amount:	\$51,000.00

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 Justification
Interim Antenna ATW29HS3-ESO-19H	\$54,452.50	\$54,122.50		\$47,722.50	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, horizontally polarized	<i>\$47,722.50</i>	\$47,722.50	Per Precision Communications Proposal 18380-5 antenna cost only and Addendum to Proposal 18380-5	\$47,722.50	N/A
Primary Antenna TFU 24JTH /VP-R 04	\$342,110.00	\$248,161.60		\$173,419.03	
Top Plate Adapter	<i>\$18,330.00</i>	\$18,330.00	N/A	\$8,248.50	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

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
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	\$3,858,302.38	\$3,709,786.89	N/A	\$3,240,064.57	N/A

Components

Actual Information	
Description	File Name
Sweep test of existing antenna	Information not provided.

UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, horizontally polarized		
	Component Description:	Interim Antenna Repack (Phase 1), Option: Electrical Sweep Testing after Antenna Installation
	Amount:	\$13,682.50
	Component Description:	Electrical Sweep Testing after Antenna Installation
	Amount:	\$34,040.00
Top Plate Adapter		
	Component Description:	KYTV-210-Top plate adapter New Primary Antenna
	Amount:	\$3,666.00
	Component Description:	Top plate adapter New Primary Antenna
	Amount:	\$4,582.50
	Component Description:	Top plate adapter
	Amount:	\$4,582.50
	Component Description:	Primary Antenna Top Plate Adapter
	Amount:	\$5,499.00

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

Sweep test of existing antenna	<table> <tr> <td data-bbox="716 179 1023 208">Component Description:</td><td data-bbox="1157 179 1369 286">KYTV-210-Sweep test New Primary Antenna</td></tr> <tr> <td data-bbox="716 300 823 329">Amount:</td><td data-bbox="1157 300 1273 329">\$1,280.00</td></tr> <tr> <td data-bbox="716 439 1023 468">Component Description:</td><td data-bbox="1157 439 1353 504">Sweep test New Primary Antenna</td></tr> <tr> <td data-bbox="716 517 823 546">Amount:</td><td data-bbox="1157 517 1273 546">\$1,600.00</td></tr> <tr> <td data-bbox="716 656 1023 685">Component Description:</td><td data-bbox="1157 656 1337 882">Engineering services to perform Line sweep of KYTV antenna/line installation</td></tr> <tr> <td data-bbox="716 896 823 925">Amount:</td><td data-bbox="1157 896 1273 925">\$3,500.00</td></tr> <tr> <td data-bbox="716 1034 1023 1064">Component Description:</td><td data-bbox="1157 1034 1353 1142">Sweep Test for New Primary Antenna System</td></tr> <tr> <td data-bbox="716 1155 823 1184">Amount:</td><td data-bbox="1157 1155 1273 1184">\$1,920.00</td></tr> <tr> <td data-bbox="716 1294 1023 1323">Component Description:</td><td data-bbox="1157 1294 1353 1359">Primary Antenna Sweep Test</td></tr> <tr> <td data-bbox="716 1373 823 1402">Amount:</td><td data-bbox="1157 1373 1273 1402">\$1,600.00</td></tr> </table>	Component Description:	KYTV-210-Sweep test New Primary Antenna	Amount:	\$1,280.00	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:	Primary Antenna Sweep Test	Amount:	\$1,600.00
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Component Description:	Primary Antenna Sweep Test																				
Amount:	\$1,600.00																				
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	<table> <tr> <td data-bbox="716 1545 1023 1574">Component Description:</td><td data-bbox="1157 1545 1359 1653">KYTV-210-Elbow complex New Primary Antenna</td></tr> <tr> <td data-bbox="716 1666 823 1695">Amount:</td><td data-bbox="1157 1666 1273 1695">\$2,553.60</td></tr> <tr> <td data-bbox="716 1805 1023 1834">Component Description:</td><td data-bbox="1157 1805 1337 1834">Elbow Complex</td></tr> <tr> <td data-bbox="716 1848 823 1877">Amount:</td><td data-bbox="1157 1848 1273 1877">\$3,192.00</td></tr> </table>	Component Description:	KYTV-210-Elbow complex New Primary Antenna	Amount:	\$2,553.60	Component Description:	Elbow Complex	Amount:	\$3,192.00												
Component Description:	KYTV-210-Elbow complex New 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:	Primary Antenna
		Elbow Complex
	Amount:	\$3,192.00
	Component Description:	Please deny this component
	Amount:	N/A
	Component Description:	Primary Antenna
		Elbow Complex
	Amount:	\$3,830.40

