

Federal Communications Commission

### (REFERENCE COPY - Not for submission)

### FCC Form 399: Reimbursement Request

	c0000	Comises DTV	Call		
Facility	69328	Service: DTV	Call	WLED-TV	Channel: 23 (UHF)
ID:			Sign:		
File	000002	27752			
Number:					
FRN: <b>00</b> 2	21895115	Date	04/24		
		Submitted:	/2019		

### Applicant Name, Type, and Contact Information

### Information

Applicant	Address	Phone	Email	Applicant Type
NEW HAMPSHIRE PUBLIC BROADCASTING Doing Business As: NEW HAMPSHIRE PUBLIC BROADCASTING	Dawn DeAngelis 268 MAST ROAD DURHAM, NH 03824 United States	+1 (603) 868- 4304	ddeangelis@nhpbs. org	Not-for- Profit

#### Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

### Preparer Preparer Contact Name and Information

Contact Information	Applicant	Address	Phone	Email
	<b>Ryan C Wilhour</b> ConsultingEngineer Kessler and Gehman Associates, Inc.	507 NW 60th ST STE D Gainesville, FL 32607 United States	+1 (352) 332-3157	ryan@kesslerandgehman. com

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 and antenna using existing transmission line. Acquire interim antenna and line for continued operation during line replacement and duration of the assigned phase. Map and analyze tower; design and implement modifications if required.

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

ransmitter	Section	Question	Response
	Existing Transmitter Description	Type of change	Purchase New
		Use	Auxiliary (Backup)
		Description of Use	Auxiliary
		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	
	Manufacturer and Type	Model	NV7250
		Year	2001
		Туре	Solid State
		Solid State Cooling	Liquid Cooled
		Solid State Power Capacity	4 kW

### Add Transmitter Information

Auxiliary	New Transmitter Costs		
Transmitter	Section	Question	Response
	New Transmitter	Use	Auxiliary (Backup)
		Change Type	Purchase New
		Is this a request for upgraded equipment?	No
		Manufacturer	
		Model	MPTV-PRLX- U3
		Transmitter Type	Solid State
		Solid State Cooling	Liquid Cooled
		Solid State Power capacity	5 kW
		Justification for New Transmitter	The manufacturer of the existing transmitter advises that the transmitter cannot be re- tuned to the assigned channel. See attachment.

Auxiliary	Other Transmitter Costs	
Transmitter	Section	
	Electrical Service	Serv

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

	Size	N/A
	Length	N/A
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold 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

### Auxiliary Other Transmitter Cost Not Listed

Transmitter Information not provided.

Primary	Existing Transmitter Information				
Transmitter	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			
	Manufacturer and Type	Model	AT7105K0		
		Year	2011		
		Туре	Solid State		
		Solid State Cooling	Air Cooled		
		Solid State Power Capacity	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?	Yes	
		Manufacturer		
		Model	MPTV-PRLX- U3	
		Transmitter Type	Solid State	
		Solid State Cooling	Liquid Cooled	
		Solid State Power capacity	5.2 kW	
		Justification for New Transmitter	The manufacturer of the existing transmitter advises that the transmitter cannot be re- tuned to the assigned channel. See attachment.	

Primary	Other Transmitter Costs			
Transmitter	Section	Question	Response	
	Electrical Service	Service Entrance (3 phases 800A 208V)	No	
		Switchgear (industrial 800 amp)	Yes	
		Transformer (480V)	Yes	
		Power	150 kVA	
		Rigid Conduit and Wiring	Yes	

	Size	3 inches
	Length	100.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold 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 Standby Exciter and Switch Standby Exciter with Automatic Change Over Switch Additional Interior RF System Interior RF System Existing Transmitter to Interim Transmission line

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)	
		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	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels	N/A	
		Design power capacity in use	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	108.0 kW	

Manufacturer	
Model	TFU- 28GTH-R O4 DC
Year	2001

Primary Antenna	Section	Question	Response
	New Antenna	Use	Primary (Main)
	Description	Description of Use	N/A
		Change Type	Purchase New
		Is this a request for upgraded equipment?	No
		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	Class	Full Power
	Manufacturer and Types	s Mounting	Top Mount
		Antenna position in stack	Not in Stack
		Polarization	Horizontal
		Туре	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)	77.3 kW
		Manufacturer	
		Model	TBD
		Year	2018

Justification for New Antenna

#### Other Antenna Costs

### Primary Antenna

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	4 1/16 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No

Sweep	Test
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### Primary Other Antenna Cost Not Listed

Antenna Information not provided.

