

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID:	35908	Service: DTV	Call Sign:	WVLT-TV	Channel: 34 (UHF)
File Number:	000002	8735			
FRN: 00	18223693	Date Submitted:	11/07 /2019		

Applicant Name, Type, and Contact Information Applicant Information Applicant Address Phone Email **Applicant Type GRAY TELEVISION** WVLT Limited +1(865)robert. LICENSEE, LLC 6450 450-8888 folliard@gray. Liability PAPERMILL Company tv DRIVE KNOXVILLE, TN 37919 **United States**

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer	Preparer Contac	t Name and Inform	rmation		
Contact Information	Applicant	Address	Phone	Email	
	Samuel Hariton Widelity	Samuel Hariton 4031 University Dr Suite 100 Fairfax, VA 22030 United States	+1 (339) 222-8107	sam.hariton@widelity.com	

Broadcaster 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	Existing Transmitter Information			
Transmitter	Section	Question	Response	
	Existing Transmitter	Type of change	Purchase New	
	Description	Use	Primary (Main)	
		Description of Use	N/A	
		Ownership Owned		
		Owner	N/A	
		Site	N/A	
		Is this transmitter currently shared with N another station?	No	
		Is this transmitter currently in operating condition?	Yes	
	Existing Transmitter	Manufacturer		
	Manufacturer and Type	Model	Primary (Main) N/A Owned N/A N/A No	
		Year	2002	
		Туре		
		IOT Power Type	Two	
		Power Capacity	50 kW	

Existing Transmitter Information

Primary	New Transmitter Costs	Fransmitter Costs		
Transmitter	Section	Question	Response	
	New Transmitter Use	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	
		Model Transmitter Type Solid State Cooling	Transmitter cannot be retuned and must be replaced.	

Primary	Other Transmitter Costs			
Transmitter	Section	Question	Response	
	Electrical ServiceService Entrance (3 phases 800A 208V)Switchgear (industrial 800 amp)Transformer (480V)PowerRigid Conduit and WiringSizeLengthOther Electrical Service	Service Entrance (3 phases 800A 208V)	No	
		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
	Туре	Heating and Cooling
	Size	20 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
Improvement	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter	Other Transmitter Cost Not Listed		
	Name	Description	
	RF Accessories	Accessories required for new transmitter installation	
	Installation and Proof	Installation of the new Transmitter	

-	Mask Filter	Mask filter required for the new transmitter model
	Freight	Freight to the station location

Antennas	Section	Question	Response
	Antenna Related Expenses	Do you have antenna related expenses?	No

Transmission ^{Se}	ftien	Question	Response
	ransmission Line elated Expenses	Do you have transmission line related expenses?	No

Tower	Section	Question	Response
Equipment And Rigging Costs	Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	No

Outside	Section	Question	Response
Professional	Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	900
		Explanation	Strategic Support
Outside RF consulting Engineering Services		Perform engineering study for new channel assignment and antenna development	Yes
		Prepare engineering section of Form FCC Construction Permit Application	Yes
		For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare engineering section of Form FCC License to Cover Application	Yes
		For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare request for Special Temporary Authority	Yes

	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	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	Other Professional Services Expenses Not Listed			
	Services Costs	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		
	Attorney Fees - Other Matters	Legal Service		

Other	Section	Question	Response
Expenses	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 Not Listed

Other

Expenses	News	Description	
	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	

Transmitters

Cost Information

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

Description Primary Transmitter ULXTE90	Predetermined Cost Estimate \$2,181,882.01	Estimated Cost \$1,608,887.79	Estimated Cost Justification	Actual Cost \$1,605,257.22	Actual Cost Justificatior
Freight	\$15,541.46	\$15,541.46	Please see Estimated Cost Justification WVLT-110- Freight v0	\$15,541.46	Z
Mask Filter	\$80,680.12	\$80,680.12	Please see Estimated Cost Justification WVLT-110- Mask Filter System v0	\$80,680.11	N/A
Installation and Proof	\$92,314.35	\$92,314.35	Please see attached Gatesair invoice JW30004400- 1	\$92,314.35	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

