



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **35908** | Service: **DTV** | Call **WVLT-TV** | Channel: **34 (UHF)**
ID: | Sign:
File **0000028735**
Number:
FRN: **0018223693** | Date **03/24**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
GRAY TELEVISION LICENSEE, LLC	WVLT	+1 (865)	robert.	Limited
	6450 PAPERMILL DRIVE KNOXVILLE, TN 37919 United States	450-8888	folliard@gray. tv	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@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	The station will continue to use the existing broadband antenna and transmission line and replacing the existing transmitter with a new transmitter. Interim facilities are not needed.

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	Sigma DD, 3200P2CFUPG
	Year	2002
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 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	ULXTE90
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	56.4 kW
	Justification for New Transmitter	Transmitter cannot be retuned and must be replaced.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	300 kVA
	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?	Yes
	Type	Heating and Cooling
	Size	20 tons
	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

Name	Description
Freight	Freight to the station location
Installation and Proof	Installation of the new Transmitter

Mask Filter	Mask filter required for the new transmitter model
RF Accessories	Accessories required for new transmitter installation

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

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

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

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	No
	Quantity	N/A
	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	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	No

Number of Days	N/A
Justification	N/A

**Outside
Professional
Services
Costs**

Other Professional Services Expenses Not Listed

Name	Description
Sweep Test of Existing Antenna	WVLT's share of sweep test costs during transition as part of ATC Capital Contribution. See ATC document 460204845
Sweep Test of New Primary Antenna	WVLT's share of sweep test costs post-transition as part of ATC Capital Contribution. See ATC document 460204845
Attorney Fees - Other Matters	Legal Service

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
Combiner	Anticipated 1/3 expense on new combiner TBD by American Tower
Security	On site security during equipment storage period
Tower Analysis	Tower Analysis required by American Tower

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 ULXTE90	\$2,210,433.56	\$1,647,254.79		\$1,643,119.22	
Installation and Proof	<i>\$92,314.35</i>	\$92,314.35	Please see attached Gatesair invoice JW30004400-1	\$92,314.35	N/A
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,343,566.34	Please see Estimated Cost Justification WVLT-110-New 1st Primary Transmitter v1	\$1,343,061.34	invoices
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$2,943.91	GatesAir Quote Q-75837	\$2,943.90	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>\$40,653.37</i>	\$40,653.37	see Estimated Cost Justification WVLT-110-Electrical Service New 1st Primary Transmitter v0	\$37,022.82	N/A
20 Ton system	\$115,500.00	\$30,610.98	Please see Estimated Cost Justification WVLT-110-HVAC New 1st Primary Transmitter v2	\$30,610.98	N/A
Freight	<i>\$15,541.46</i>	\$15,541.46	Please see Estimated Cost Justification WVLT-110-Freight v0	\$15,541.46	z
Mask Filter	<i>\$80,680.12</i>	\$80,680.12	Please see Estimated Cost Justification WVLT-110-Mask Filter System v0	\$80,680.11	N/A

RF Accessories	\$40,944.26	\$40,944.26	Please see Estimated Cost Justification WVLT-110-RF Accessories v0	\$40,944.26	N/A
Sub-total	\$2,210,433.56	\$1,647,254.79	N/A	\$1,643,119.22	N/A
Total for all systems	\$2,695,973.19	\$2,119,764.12	N/A	\$1,829,596.21	N/A

Components

Actual Information		
Description	File Name	
Installation and Proof	Component Description:	Installation & Proof
	Amount:	\$64,620.04
	Component Description:	WVLT-110-Installation & Proof
	Amount:	\$27,694.31

UHF - Liquid Cooled Solid
State Transmitter 52 - 61
kW

Component Description: R40624 Elbow 6-
50
Amount: \$1,715.26

Component Description: RTLSCR650-5 T/L
a Lenght up to 5'
Amount: \$3,440.19

Component Description: REMOVAL OF
TRANSMITTER
Amount: \$3,240.00

Component Description: Transmitter
Amount: \$387,918.94

Component Description: ULXTE90
Transmitter
Amount: \$89,572.41

Component Description: Transmitter
Amount: \$857,174.54

Transformer 3 phase/480v
- 300 KVA

Component Description: WVLT-110-New 1st
Primary
Transmitter -
Transformer
Amount: \$2,877.69

Component Description: WVLT-110-New 1st
Primary
Transmitter -
Transformer
Amount: \$66.21

<p>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.</p>	<p>Component Description: Labor Amount: \$28,551.55</p>
	<p>Component Description: Electrical Service Amount: \$8,471.27</p>
<p>20 Ton system</p>	<p>Component Description: Steel Logtite Amount: \$79.13</p>
	<p>Component Description: Core drill (8) 2 1/2" dia holes x 12" filled block wall Amount: \$410.00</p>
	<p>Component Description: 20 Ton Installation for Sharps Ridge Site Amount: \$22,123.00</p>
	<p>Component Description: Water Amount: \$119.85</p>
	<p>Component Description: 20 Ton Installation for Sharps Ridge Site Amount: \$7,374.00</p>
	<p>Component Description: Core drill (9) 2 1/2" diameter holes x 8" filled block wall Amount: \$505.00</p>

