



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **592** | Service: **DTV** | Call **KFVS-TV** | Channel:  
ID: | Sign:  
**11 (High VHF)** | File **0000024795**  
Number:  
FRN: **0018223693** | Date **12/28**  
Submitted: **/2020**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>GRAY TELEVISION LICENSEE, LLC</b> Doing Business As: GRAY TELEVISION LICENSEE, LLC	Robert Folliard 4370 PEACHTREE ROAD, NE ATLANTA, GA 30319 United States	+1 (540) 433-9191	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
The Preparer is same as the reimbursement contact.			

## Broadcaster Information and Transition Plan

Question	Response
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Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	Install interim antenna and connect to existing tx line Remove and replace top mounted existing antenna Install new transmission line to top mounted antenna Install new main and backup transmitters

## Transmitters

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

**Auxiliary  
Transmitter****Add Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Emergency Backup
	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
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	HTEL
	Year	2009
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	1.1 kW

**Auxiliary  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	VAXTE-3R44
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	2.4 kW
	Justification for New Transmitter	Existing transmitter cannot be retuned Manufacturers letter attached

**Auxiliary  
Transmitter**

**Other Transmitter Costs**

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

	Description	Electrical modifications necessary to accommodate the new auxiliary transmitter including new circuits, grounding, UPS, and other auxiliary transmitter electrical expenses.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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

**Auxiliary Transmitter**

**Other Transmitter Cost Not Listed**

Information not provided.

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	HTEL
	Year	2009
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	1.1 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	VAXTE-3R44
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	2.9 kW
	Justification for New Transmitter	Existing transmitter can not be retuned Manufacturers letter attached Headroom chart attached

**Primary  
Transmitter**

**Other Transmitter Costs**

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

	Description	Electrical modifications necessary to accommodate the new primary transmitter including new circuits, grounding, UPS, and other primary transmitter electrical expenses
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Other
	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	Traveling Wave
	ERP: (Effective Radiated Power) .....	6.8 kW

Manufacturer	
Model	TW12B12R
Year	2009

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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?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	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) .....	6.8 kW
	Manufacturer	

Model	THV-10A11 /VP-R 04
Year	2019
Justification for New Antenna	Existing antenna can not be retuned E-Pol premium is not reimbursable

## Primary Antenna

### Other Antenna Costs

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

Primary Antenna	Other Antenna Cost Not Listed Information not provided.
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**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
<b>New Antenna Manufacturer and Type</b>	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) .....	7.5 kW
	Manufacturer	
	Model	TLS-V4BB
	Year	2019

	Justification for New Antenna	Interim antenna while changing out top mount antenna.
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**Interim Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	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
<b>Existing Transmission Line Description</b>	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1700 feet per run

**Primary**  
**Transmission Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	4 1/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1700 feet per run
	Justification for New Transmission Line	Existing line is Marman Clamp line. Dielectric no longer produces this line. Existing line used as interim. Replacing 6" with 4"

**Primary**  
**Transmission Line**

**Other Transmission Line Expenses Not Listed**

Name	Description
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**Interim Transmission Line Parts**

Additional transmission line parts required for connection of interim antenna system. Category added at the request of the FCC per MSG4032303

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**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?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	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?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	37° 25' 46.0" N-
	Longitude (NAD83)	089° 30' 14.0" W-
	Overall Structure Height	1676.82 feet
	Support Structure Height	1594.80 feet
	Ground Elevation Above Mean Sea Level (AMSL)	809.70 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	KFVS, LLC
Date Constructed	08/31/1960

**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:	Minor Reinforcements needed

**Primary  
Tower**

**Tower Rigging Costs**

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

**Primary  
Tower**

**Other Tower Expenses Not Listed**

Information not provided.

**Outside  
Professional Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	595
	Explanation	Pattern analysis Antenna Spec Transmitter Spec Building drawings Installation Supervision Accounting Internal Legal Please see the attached Widelity quote
<b>Outside RF consulting Engineering Services</b>	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
<b>Attorney and Other Outside Consulting Services</b>	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	Yes
	Prepare or Review FCC Form 399 for Reimbursement	No
	Address transition timing and coordination issues w/ other stations and wireless providers	No
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A



Outside Other Professional Services Expenses Not Listed  
Professional Services Costs  
Services provided.

## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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
<b>Permit and Filing Costs</b>	Local Zoning	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	Yes
<b>Other Miscellaneous Expenses</b>	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	No
	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
Site Preparation	Site Preparation

## 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
<b>Primary Transmitter VAXTE-3R44</b>	<b>\$199,251.19</b>	<b>\$163,983.17</b>		<b>\$121,833.05</b>	
Other Electrical Service: Electrical modifications necessary to accommodate the new primary transmitter including new circuits, grounding, UPS, and other primary transmitter electrical expenses	<i>\$8,551.19</i>	\$8,551.19	Please see KT POWER SYSTEMS quote dated January 10, 2020	\$8,551.19	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$35,300.00	N/A	\$0.00	N/A
High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW	\$152,500.00	\$120,131.98	Quote attached	\$113,281.86	N/A
<b>Auxiliary Transmitter VAXTE-3R44</b>	<b>\$199,251.19</b>	<b>\$121,284.79</b>		<b>\$107,065.02</b>	

Other Electrical Service: Electrical modifications necessary to accommodate the new auxiliary transmitter including new circuits, grounding, UPS, and other auxiliary transmitter electrical expenses.	<b>\$8,551.19</b>	\$8,551.19	Please see KT POWER SYSTEMS quote dated January 10, 2020	\$8,551.19	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$10,000.00	estimated addition to main tx switch panel	\$0.00	N/A
High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW	\$152,500.00	\$102,733.60	Please see GatesAir Quote GA-00023262	\$98,513.83	N/A
<b>Sub-total</b>	\$398,502.38	\$285,267.96	N/A	\$228,898.07	N/A
<b>Total for all systems</b>	\$1,942,959.43	\$1,923,225.84	N/A	\$1,258,673.09	N/A

## Components

Actual Information	
Description	File Name
Other Electrical Service: Electrical modifications necessary to accommodate the new primary transmitter including new circuits, grounding, UPS, and other primary transmitter electrical expenses	<p><b>Component Description:</b> Labor charges for persons completing work</p> <p><b>Amount:</b> \$8,551.19</p>

Switchgear - industrial 800 amp	Information not provided.
High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW	<div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> Transmitter  \$52,182.92 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> Deposit  \$9,961.55 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> VAXTE-3  \$16,063.71 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> A. Transmitter  \$19,276.42 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> VAXTE-3  \$10,709.14 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> VAXTE-3 per  Quote GA-  0023261  \$15,049.67 </div> </div>
Other Electrical Service: Electrical modifications necessary to accommodate the new auxiliary transmitter including new circuits, grounding, UPS, and other auxiliary transmitter electrical expenses.	<div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> KFVS-TV-150-1st  Auxiliary  Transmitter -  Electrical  \$8,551.19 </div> </div>
Switchgear - industrial 800 amp	Information not provided.

High VHF - Air Cooled Solid  
State Transmitter 1.1 . 4.4  
kW

**Component Description:** VAXTE-3  
**Amount:** \$14,627.05

**Component Description:** Transmitter  
**Amount:** \$45,366.39

**Component Description:** KFVS-TV-150-1st  
Auxiliary  
Transmitter - High  
VHF Air Cooled  
Solid State, 1.1-  
4.4 kW  
**Amount:** \$1,566.93

**Component Description:** A. Transmitter  
**Amount:** \$15,006.80

**Component Description:** Deposit  
**Amount:** \$7,618.61

**Component Description:** VAXTE-3  
**Amount:** \$14,108.15

**Component Description:** VAXTE-3  
**Amount:** \$9,405.44

## 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
<b>Interim Antenna TLS-V4BB</b>	<b>\$70,797.00</b>	<b>\$70,467.00</b>		<b>\$38,308.25</b>	
High VHF - High Power Side Mount One Station horizontally polarized	<i>\$64,067.00</i>	\$64,067.00	Quote attached Estimated tax and shipping added to cost	\$32,868.25	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Please see KFVS Dielectric quote 183005	\$5,440.00	N/A
<b>Primary Antenna THV-10A11 /VP-R 04</b>	<b>\$401,330.50</b>	<b>\$401,000.50</b>		<b>\$352,966.50</b>	
High VHF - High Power Top Mount One Station elliptically or circularly polarized	<i>\$394,600.50</i>	\$394,600.50	see Estimated Cost Justification KFVS-TV-210-Primary Antenna - High VHF High Power Top Mount, C-POL v0	\$346,566.50	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Please see Dielectric Quote 45017	\$6,400.00	N/A



<b>Sub-total</b>	\$472,127.50	\$471,467.50	N/A	\$391,274.75	N/A
<b>Total for all systems</b>	\$1,942,959.43	\$1,923,225.84	N/A	\$1,258,673.09	N/A

