

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: File Number:	167359 000008	Service: LPT	Call Sign:	W51EG-D	Channel: 34 (UHF)
FRN: 00	02017572	Eligibility Status:	Eligible	Date Submitted:	09/17 /2021

Applicant Name, Type, and Contact Information

Information

Applicant	Address	Phone	Email	Applicant Type
WEST VIRGINIA EDUCATIONAL BROADCASTING AUTHORITY Applicant Doing Business As: WEST VIRGINIA EDUCATIONAL BROADCASTING AUTHORITY	Scott Finn 600 CAPITOL STREET CHARLESTON, WV 25301 United States	+1 (304) 556- 4903	sfinn@wvpublic. org	Other

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Name and Information

Contact Information	Applicant	Address	Phone	Email
	Robert Gehman	Robert Gehman	+1 (352)	bob@kesslerandgehman.
	ConsultingEngineer	507 NW 60	332-3157	com
	Kessler and Gehman	Street		
	Associates, Inc.	Suite D		
		Gainesville, FL		
		32607		
		United States		

Broadcaster	Question	Response
Information and Transition Plan	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	Replace transmitter, mask filter, antenna, transmission line, including rigging for installation as well as mapping for structural analysis.

Transmitters Section		Question	Response
	Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

Primary	Existing Transmitter Information					
Transmitter	Section	Question	Response			
	Existing Transmitter Description	Type of change	Purchase New			
		Use	Primary (Main)			
		Ownership	Owned			
		Is this transmitter currently shared with another station?	No			
		Is this transmitter currently in operating condition?	Yes			
	Existing Transmitter	Manufacturer				
	Manufacturer and Type	Model	NV8306 EI /VI			
		Year	2009			
		Туре	Solid State			
		Solid State Cooling	Air Cooled			
		Solid State Power Capacity	2.5 kW			

Existing Transmitter Information

Primary	New Transmitter Costs					
Transmitter	Section	Question	Response			
	New Transmitter	Use	Primary (Main)			
		Change Type	Purchase New			
		Is this a request for upgraded equipment?	No			
		Manufacturer				
		Model	UAXTE-4			
		Transmitter Type	Solid State			
		Solid State Cooling	Air Cooled			
		Solid State Power capacity	2.4 kW			
		Justification for New Transmitter	To accommodate change in channels from 51 to 23			

Primary Other Transmitter Costs Transmitter Section

Section	Question	Response
Other Transmitter Costs	Does the transmitter installation require a Transmitter Building Site Survey /Installation?	No
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	No
	Rigid Conduit and Wiring	No
	Other Electrical Service	No
HVAC Service	Does the replacement transmitter require HVAC Service?	No
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No

Primary Other Transmitter Cost Not Listed

Transmitter Information not provided.

Antennas Section		Question	Response
Antenna Rela	ated Expenses	Do you have antenna related expenses?	Yes

Primary	Existing Antenna Information					
Antenna	Section	Question	Response			
	Existing Antenna Description	Type of change	Purchase New			
		Antenna Use	Primary (Main)			
		Ownership	Owned			
		Is the existing antenna shared with another station or stations?	No			
		Is the existing antenna directional?	Yes			
		Is antenna in operating condition?	Yes			
		Is antenna located on or in close proximity to an antenna farm?	No			
	Existing Antenna	Mounting	Side Mount			
	Manufacturer and Type	Antenna position in stack	Not in Stack			
		Polarization	Horizontal			
		Туре	Slotted Coaxial			
		ERP: (Effective Radiated Power)	15.0 kW			
		Manufacturer				
		Model	RD08A			
		Year	2008			

Existing Antenna Information

Primary	New Antenna Costs					
Antenna	Section	Question	Response			
	New Antenna	Use	Primary (Main)			
	Description	Change Type	Purchase New			
		Ownership	Owned			
		Is antenna shared?	No			
		Is antenna directional?	No			
		Will antenna be located on or in close proximity to an antenna farm?	No			
	New Antenna	Mounting	Side Mount			
	Manufacturer and Types	Antenna position in stack	Not in Stack			
		Polarization	Horizontal			
		Туре	Slotted Coaxial			
		ERP: (Effective Radiated Power)	15.0 kW			
		Manufacturer				
		Model	TLP-8A			
		Year	2019			
		Justification for New Antenna	To accommodate change in channels from 51 to 34			

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes

Other Antenna Costs

Primary Antenna

Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Primary
AntennaOther Antenna Cost Not ListedInformation not provided.