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		(\$36,193.15)	
Refurbish Transmission Line	<i>\$206,186.85</i>	\$206,186.85	N/A	(\$36,193.15)	N/A
Sub-total	\$206,186.85	\$206,186.85	N/A	(\$36,193.15)	N/A
Total for all systems	\$3,858,302.38	\$3,709,786.89	N/A	\$3,240,064.57	N/A

Components

Actual Information	
Description	File Name

Refurbish Transmission
Line

Component Description: KYTV-310-
Refurbish existing
transmission line
Amount: \$99.24

Component Description: RIGID
TRANSMISSION
LINE - COPPER
Amount: \$12,870.05

Component Description: Gas barrier assy 8-
75
Amount: \$3,146.50

Component Description: Credit Memo
Amount: (\$115,407.16)

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

Component Description: New Inner
Conductors for
Existing Primary
Transmission Line
Amount: \$63,098.22

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

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		\$419,302.00	
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	\$27,652.00	N/A
Minor Modification	<i>\$20,000.00</i>	\$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	\$419,302.00	N/A
Total for all systems	\$3,858,302.38	\$3,709,786.89	N/A	\$3,240,064.57	N/A

Components

Actual Information	
Description	File Name
Structural engineering tower load study for well documented tower	<div>Component Description:STNLSA STNL Structural Analysis</div> <div>Amount:\$3,000.00</div>

Component Description:	Final 50% invoiced on Engineering Review of Applied Load Check
Amount:	\$2,076.00

Component Description:	STNLSA STNL Structural Analysis - applied load analysis on the tower
Amount:	\$3,000.00

Component Description:	STNLSA STNL Rigorous Structural Tower Evaluation
Amount:	\$1,250.00

Component Description:	STNLSA STNL Structural Analysis
Amount:	\$1,750.00

Component Description:	Structural analysis and report
Amount:	\$6,250.00

Component Description:	STNL Structural Analysis
Amount:	\$6,500.00

Component Description:	STNLSA STNL Structural Analysis
Amount:	\$2,076.00

Component Description:	STNLSA STNL Structural Analysis
Amount:	\$1,750.00

Minor Modification	Information not provided.	
Tall Tower (greater than 500')	<p>Component Description:</p> <p>Amount:</p>	<p>Tower Rigging /Replacement of Existing Antenna</p> <p>\$68,820.00</p>
	<p>Component Description:</p> <p>Amount:</p>	<p>Antenna Replacement</p> <p>\$49,400.00</p>
	<p>Component Description:</p> <p>Amount:</p>	<p>Per Precision Communications, Inc. addendum to proposal 17470-6C</p> <p>\$46,900.00</p>
	<p>Component Description:</p> <p>Amount:</p>	<p>Per Precision Communications Inc. Proposal 17470-6C; Antenna Replacement, KYTV-Fordland, MO</p> <p>\$63,590.00</p>
	<p>Component Description:</p> <p>Amount:</p>	<p>February weather day Addendum</p> <p>\$49,000.00</p>
	<p>Component Description:</p> <p>Amount:</p>	<p>Antenna Replacement</p> <p>\$48,850.00</p>
	<p>Component Description:</p> <p>Amount:</p>	<p>Antenna replacement</p> <p>\$63,590.00</p>