Freight	<p>Component Description: WVLT-110-Freight Amount: \$6,091.46</p> <p>Component Description: Freight Amount: \$9,450.00</p>
Mask Filter	<p>Component Description: WVLT-110-Mask Filter System Amount: \$27,813.62</p> <p>Component Description: Mask Filter Amount: \$52,398.48</p> <p>Component Description: WVLT-110-Mask Filter System Amount: \$468.01</p>
RF Accessories	<p>Component Description: RF Accessories Amount: \$26,591.64</p> <p>Component Description: WVLT-110-RF Accessories Amount: \$14,115.11</p> <p>Component Description: WVLT-110-RF Accessories Amount: \$237.51</p>

Cost Information **Antennas**
Information not provided.

Cost Information **Transmission Line**
Information not provided.

Cost Information **Tower Equipment and Rigging Costs**
Information not provided.

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	\$261,670.00	\$257,317.20		\$102,805.02	
Attorney Fees - Other Matters	<i>\$740.00</i>	\$740.00	WVLT-TV Justification New Category Attorney Other Matters	\$740.00	N/A
Sweep Test of New Primary Antenna	<i>\$5,000.00</i>	\$5,000.00	See ATC document 460204845 - WVLT's share of sweep test costs post transition as part of ATC Capital Contribution.	\$5,000.00	N/A

Sweep Test of Existing Antenna	<i>\$2,500.00</i>	\$2,500.00	See ATC document 460204845 - WVLT's share of sweep test costs during transition as part of ATC Capital Contribution.	\$2,500.00	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$87,400.00	Allen Dick antenna system has no documentation, will require coverage verification for new channel.	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,458.13	State and local taxes included	\$305.00	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$730.82	Estimated Cost Justification WVLT-590- Prepare Request for Special Temporary Authorization v0	\$730.82	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,638.75	State and local taxes included	\$250.00	N/A
Project management of the transition	\$142,200.00	\$135,000.00	900 hours at \$150 per hour	\$83,660.70	N/A

Prepare and or review reimbursement form	\$2,630.00	\$2,731.25	State and Local Taxes included	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,731.25	State and local taxes included	\$1,332.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,647.00	State and local taxes included	\$5,662.50	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,277.50	State and local taxes included	\$1,687.50	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,462.50	State and local taxes included	\$936.50	N/A
Sub-total	\$261,670.00	\$257,317.20	N/A	\$102,805.02	N/A
Total for all systems	\$2,695,973.19	\$2,119,764.12	N/A	\$1,829,596.21	N/A

Components

Actual Information	
Description	File Name

Attorney Fees - Other Matters	Component Description: Amount:	Total Professional Services \$740.00
Sweep Test of New Primary Antenna	Component Description: Amount:	Sweep Test of New Primary Antenna \$5,000.00
Sweep Test of Existing Antenna	Component Description: Amount:	Sweep Test of Existing Antenna \$2,500.00
Comprehensive coverage verification via field study, if needed	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	WVLT-550- Attorney License to Cover \$305.00
Prepare request for Special Temporary Authorization	Component Description: Amount:	Develop technical parameters for operation at reduced power on pre-auction ch-30. \$625.00
	Component Description: Amount:	Total Professional Services \$105.82
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	WVLT-530-RF Eng License to Cover \$250.00

Project management of the transition

Component Description: Project Management
Amount: \$2,373.80

Component Description: Project Management
Amount: \$6,260.75

Component Description: Project Management
Amount: \$4,032.15

Component Description: Project Management
Amount: \$2,034.20

Component Description: Project Management
Amount: \$2,216.05

Component Description: Project Management
Amount: \$3,422.00

Component Description: Project Management
Amount: \$3,280.65

Component Description: Project Management
Amount: \$2,858.75

Component Description: Project Management
Amount: \$2,777.30

Component Description: Project Mgt
Amount: \$28.20

Component Description: Project
Management
Amount: \$2,071.40

Component Description: Project Mgt
Amount: \$951.45

Component Description: Project
Management
Amount: \$2,273.85

Component Description: Project
Management
Amount: \$1,656.85

Component Description: Project
Management
Amount: \$1,835.40

Component Description: Project
Management
Amount: \$1,984.45

Component Description: Project
Management
Amount: \$2,158.20

Component Description: Project
Management
Amount: \$1,818.75

Component Description: Project Mgt
Amount: \$2,927.30

Component Description: Project Mgt
Amount: \$755.80

Component Description: Project
Management
Amount: \$1,642.75

Component Description: Project
Management
Amount: \$2,664.70

Component Description: Project
Management
Amount: \$2,881.20

Component Description: Project
Management
Amount: \$1,941.85

Component Description: Project
management
Amount: \$1,328.55

Component Description: Project
Management
Amount: \$2,694.40

Component Description: Transition Related
Project
Management Costs
Amount: \$2,100.00