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Existing Transmission Line Transmission Line

n Line Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Ownership	Owned
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission	Manufacturer	
Line Manufacturer and Type	Туре	Flexible Ai
	Diameter	1 5/8 inches
	Number of parallel runs	1
	Length	250 feet per run

Primary	New Transmission Line		
Transmissio	n Line Section	Question	Response
	New Transmission Line	Use	Primary (Main)
	Costs	Change Type	Purchase New
		Is this a request for upgraded equipment?	No
		Туре	Flexible Air
		Diameter	1 5/8 inches
		Number of parallel runs	1
		Length	250 feet per run
		Justification for New Transmission Line	To accommodate change in channels from 51 to 34
	Interior RF Systems	Does the Installation of the Transmission Line require an additional or replacement Inside RF system including switching, patch panels, and dehydrators?	Yes

Other Transmission Line Expenses Not Listed Primary

Transmission to metion not provided.

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

Existing Tower Primary

•	•	•••		iu	ני
Т	C)\	N	er	•

Section	Question	Response
Existing Tower	Type of change	Construct New
Description	Tower Use	Primary (Main)
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	Is tower documented for structural analysis?	Unknown
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure	Do you have a tower registration number?	Yes
Registration	ASR Number	1035125
Coordinates (NAD83	Latitude (NAD83)	39° 12' 44.1" N-
(North American Datum of 1983))	Longitude (NAD83)	081° 35' 29.7" W
	Overall Structure Height	214.89 feet
	Support Structure Height	200.13 feet
	Ground Elevation Above Mean Sea Level (AMSL)	917.97 feet
	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
	Tower Owner	WEST VIRGINIA EDUCATIONAL BROADCASTIN AUTHORITY

Date Constructed	12/01/2010

Primary Tower	Tower Construction Co	sts		
	Section	Question	Response	
	Construct New Tower	Use	Primary (Main)	
		Is this a request for upgraded equipment?	No	
		Height	300.00 feet	
		Justification for New Tower	To accommodate change in channels from 51 to 34	

Primary Tower Rigging Costs

Tower

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

Primary Other Tower Expenses Not Listed

Tower Information not provided.

Outside	Section	Question	Response
Professional	Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	12
·		Explanation	Review progress, prepare and submit Form 387 quarterly, as well as three special FCC required reports
	Outside RF consulting Engineering Services		Yes
			Yes
			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
		Prepare Form 601	No
	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	Yes
	Quantity	1
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Form 399 assistance or other program management costs	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Additional Field Engineering Service	No

Other Professional Services Expenses Not Listed Professional Services Costs

onal	Services Costs	Description
	ASR	ASR Modification
	FAA	FAA 7460-1 to notify of height or location change and/or frequency and power change.
	Other Engineering Services	Engineering services not otherwise included in the Form 399 services
	Other Legal Services	Other Legal Services

Other	Section	Question	Response
Expenses	AM Pattern Disturbance	Is an Impact Study needed?	No
		Is Remediation needed?	No
	Permit and Filing Costs	FCC Construction Permit Major Change	No
		FCC Construction Permit Minor Change	No
		FCC License to Cover Application	No
		FCC Special Temporary Authority Application	No
	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?	No
	Point to Point Microwave (STL/ICR)	Frequency Coordination for Unidirection System	No
		Frequency Coordination for Bi-Direction System	No
		New Point to Point Microwave System	No

Other Expenses Not Listed

Expenses Information not provided.

Transmitters

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
Primary Transmitter UAXTE-4	\$122,200.00	\$122,200.00		\$0.00	
Switchgear - industrial 800 amp	\$38,200.00	\$38,200.00	N/A	N/A	N/A
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$84,000.00	\$84,000.00	N/A	N/A	N/A
Sub-total	\$122,200.00	\$122,200.00	N/A	\$0.00	N/A
Total for all systems	\$836,349.36	\$348,199.36	N/A	\$9,730.86	N/A

Components

Antennas

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
Primary Antenna TLP- 8A	\$70,355.00	\$70,355.00		\$0.00	
Side Mount antenna brackets	\$4,625.00	\$4,625.00	N/A	N/A	N/A
Sweep test of transmission line and antenna	\$5,730.00	\$5,730.00	N/A	N/A	N/A
Pattern scatter analysis for side mount (if not included in antenna base cost)	\$10,000.00	\$10,000.00	N/A	N/A	N/A
UHF-Low Power, Side Mount, Slotted Coaxial, 15.0 kW input, Horizontal	\$50,000.00	\$50,000.00	N/A	N/A	N/A
Sub-total	\$70,355.00	\$70,355.00	N/A	\$0.00	N/A
Total for all systems	\$836,349.36	\$348,199.36	N/A	\$9,730.86	N/A

Components

Transmission Line

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
Primary Transmission Line	\$18,250.00	\$18,250.00		\$0.00	
Flexible Air Transmission Line - dielectric, 1 5 /8"	\$8,250.00	\$8,250.00	N/A	N/A	N/A
Interior RF Systems: Inside RF system including switching, patch panels and dehydrators	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Sub-total	\$18,250.00	\$18,250.00	N/A	\$0.00	N/A
Total for all systems	\$836,349.36	\$348,199.36	N/A	\$9,730.86	N/A