Interim	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Interim	
		Description of Use	N/A	
		Change Type	Purchase New	
		Ownership	Owned	
		Owner	N/A	
		Is antenna shared?	No	
		Is antenna directional?	No	
		Will antenna be located on or in close proximity to an antenna farm?	No	
	New Antenna Manufacturer and Type	Class	Full Power	
		Mounting	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		Туре	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)	108.0 kW	
		Manufacturer		
		Model	TBD	
		Year	2018	

Justification for New Antenna	An interim
	antenna is
	necessary
	to keep
	station on
	the air
	during
	primary
	antenna
	replacemen
	and for the
	duration of
	the
	assigned
	phase.
	Station will
	attempt to
	rent if
	renting is available at
	time of
	acquisition.

#### С Interim

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Other Antenna Costs
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Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	4 1/16 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
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

## Interim Other Antenna Cost Not Listed

Antenna Information not provided.

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

### Existing Transmission Line Primary Existing Transmission

ssion	section	Question	Response
	Existing Transmission Line Description	Type of change	Utilize Existing
		Use	Primary (Main)
		Description of Use	N/A
		Ownership	Owned
		Owner	N/A
		Site	N/A
		Is the existing transmission line shared with another station or stations?	No
Existing Transmission Line Manufacturer and Type	Is Transmission Line in operating condition?	Yes	
	Manufacturer	ERI	
	Туре	Flexible Ai	
	Diameter	4 inches	
	Other Diameter	N/A	
	Segment Length	N/A	
	Other Segment Length	N/A	
	Number of parallel runs	1	
		Length	430 feet per run

### Primary Other Transmission Line Expenses Not Listed

Transmission Line	Description	
Sweep Tests	Sweep tests to demonstrate performance on assigned channel	

#### New Transmission Line

Interim Transmission

n Line Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Туре	Flexible Air
	Diameter	4 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	1
	Length	350 feet per run

Justification for New Transmission Line

Other Transmission Line Expenses Not Listed Transmission

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	Existing Tower			
Tower	Section	Question	Response	
	Existing Tower	Type of change	Modify Existing	
	Description	Tower Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		Is this tower consider Complex?	Terrain Constrained	
		Is this tower currently shared with any other stations?	Yes	
		One or more FM, AM or TV radio broadcaster(s)	Yes	
		Others Types of Users	Yes	
		Is tower documented for structural analysis?	No	
		Is tower compliant with Rev G?	Yes	
	Existing Tower Structure Registration	Do you have a tower registration number?	Yes	
		ASR Number	1034698	
	Coordinates (NAD83 (	Latitude (NAD83)	44° 21' 10.9" N-	
	North American Datum of 1983))	Longitude (NAD83)	071° 44' 14.9" W-	
		Overall Structure Height	446.84 feet	
		Support Structure Height	399.93 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	1988.82 feet	
			-	

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	New Hampshire Public Broadcasting
Date Constructed	11/14/2016

FM, AM or TV radio broadcasters. Facility ID's, Call Signs and Services of other broadcast stations with whom the tower is shared

Facility ID	Call Sign	Service
173546	WEVQ	FM
165997	WNYN-FM	FM
72212	WMTK	FM

### Other Types of Users

Users

WLED microwave

WENH microwave

WNYN microwave

### Primary Tower Modification Costs

Tower

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for undocumented /poorly documented tower

Tower Reinforcements	Please select whether tower reinforcements are needed:	Major Reinforcements needed
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Primary	Tower Rigging Costs					
Tower	Section	Question	Response			
	Tower Rigging Costs	Complex Tower	Terrain constrained			
	Helicopter Services Required	Are helicopter services required?	No			

### Other Tower Expenses Not Listed

Primary 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	40
		Explanation	It will be necessary to schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399. Station does not have available personnel or personnel trained in project management for such complex projects.
	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	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	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	Yes

Number of Days	6
Justification	It will be necessary to survey the site, plan the equipment, develop specifications for purchasing, and oversee multiple vendor RF projects. Station does not have available personnel trained in such services.