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		\$88,519.15	
Attorney - Other Matters	<i>\$222.00</i>	\$222.00	KYTV Justification Outside Professional Services - Attorney - Other Matters	\$222.00	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
Project management of the transition	\$142,200.00	\$135,000.00	N/A	\$82,805.65	N/A
Additional Field Engineering Service, 3 Days	<i>\$5,400.00</i>	\$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), 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	\$7,000.00	N/A	\$3,687.50	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
Sub-total	\$178,532.00	\$169,372.00	N/A	\$88,519.15	N/A
Total for all systems	\$3,858,302.38	\$3,709,786.89	N/A	\$3,240,064.57	N/A

Components

Actual Information		
Description	File Name	
Attorney - Other Matters	Component Description: Amount:	KYTV-550- Attorney Fees - Other Matters \$222.00
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
Project management of the transition	Component Description: Amount: Component Description: Amount: Component Description: Amount:	Project Management \$2,175.25 Project management \$1,325.55 Project management \$2,517.65

Component Description:	Project Mgt
Amount:	\$802.25

Component Description:	Project Mgt
Amount:	\$830.80

Component Description:	Project Management
Amount:	\$1,857.60

Component Description:	Project Mgt
Amount:	\$2,618.80

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:	\$2,953.65

Component Description:	Project Management
Amount:	\$3,932.95

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

Component Description:	Professional Services
Amount:	\$507.50

Component Description:	Project Management
Amount:	\$1,902.90

Component Description:	Project Management
Amount:	\$2,414.35

Component Description:	Project Management
Amount:	\$2,776.85

Component Description:	Project Management
Amount:	\$4,250.65

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

	Component Description: Amount:	Project Mgt \$28.20
	Component Description: Amount:	Project Management \$4,254.40
	Component Description: Amount:	Project Management \$5,773.15
	Component Description: Amount:	Project Management \$2,462.30
	Component Description: Amount:	Project Mgt \$913.95
	Component Description: Amount:	Project Management \$2,856.85
	Component Description: Amount:	Project Management \$2,103.75
	Component Description: Amount:	Project Management \$3,079.55
	Component Description: Amount:	Project Management \$3,813.75
Additional Field Engineering Service, 3 Days	Information not provided.	

Attorney Fees - Prepare and File request for Special Temporary Authorization	Component Description: Legal services Amount: \$490.50
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: For professional services rendered through November 30, 2018 Amount: \$70.00 Component Description: For professional services Rendered through October 31, 2018 Amount: \$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: KYTV-530-RF Eng new channel study Amount: \$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: Amount:	Channel study to identify any linked stations that would be affected by transition prior to scheduled date. \$175.00
	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 \$250.00
	Component Description: Amount:	Develop technical parameters for interim side mount antenna \$562.50
Prepare and or review reimbursement form	Information not provided.	
Address transition timing and coordination issues w/ other stations and wireless	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 Cost Justification
Other Expenses	\$96,224.38	\$87,204.38		\$50,353.61	
Floor Mounting Hardware for Mask Filter	<i>\$12,252.12</i>	\$12,252.12	Please see the attached GatesAir quotes Q-79428 and Q-79477	N/A	N/A
MVPD Notification of Channel Change	<i>\$1,114.76</i>	\$1,114.76	N/A	\$1,114.76	N/A
Develop and air announcement of upcoming channel change	<i>\$5,000.00</i>	\$5,000.00	N/A	\$2,362.50	N/A
Equipment Storage	<i>\$3,000.00</i>	\$3,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$17,700.00</i>	\$17,700.00	N/A	\$1,608.85	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
DTV Medical Facility Notification	\$11,550.00	\$2,545.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	\$190.00	N/A
Sub-total	\$96,224.38	\$87,204.38	N/A	\$50,353.61	N/A
Total for all systems	\$3,858,302.38	\$3,709,786.89	N/A	\$3,240,064.57	N/A