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.	\$12,101.82	\$12,101.82	Please see attached Gatesair invoice JW30004400- 1	\$8,471.27	N/A
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,334,665.89	Please see Estimated Cost Justification WVLT-110- New 1st Primary Transmitter v0	\$1,334,665.89	invoices
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$2,943.91	GatesAir Quote Q- 75837	\$2,943.90	N/A
20 Ton system	\$115,500.00	\$29,695.98	Please see Estimated Cost Justification WVLT-110- HVAC New 1st Primary Transmitter v1	\$29,695.98	N/A
Sub-total	\$2,181,882.01	\$1,608,887.79	N/A	\$1,605,257.22	N/A
Total for all systems	\$2,667,421.64	\$2,081,281.30	N/A	\$1,762,812.27	N/A

Components

Actual Information Description	File Name	
Freight	Component Description: Amount:	WVLT-110-Freight \$6,091.46
	Component Description: Amount:	Freight \$9,450.00
Mask Filter		
	Component Description:	WVLT-110-Mask
		Filter System
	Amount:	\$468.01
	Component Description:	WVLT-110-Mask
		Filter System
	Amount:	\$27,813.62
	Component Description:	Mask Filter
	Amount:	\$52,398.48
Installation and Proof		
	Component Description:	WVLT-110-
		Installation &
	A maximt.	Proof
	Amount:	\$27,694.31
	Component Description:	Installation & Proof
	Amount:	\$64,620.04

RF Accessories	Component Description: Amount:	WVLT-110-RF Accessories \$237.51
	Component Description: Amount:	WVLT-110-RF Accessories \$14,115.11
	Component Description: Amount:	RF Accessories \$26,591.64
Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	Component Description: Amount:	Electrical Service \$8,471.27
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	Component Description: Amount:	Transmitter \$387,918.94
	Component Description: Amount:	ULXTE90 Transmitter \$89,572.41
	Component Description: Amount:	Transmitter \$857,174.54

Transformer 3 phase/480v - 300 KVA	Component Description:	WVLT-110-New 1st Primary Transmitter - Transformer		
	Amount:	\$66.21		
	Component Description:	WVLT-110-New 1st Primary Transmitter - Transformer		
	Amount:	\$2,877.69		
20 Ton system				
	Component Description: Amount:	Water \$119.85		
	Component Description:	20 Ton Installation for Sharps Ridge Site		
	Amount:	\$7,374.00		
	Component Description: Amount:	Steel Logtite \$79.13		
	Component Description:	20 Ton Installation for Sharps Ridge Site		
	Amount:	\$22,123.00		

Cost Antennas

Information Information not provided.

Cost Transmission Line

Information Information not provided.

Cost Tower Equipment and Rigging Costs

Information Information not provided.

Outside Professional Services

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co Justificat
Outside Professional Services	\$261,670.00	\$257,211.38		\$80,684.90	
Attorney Fees - Other Matters	\$740.00	\$740.00	WVLT-TV Justification New Category Attorney Other Matters	N/A	N/A
Sweep Test of New Primary Antenna	\$5,000.00	\$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

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	N/A	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	\$196.50	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$625.00	N/A	\$625.00	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	N/A	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

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,647.00	State and local taxes included	\$5,537.50	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
Project management of the transition	\$142,200.00	\$135,000.00	900 hours at \$150 per hour	\$63,806.40	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,731.25	State and Local Taxes included	N/A	N/A
Sweep Test of Existing Antenna	\$2,500.00	\$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
Sub-total	\$261,670.00	\$257,211.38	N/A	\$80,684.90	N/A
Total for all systems	\$2,667,421.64	\$2,081,281.30	N/A	\$1,762,812.27	N/A

Components

Actual Information Description	File Name
Attorney Fees - Other Matters	Information not provided.

Primary Antenna	Component Description: Amount:	Sweep Test of Ne Primary Antenna \$5,000.00
Comprehensive coverage verification via field study, if needed	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	Work on and file WVLT initial repac CP
	Amount:	\$196.50
Prepare request for Special Temporary Authorization	Component Description: Amount:	Develop technical parameters for operation at reduced power on pre-auction ch-30. \$625.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	support response to review of reimbursement form 399
	Amount:	\$125.00
	Component Description: Amount:	CP application \$1,562.50

Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	RF Eng Study \$5,000.00
	Component Description:	Perform engineering study for new channel
	Amount:	assignment \$537.50
Address transition timing and coordination issues w/ other stations and wireless	Component Description:	Review linked set for WVLT; work on coordination with linked group for
	Amount:	transition logistics. \$1,332.00
Project management of the		
transition	Component Description:	Project Management
	Amount:	\$1,835.40
	Component Description:	Project management
	Amount:	\$1,328.55
	Component Description:	Project
	Amount:	Management \$2,397.10
	Component Description:	Project
	Amount:	Management \$2,694.40
	Component Description:	Project
	Amount:	Management \$2,373.80

Component Description: Amount:	Project Management \$1,984.45
Component Description: Amount:	Project Management \$2,664.70
Component Description: Amount:	Project Management \$2,034.20
Component Description: Amount:	Project Management \$2,216.05
Component Description: Amount:	Project Management \$1,927.35
Component Description: Amount:	Project Management \$2,158.20
Component Description: Amount:	Project Management \$2,314.90
Component Description: Amount:	Project Management \$1,656.85
Component Description: Amount:	Project Mgt \$951.45

Component Description: Amount:	Transition Related Project Management Costs \$2,100.00
Component Description: Amount:	Project Management \$2,034.35
Component Description: Amount:	Project Mgt \$755.80
Component Description: Amount:	Project Management \$1,818.75
Component Description: Amount:	Project Mgt \$2,656.30
Component Description: Amount:	Project Management \$2,273.85
Component Description: Amount:	Project Management \$1,941.85
Component Description: Amount:	Project Management \$3,883.15
Component Description: Amount:	Project Mgt \$2,927.30

	Component Description: Amount:	Project Mgt \$802.25
	Component Description: Amount:	Project management \$2,231.90
	Component Description: Amount:	Project Management \$2,881.20
	Component Description: Amount:	Project Mgt \$28.20
	Component Description: Amount:	Project Management \$2,777.30
	Component Description: Amount:	Project management \$2,442.65
	Component Description: Amount:	Project Management \$2,071.40
	Component Description: Amount:	Project Management \$1,642.75
Prepare and or review reimbursement form	Information not provided.	

Sweep Test of Existing Antenna	Component Description:	Sweep Test of
		Existing Antenna
	Amount:	\$2,500.00

Other Expenses

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$223,869.63	\$215,182.13		\$76,870.15	
Tower Analysis	\$7,500.00	\$7,500.00	See vendor invoice	N/A	N/A
Security	\$12,000.00	\$12,000.00	N/A	N/A	N/A
Combiner	\$109,814.63	\$109,814.63	See American Tower attachment	\$71,200.00	N/A
MVPD Notification of Channel Change	\$2,000.00	\$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	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Equipment Storage	\$12,000.00	\$12,000.00	N/A	\$792.65	N/A

Total for all	\$2,667,421.64	\$2,081,281.30	N/A	\$1,762,812.27	N/A
systems					

Components

Actual Information Description	File Name	
Tower Analysis	Information not provided.	
Security	Information not provided.	
Combiner	Component Description: Amount:	Capital Contribution- Knoxville TN \$71,200.00
MVPD Notification of Channel Change	Component Description: Amount:	Total Professional Services \$2,000.00
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage	Component Description: Amount:	25'X10' PREMIUM DOOR CONTAINER DX25SZJ1092 \$792.65
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
DTV Medical Facility Notification	Component Description: Amount:	Medical Notification \$2,877.50

FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
Equipment Delivery and Handling Charges	Information not provided.

Cost Information	Grand Total				
		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$2,667,421.64	\$2,081,281.30	\$1,762,812.27	

Reimbursem	entestiatus	Response
	The facility has ceased operating on its pre- auction channel.	No
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
		 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. 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).
- 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.

er is wi ru ar re wi a ob	ne above-named ntity certifies that it in full compliance th all statutes, les, regulations and governmental quirements for nich compliance is pre-requisite for otaining the ayments herein quested.	
an autho	, under penalty of perjury, that I am rized representative of the above- pplicant for the Authorization(s) above.	Robert Folliard , III Assistant Secretary 11/07/2019

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		 The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 	
		2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.	
		3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

- 4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
- 5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster **Relocation Fund are** necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

8.	The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.	
9.	The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
an aut nameo	are, under penalty of perjury, that I am horized representative of the above- d applicant for the Authorization(s) ied above.	Robert Folliard , III Assistant Secretary 11/07/2019

Attachments

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