### Outside Other Professional Services Expenses Not Listed

Professional	Services Costs	Description	
	Other Legal Services	Legal services not specifically listed under Outside Professional Services	
	Other Engineering Services	Engineering services not specifically listed under Outside Professional Services	

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	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
		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

**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 MPTV-PRLX- U3	\$507,450.00	\$456,650.00		\$104,550.00	
Additional Interior RF System	\$140,000.00	\$140,000.00	N/A	N/A	N/A
Standby Exciter and Switch	\$25,000.00	\$25,000.00	N/A	N/A	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,900.00	N/A	N/A	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	\$273,500.00	\$226,150.00	N/A	\$104,550.00	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Auxiliary Transmitter MPTV-PRLX- U3	\$273,500.00	\$225,615.00		\$112,807.50	

UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	\$273,500.00	\$225,615.00	N/A	\$112,807.50	N/A
Sub-total	\$780,950.00	\$682,265.00	N/A	\$217,357.50	N/A
Total for all systems	\$2,351,440.00	\$2,181,565.00	N/A	\$233,379.74	N/A

### Components

Actual Information Description	File Name				
Additional Interior RF System	Information not provided.				
Standby Exciter and Switch	Information not provided.				
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.				
Transformer 3 phase/480v - 150 KVA	Information not provided.				
UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	Component Description: Amount:	New primary transmitter Comark MPTV- PRLX-U3 Liquid Cooled \$104,550.00			
Switchgear - industrial 800 amp	Information not provided.				
UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	Component Description: Amount:	WLED, AUX SYSTEM (transmitter MPTV- PRLX-) U3 D23 \$112,807.50			

#### 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
Interim Antenna TBD	\$134,110.00	\$127,500.00		\$0.00	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	\$9,570.00	\$9,100.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A

UHF - Lower Power Side Mount, One station antenna - medium power (50- 200 kW), horizontally polarized	\$89,400.00	\$85,000.00	N/A	N/A	N/A
Primary Antenna TBD	\$263,300.00	\$250,500.00		\$0.00	
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$235,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	\$9,570.00	\$9,100.00	N/A	N/A	N/A
Sub-total	\$397,410.00	\$378,000.00	N/A	\$0.00	N/A
Total for all systems	\$2,351,440.00	\$2,181,565.00	N/A	\$233,379.74	N/A

### Components

Information not provided.

### **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
Interim Transmission Line	\$25,900.00	\$24,500.00		\$0.00	
Flexible Air Transmission Line - dielectric, 4"	\$25,900.00	\$24,500.00	N/A	N/A	N/A
Primary Transmission Line	\$6,400.00	\$6,400.00		\$0.00	
Sweep Tests	\$6,400.00	\$6,400.00	N/A	N/A	N/A
Sub-total	\$32,300.00	\$30,900.00	N/A	\$0.00	N/A
Total for all systems	\$2,351,440.00	\$2,181,565.00	N/A	\$233,379.74	N/A

### Components

Information not provided.

### **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	\$868,300.00	\$825,000.00		\$2,700.00	
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$25,000.00	N/A	\$2,700.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$400,000.00	N/A	N/A	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	N/A	N/A
Sub-total	\$868,300.00	\$825,000.00	N/A	\$2,700.00	N/A
Total for all systems	\$2,351,440.00	\$2,181,565.00	N/A	\$233,379.74	N/A