Components

Tower Equipment and Rigging Costs

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
Primary Tower GTOWER	\$0.00	\$0.00		\$0.00	
Primary Tower	\$566,190.00	\$77,190.00		\$0.00	
Tower Rigging Short Tower (less than 500')	\$56,190.00	\$56,190.00	N/A	N/A	N/A
New tower shorter than 500'	\$510,000.00	\$21,000.00	Move to existing tower ASR 1282649. Cost is for Mapping and Structural Analysis, although no modifications are anticipated.	N/A	N/A
Sub-total	\$566,190.00	\$77,190.00	N/A	\$0.00	N/A
Total for all systems	\$836,349.36	\$348,199.36	N/A	\$9,730.86	N/A

Components

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 Outside Professional Services	Predetermined Cost Estimate \$39,354.36	Estimated Cost \$40,204.36	Estimated Cost Justification	Actual Cost \$9,730.86	Actual Cost Justification
Other Legal Services	\$2,205.86	\$2,205.86	N/A	\$2,205.86	The costs are the same.
Other Engineering Services	\$10,000.00	\$10,000.00	Engineering services not otherwise included in the Form 399 services	\$3,500.00	N/A
FAA	\$550 <i>.00</i>	\$550.00	FAA 7460-1 to notify of height or location change and /or frequency and power change.	N/A	N/A
ASR	\$550.00	\$550.00	ASR Modification	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$2,235.00	\$2,235.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$1,577.50	\$1,577.50	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$3,025.00	\$3,025.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,052.50	\$1,052.50	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$2,102.50	\$2,102.50	N/A	N/A	N/A
Perform engineering study for displacement application	\$1,800.00	\$1,800.00	N/A	N/A	N/A
Form 399 assistance or other Program Management costs	\$10,000.00	\$10,000.00	N/A	\$1,465.00	N/A
Prepare request for Special Temporary Authorization	\$1,280.00	\$1,280.00	N/A	N/A	N/A

Prepare/ Review 399 reimbursement form	\$1,710.00	\$2,560.00	See attached invoice	\$2,560.00	N/A
Project management of the transition	\$1,266.00	\$1,266.00	N/A	N/A	N/A
Sub-total	\$39,354.36	\$40,204.36	N/A	\$9,730.86	N/A
Total for all systems	\$836,349.36	\$348,199.36	N/A	\$9,730.86	N/A

Components

Actual Information Description	File Name	
Other Legal Services		
	Component Description:	Akin Gump 1825636 v210917pmv1
	Amount:	\$253.50
	Component Description:	Akin Gump
		1871871 v210916pmv1
	Amount:	\$1,275.70
	Component Description:	Akin Gump
		1851312 v210916pmv1
	Amount:	\$536.66
	Component Description:	Akin Gump
		1884714
	Amount:	v210916pmv1 \$140.00

Other Engineering Services	Component Description: Amount:	KGA 575-360 v210827pmv′ \$1,950.00
	Component Description: Amount:	KGA 575-360 v210827pmv \$1,550.00
FAA	Information not provided.	
ASR	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	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	Information not provided.	
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	Information not provided.	
Perform engineering study for displacement application	Information not provided.	

Form 399 assistance or other Program		
Management costs	Component Description:	KGA 575-407
	A	v200814pmv1
	Amount:	\$1,250.00
	Component Description:	KGA 575-437
		v210813jgv1
	Amount:	\$215.00
		φ <u>2</u> 10.00
Prepare request for Special	Information not provided.	
Temporary Authorization		
Prepare/ Review 399		
reimbursement form	Component Description:	KGA 575-408
		v200814pmv1l
	Amount:	\$2,560.00
Project management of the	Information not provided.	
transition		

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	\$20,000.00	\$20,000.00		\$0.00	
Equipment Delivery and Handling Charges	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Sub-total	\$20,000.00	\$20,000.00	N/A	\$0.00	N/A
Total for all systems	\$836,349.36	\$348,199.36	N/A	\$9,730.86	N/A

Components

Cost	Grand Total			
Information		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$836,349.36	\$348,199.36	\$9,730.86

Reimbursem	envestianus	Response
	The facility has ceased operating on its pre- auction channel.	Yes
	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. 	
		2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	
		3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.	

- 4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
- 7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
I declare, under penalty of perjury, that I am an authorized representative of the above- named applicant for the Authorization(s) specified above.	Jeffrey C Gehman Engineering Associate 09/17/2021

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).
- 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 a nan	cclare, under penalty of perjury, that I am authorized representative of the above- ned applicant for the Authorization(s) cified above.	Jeffrey C Gehman Engineering Associate
		09/17/2021

Attachments