## Components

Actual Information		
Description	File Name	
High VHF - High Power Side Mount One Station horizontally polarized	<b>Component Description:</b>	Antenna, Mounts, Repack Sweep, and other equipment
	<b>Amount:</b>	\$3,753.00
	<b>Component Description:</b>	Antenna
	<b>Amount:</b>	\$18,765.00
	<b>Component Description:</b>	FOR PURCHASE OF INTERIM ANTENNAS
	<b>Amount:</b>	\$967.75
	<b>Component Description:</b>	Antenna
	<b>Amount:</b>	\$9,382.50

Sweep test of existing antenna	<b>Component Description:</b> <b>Amount:</b>	Sweep Test \$640.00
	<b>Component Description:</b> <b>Amount:</b>	KFVS-TV-280- Interim Antenna - Sweep Test \$3,200.00
	<b>Component Description:</b> <b>Amount:</b>	KFVS-TV-280- Interim Antenna - Sweep Test \$1,600.00
	<b>Component Description:</b> <b>Amount:</b>	Invoice moved to the correct budget category. N/A

High VHF - High Power Top Mount One Station elliptically or circularly polarized	<b>Component Description:</b>	ELBOW COMPLEX 4-1 /16" EIACH11 KFVS
	<b>Amount:</b>	\$40,073.48
	<b>Component Description:</b>	One station antenna-top mount, elliptically or circularly polarized
	<b>Amount:</b>	\$27,355.65
	<b>Component Description:</b>	HIGH-VHF One station antenna - top mount
	<b>Amount:</b>	\$66,149.12
	<b>Component Description:</b>	KFVS SUPPORT POLE/ADAPTER
	<b>Amount:</b>	\$79,410.00
	<b>Component Description:</b>	HIGH-VHF
	<b>Amount:</b>	\$133,578.25

Sweep test of existing antenna

**Component Description:** 1. KFVS-TV-210-  
Primary Antenna -  
Sweep Test  
**Amount:** \$960.00

**Component Description:** KFVS-TV-210-  
Primary Antenna -  
Sweep Test  
**Amount:** \$2,240.00

**Component Description:** KFVS-TV-210-  
Primary Antenna -  
Sweep Test  
**Amount:** \$3,200.00

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	\$247,667.73	\$181,396.73		\$157,114.08	
Interim Transmission Line Parts	\$6,267.73	\$6,267.73	Please see attached Dielectric Quote 183005, Line items 3 - 8 and FCC MSG4032303	\$5,489.19	N/A
Rigid Transmission Line - copper, 4 1/16"	\$241,400.00	\$175,129.00	Quote attached (part of main antenna quote) Estimated tax and shipping included in cost	\$151,624.89	N/A
Sub-total	\$247,667.73	\$181,396.73	N/A	\$157,114.08	N/A
Total for all systems	\$1,942,959.43	\$1,923,225.84	N/A	\$1,258,673.09	N/A

Components

Actual Information Description	File Name
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Interim Transmission Line Parts	<b>Component Description:</b>  <b>Amount:</b>	Interim Transmission Parts \$626.77
	<b>Component Description:</b>  <b>Amount:</b>	KFVS-TV-310- Primary Transmission Line - Interim Transmission Parts \$3,133.86
	<b>Component Description:</b>  <b>Amount:</b>	KFVS-TV-310- Primary Transmission Line - Interim Transmission Parts \$161.63
	<b>Component Description:</b> <b>Amount:</b>	Transmission Line \$1,566.93

Rigid Transmission Line -  
copper, 4 1/16"

**Component Description:** 2. KFVS-TV-310-  
Primary  
Transmission Line  
- Rigid Copper, 4 1  
/16"

**Amount:** \$23,285.88

**Component Description:** REDUCER 4-50 X  
1 -50 QUICK STEP

**Amount:** \$868.00

**Component Description:** KFVS-TV-310-  
Primary  
Transmission Line  
- Rigid Copper, 4 1  
/16"

**Amount:** \$37,491.47

**Component Description:** Primary  
Transmission Line

**Amount:** \$14,996.59

**Component Description:** KFVS-TV-310-  
Primary  
Transmission Line  
- Rigid Copper, 4 1  
/16"

**Amount:** \$74,982.95

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 GTOWER	\$532,900.00	\$659,590.00		\$364,165.75	
Tower Helicopter Lift	<i>\$151,800.00</i>	\$151,800.00	Please see Tower King II Proposal C-20-013	\$107,333.33	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$14,590.00	Per Estimated Cost Justification KFVS-TV-410-Structural Engineering Tower Load Study v0	\$14,590.00	a
Tall Tower (greater than 500')	\$210,500.00	\$343,200.00	per Tower King II, Inc. Proposal C-20-013	\$220,417.98	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	\$21,824.44	N/A
Sub-total	\$532,900.00	\$659,590.00	N/A	\$364,165.75	N/A
Total for all systems	\$1,942,959.43	\$1,923,225.84	N/A	\$1,258,673.09	N/A