Component Description: Project Management
Amount: \$1,927.35

Component Description: Project Management
Amount: \$3,883.15

Component Description: Project Mgt
Amount: \$802.25

Component Description: Project Management
Amount: \$2,034.35

Component Description: Project management
Amount: \$2,442.65

Component Description: Project Management
Amount: \$2,397.10

Component Description: Project management
Amount: \$2,231.90

Component Description: Project Mgt
Amount: \$2,656.30

Component Description: Project Management
Amount: \$2,314.90

Prepare and or review reimbursement form

Information not provided.

<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<p>Component Description: Review linked set for WVLT; work on coordination with linked group for transition logistics.</p> <p>Amount: \$1,332.00</p>
<p>Perform engineering study for new channel assignment and antenna development</p>	<p>Component Description: Regarding Operation of repack Ch-34</p> <p>Amount: \$125.00</p> <p>Component Description: Perform engineering study for new channel assignment</p> <p>Amount: \$537.50</p> <p>Component Description: RF Eng Study</p> <p>Amount: \$5,000.00</p>
<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<p>Component Description: CP application</p> <p>Amount: \$1,562.50</p> <p>Component Description: support response to review of reimbursement form 399</p> <p>Amount: \$125.00</p>

Attorney Fees - Prepare
and File FCC Form 2100
(main), Construction Permit
Application

Component Description:

WVLT-550-
Attorney CP

Amount:

\$740.00

Component Description:

Work on and file
WVLT initial repack
CP

Amount:

\$196.50

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	\$223,869.63	\$215,192.13		\$83,671.97	
Tower Analysis	<i>\$7,500.00</i>	\$7,500.00	See vendor invoice	N/A	N/A
Security	<i>\$12,000.00</i>	\$12,000.00	N/A	N/A	N/A
Combiner	<i>\$109,814.63</i>	\$109,814.63	See American Tower attachment	\$71,200.00	N/A
MVPD Notification of Channel Change	<i>\$2,000.00</i>	\$2,000.00	Justifying Quote - Wiley Rein MVPD quote - all gray stations	\$2,000.00	N/A
Develop and air announcement of upcoming channel change	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
Equipment Storage	<i>\$12,000.00</i>	\$12,000.00	N/A	\$792.65	N/A
Equipment Delivery and Handling Charges	<i>\$18,138.00</i>	\$18,138.00	N/A	\$1,554.82	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$40,337.00</i>	\$40,337.00	See attached Funderburk Electrical Services, Inc. quote for transformer removal and disposal, cost \$4,912. See attached quote from Kevin Duplantis for transmitter removal and disposal, cost per quote, \$35,425.	\$4,912.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$335.00	Please see Estimated Cost Justification WVLT-610-License to Cover FCC Filing Fees v0	\$335.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$2,877.50	N/A	\$2,877.50	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Sub-total	\$223,869.63	\$215,192.13	N/A	\$83,671.97	N/A
Total for all systems	\$2,695,973.19	\$2,119,764.12	N/A	\$1,829,596.21	N/A

Components

Actual Information Description	File Name
Tower Analysis	Information not provided.
Security	Information not provided.
Combiner	<p>Component Description: Capital Contribution-Knoxville TN</p> <p>Amount: \$71,200.00</p>
MVPD Notification of Channel Change	<p>Component Description: Total Professional Services</p> <p>Amount: \$2,000.00</p>
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	<p>Component Description: 25'X10' PREMIUM DOOR CONTAINER DX25SZJ1092</p> <p>Amount: \$792.65</p>
Equipment Delivery and Handling Charges	<p>Component Description: Forklift variable reach 7000# 38-44'</p> <p>Amount: \$1,554.82</p>
Disposal Costs (for equipment and other waste, net of any salvage value)	<p>Component Description: FURNISH LABOR AND MATERIAL</p> <p>Amount: \$4,912.00</p>

<p>FCC Filing Fees - Form 2100 license to cover application</p>	<p>Component Description: WVLT-610- License to Cover Amount: FCC Filing Fees \$335.00</p>
<p>DTV Medical Facility Notification</p>	<p>Component Description: Medical Notification Amount: \$2,877.50</p>
<p>FCC Filing Fees - Special Temporary Authorization request</p>	<p>Information not provided.</p>

Cost Information **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,695,973.19	\$2,119,764.12	\$1,829,596.21

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

Attachments