Components

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

MVPD Notification of Channel Change	<div> Component Description: Professional services</div> <div> Amount: \$1,114.76 </div>
Develop and air announcement of upcoming channel change	<div> Component Description: Total professional services, total disbursements</div> <div> Amount: \$362.50 </div> <div> Component Description: Prepare MVPD Channel Change (Repack) Notifications</div> <div> Amount: \$2,000.00 </div>
Equipment Storage	Information not provided.
Equipment Delivery and Handling Charges	<div> Component Description: Forklift rental</div> <div> Amount: \$351.72 </div> <div> Component Description: Forklift rental</div> <div> Amount: \$355.20 </div> <div> Component Description: Forklift rental</div> <div> Amount: \$281.02 </div> <div> Component Description: Forklift rental</div> <div> Amount: \$309.78 </div> <div> Component Description: Forklift rental</div> <div> Amount: \$311.13 </div>

Disposal Costs (for equipment and other waste, net of any salvage value)	<table> <tr> <td data-bbox="710 174 1013 208">Component Description:</td><td data-bbox="1150 174 1374 241">Repack disposal of Ch. 44 transmitter</td></tr> <tr> <td data-bbox="710 257 815 291">Amount:</td><td data-bbox="1150 257 1267 291">\$8,340.00</td></tr> <tr> <td data-bbox="710 398 1013 432">Component Description:</td><td data-bbox="1150 398 1369 622">Analysis of oil within four transformers to determine whether the oils contain PBCS</td></tr> <tr> <td data-bbox="710 638 815 672">Amount:</td><td data-bbox="1150 638 1246 672">\$320.00</td></tr> <tr> <td data-bbox="710 779 1013 813">Component Description:</td><td data-bbox="1150 779 1321 880">Quoted price \$30,000 minus scrap value</td></tr> <tr> <td data-bbox="710 891 815 925">Amount:</td><td data-bbox="1150 891 1283 925">\$26,917.50</td></tr> <tr> <td data-bbox="710 1032 1013 1066">Component Description:</td><td data-bbox="1150 1032 1382 1256">Remove Air Cooled Transmitter, Harris Brand, filter and transmission line, and Exciter cabinet.</td></tr> <tr> <td data-bbox="710 1267 815 1301">Amount:</td><td data-bbox="1150 1267 1267 1301">\$9,500.00</td></tr> </table>	Component Description:	Repack disposal of Ch. 44 transmitter	Amount:	\$8,340.00	Component Description:	Analysis of oil within four transformers to determine whether the oils contain PBCS	Amount:	\$320.00	Component Description:	Quoted price \$30,000 minus scrap value	Amount:	\$26,917.50	Component Description:	Remove Air Cooled Transmitter, Harris Brand, filter and transmission line, and Exciter cabinet.	Amount:	\$9,500.00
Component Description:	Repack disposal of Ch. 44 transmitter																
Amount:	\$8,340.00																
Component Description:	Analysis of oil within four transformers to determine whether the oils contain PBCS																
Amount:	\$320.00																
Component Description:	Quoted price \$30,000 minus scrap value																
Amount:	\$26,917.50																
Component Description:	Remove Air Cooled Transmitter, Harris Brand, filter and transmission line, and Exciter cabinet.																
Amount:	\$9,500.00																
DTV Medical Facility Notification	Information not provided.																
FCC Filing Fees - Form 2100 license to cover application	Information not provided.																
FCC Filing Fees - Special Temporary Authorization request	<table> <tr> <td data-bbox="710 1709 1013 1742">Component Description:</td><td data-bbox="1150 1709 1337 1776">KYTV-610-STA FCC Filing Fees</td></tr> <tr> <td data-bbox="710 1787 815 1821">Amount:</td><td data-bbox="1150 1787 1246 1821">\$190.00</td></tr> </table>	Component Description:	KYTV-610-STA FCC Filing Fees	Amount:	\$190.00												
Component Description:	KYTV-610-STA FCC Filing Fees																
Amount:	\$190.00																

**Cost
Information**

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,858,302.38	\$3,709,786.89	\$3,240,064.57

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	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> 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.

<p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Robert Folliard <i>Assistant Secretary</i></p> <p>08/14/2019</p>

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 IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol style="list-style-type: none"> 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.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Robert Folliard <i>Assistant Secretary</i></p> <p>08/14/2019</p>

Attachments