Components

Actual Information	
Description	File Name



Tower Helicopter Lift	<div> <div>Component Description:</div> <div>2) KFVS-TV-410-Helicopter Lift @ \$61,333.33</div> <div>Amount:</div> <div>\$61,333.33</div> </div> <div> <div>Component Description:</div> <div>2) KFVS-TV-410-Helicopter Lift @ \$46,000.00</div> <div>Amount:</div> <div>\$46,000.00</div> </div>
Structural engineering tower load study for well documented tower	<div> <div>Component Description:</div> <div>Structural Engineering</div> <div>Amount:</div> <div>\$675.00</div> </div> <div> <div>Component Description:</div> <div>Invoice KFVS-TV-410-Existing Primary Transmitter - Structural Engineering Tower Load Study Tower King II, Inc. 3007</div> <div>Amount:</div> <div>\$5,500.00</div> </div> <div> <div>Component Description:</div> <div>Professional Engineering Services</div> <div>Amount:</div> <div>\$4,750.00</div> </div> <div> <div>Component Description:</div> <div>Tower Load study</div> <div>Amount:</div> <div>\$1,167.50</div> </div> <div> <div>Component Description:</div> <div>Continued analysis of tower with new Dielectric antenna for FCC Repack</div> <div>Amount:</div> <div>\$2,497.50</div> </div>

Tall Tower (greater than 500')	<div> <b>Component Description:</b> Progress Payment on the KFVS-TV, Cape Girardeau MO         </div> <div> <b>Amount:</b> \$125,953.13         </div>
	<div> <b>Component Description:</b> TOWER SERVICE         </div> <div> <b>Amount:</b> \$94,464.85         </div>
Minor tower reinforcement /modifications	<div> <b>Component Description:</b> 1) KFVS-TV-410- Existing Primary Tower - Minor Tower Reinforcement /Modifications @ \$12,471.11         </div> <div> <b>Amount:</b> \$12,471.11         </div>
	<div> <b>Component Description:</b> 1) KFVS-TV-410- Existng Primary Tower - Minor Tower Reinforcement /Modifications @ \$9,353.33         </div> <div> <b>Amount:</b> \$9,353.33         </div>

## 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
<b>Outside Professional Services</b>	<b>\$207,870.00</b>	<b>\$250,206.83</b>		<b>\$95,121.36</b>	
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$296.00	Please see KFVS-TV Attorney - Negotiation of Lease and Other Matters Revision Justification Cover Letter	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,000.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$8,485.83	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$8,485.83	Please see submitted invoices
Project management of the transition	\$94,010.00	\$144,675.00	Widely Strategic Support Quote	\$83,688.03	N/A

Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	\$947.50	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	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	N/A	N/A
<b>Sub-total</b>	\$207,870.00	\$250,206.83	N/A	\$95,121.36	N/A
<b>Total for all systems</b>	\$1,942,959.43	\$1,923,225.84	N/A	\$1,258,673.09	N/A

## Components

Actual Information	
Description	File Name
Comprehensive coverage verification via field study, if needed	Information not provided.

Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<b>Component Description:</b>  <b>Amount:</b>	FCC Form 2100 construction permit application \$2,000.00

Perform engineering study for new channel assignment and antenna development	<b>Component Description:</b>	KFVS-TV-530-RF Eng - Engineering Study for New Channel Assignment
	<b>Amount:</b>	\$7,490.00
	<b>Component Description:</b>	KFVS-TV-530-RF Eng - Engineering Study for New Channel Assignment
	<b>Amount:</b>	\$220.83
	<b>Component Description:</b>	Engineering study work for new channel assignment and antenna development;
	<b>Amount:</b>	\$500.00
	<b>Component Description:</b>	Engineering study work for new channel assignment and antenna development
	<b>Amount:</b>	\$125.00
	<b>Component Description:</b>	Consulting Engineer
	<b>Amount:</b>	\$150.00
Project management of the transition	<b>Component Description:</b>	Project Management
	<b>Amount:</b>	\$2,761.25

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$23.10

<b>Component Description:</b>	Project management
<b>Amount:</b>	\$4,203.65

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,979.55

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,048.90

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$4,402.45

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$200.19

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$632.94

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$69.30

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$28.23

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$4,665.05

<b>Component Description:</b>	KFVS-TV-510- Project Management
<b>Amount:</b>	\$1,617.02

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$33.37

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,607.30

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,949.65

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,356.95

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,034.20

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,375.75

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$35.93



<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,021.60

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,546.00

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,559.65

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,189.40

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,772.45

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$5,478.05

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,678.45

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,953.75

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$23.10

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$77.00

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$77.00

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,006.90

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$5,952.85

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,351.20

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$154.00

<b>Component Description:</b>	Project management
<b>Amount:</b>	\$2,331.50

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,569.60

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,920.75

Attorney Fees - Prepare and File request for Special Temporary Authorization	<p><b>Component Description:</b> For Professional Services Rendered Through March 31, 2020</p> <p><b>Amount:</b> \$947.50</p>
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.
Prepare request for Special Temporary Authorization	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	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
<b>Other Expenses</b>	<b>\$83,891.82</b>	<b>\$75,296.82</b>		<b>\$22,099.08</b>	
Site Preparation	<i>\$17,325.00</i>	\$17,325.00	Please see KFVS-TV Site Preparation Budget Justification Letter	N/A	N/A
MVPD Notification of Channel Change	<i>\$2,000.00</i>	\$2,000.00	see Estimated Cost Justification KFVS-TV-610-MVPD Notifications v0	\$1,998.50	N/A
Develop and air announcement of upcoming channel change	<i>\$2,850.00</i>	\$2,850.00	Quote attached	\$296.00	N/A
Equipment Storage	<i>\$30,500.00</i>	\$30,500.00	Dielectric estimate attached	\$7,020.00	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$200.00	Justification: Please see KFVS-TV Attorney Filing Fee - STA Justification Cover Letter	\$200.00	N/A

DTV Medical Facility Notification	\$11,550.00	\$2,950.00	Group quote attached	\$2,950.00	N/A
Equipment Delivery and Handling Charges	<b>\$19,471.82</b>	\$19,471.82	Estimated Cost Justification KFVS-TV-610-Equipment Delivery and Handling V0	\$9,634.58	N/A
<b>Sub-total</b>	\$83,891.82	\$75,296.82	N/A	\$22,099.08	N/A
<b>Total for all systems</b>	\$1,942,959.43	\$1,923,225.84	N/A	\$1,258,673.09	N/A

## Components

Actual Information Description	File Name
Site Preparation	Information not provided.
MVPD Notification of Channel Change	<b>Component Description:</b> For Professional Services Rendered <b>Amount:</b> \$1,998.50
Develop and air announcement of upcoming channel change	<b>Component Description:</b> For Professional Services Rendered <b>Amount:</b> \$296.00
Equipment Storage	<b>Component Description:</b> KFVS-TV-610-Equipment Storage <b>Amount:</b> \$7,020.00

FCC Filing Fees - Special Temporary Authorization request	<b>Component Description:</b> KFVS-TV-610-Filing Fees- STA <b>Amount:</b> \$200.00
DTV Medical Facility Notification	<b>Component Description:</b> Medical Notification <b>Amount:</b> \$2,950.00
Equipment Delivery and Handling Charges	<b>Component Description:</b> Forklift Variable Reach <b>Amount:</b> \$760.22  <b>Component Description:</b> FREIGHT AND SHIPPING <b>Amount:</b> \$8,874.36  <b>Component Description:</b> INCLUDES ONE FIELD ENGINEER ON-SITE <b>Amount:</b> \$6,400.00

<b>Cost Information</b>	<b>Grand Total</b>		
		<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>
			<b>Actual Cost</b>
	<b>Total for all systems</b>	\$1,942,959.43	\$1,923,225.84
			\$1,258,673.09

<b>Reimbursement Status</b>	<b>Question</b>	<b>Response</b>
	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"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> </ol>	



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><b>Robert Folliard , III</b>  .  <i>Assistant Secretary</i></p> <p>12/28/2020</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"> <li>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.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

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><b>Robert Folliard , III</b> . <i>Assistant Secretary</i></p> <p>12/28/2020</p>

## Attachments