### Components

Actual Information	
Description	File Name

Tower mapping for an undocumented/poorly documented tower and preparation of documentation	Component Description:	Structural Re analysis of
necessary for tower load study	Amount:	existing towe \$1,200.00
	Component Description:	Structural Analysis of existing towe
	Amount:	\$1,500.00
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.	
Major tower reinforcement /modifications	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 Cost Justification
Outside Professional Services	\$198,930.00	\$192,400.00		\$13,322.24	
Other Legal Services	\$15,000.00	\$15,000.00	N/A	\$660.00	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	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	\$119.25	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), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,000.00	FCC CP application
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$3,250.00	FCC RF allocation study for new channel assignment and antenna developmen
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	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
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	N/A	N/A

Total for all systems	\$2,351,440.00	\$2,181,565.00	N/A	\$233,379.74	N/A
Sub-total	\$198,930.00	\$192,400.00	N/A	\$13,322.24	N/A
Project management of the transition	\$6,320.00	\$6,160.00	N/A	\$1,914.99	Checks for the reimbursemen bank account
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$3,301.00	Prep of original FCC Form 399. The station requested specific help from their attorneys prior to having their engineers prepare the Form 399.
Other Engineering Services	\$46,490.00	\$46,490.00	N/A	\$2,077.00	N/A
Additional Field Engineering Service, 6 Days	\$12,000.00	\$12,000.00	N/A	N/A	N/A
coverage verification via field study, if needed					

# Components

Actual Information Description	File Name	
Other Legal Services		
	Component Description:	GSB inv #712794
		Various legal thru
		190228
		UL20190424jgv2
	Amount:	\$660.00

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	Component Description:	Various Legal services related to Repack for WLED
	Amount:	\$119.25
	Component Description:	Legal services related to Quarterly report for WLED
	Amount:	\$30.00
Prepare request for Special Temporary Authorization	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	FCC Construction Permit application for Main Facility - WLED
	Amount:	\$2,000.00
Perform engineering study for new channel assignment and antenna	Component Description:	engineering study
development		for new channel assignment and antenna development
	Amount:	\$3,250.00
Address transition timing	Information not provided.	

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
ASR modification (prepare FCC Form 854)	Information not provided.
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
Additional Field Engineering Service, 6 Days	Information not provided.
	section of FCC Form 2100 (main), License to Cover Application ASR modification (prepare FCC Form 854) FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase Comprehensive coverage verification via field study, if needed Additional Field Engineering Service, 6

Prep and submit actual cost invoices \$275.00 Coverage comparisons for proposed antenna selection \$265.00 Prep, amend and submit actual cost invoices \$397.50 RF calculations for new equipment purchases \$265.00
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\$397.50 RF calculations for new equipment purchases
RF calculations for new equipment purchases
new equipment purchases
purchases
Primary Antenna
Analysis
\$1,139.50
Preparation of
original Form 399 for reimbursement
\$2,500.00
Consultation
regarding reimbursable items.
\$801.00

Component Description: Amount:	KGA inv #211-39 Form 387 2017 Q4 UL20190228jgv2 \$225.00
Component Description: Amount:	One half the cost for checks associated with the reimbursement bank account. \$24.99
Component Description: Amount:	Prepare and submit Sched 387 \$225.00
Component Description: Amount:	Prep and submit Form 387 3Q18 \$150.00
Component Description: Amount:	KGA inv #211-42 Other Eng Srvcs UL20190228jgv2 \$315.00
Component Description: Amount:	KGA inv #211-46 Form 387 2018 Q1 UL20190228jgv2 \$225.00
Component Description: Amount:	Prepare and submit Sched 399 actual charges \$375.00

Component Description:Proj Mgmt 3Q2017 report for WLED \$300.00Amount:Prepare and submit Sched 387 \$225.00Component Description:Prepare and submit Sched 387 \$225.00Component Description:KGA inv #211-32 Form 387 2017 Q3 UL20190228jgv2 \$300.00Component Description:Proj Mgmt 399 Actual Costs Invoice uploads for WLED \$300.00Amount:Proj Mgmt 399 Actual Costs Invoice uploads for WLED \$300.00Component Description:Proj Mgmt 399 Actual Costs Invoice uploads for WLED \$300.00Component Description:Preliminary design of RF transmission facilities for planning \$315.00Component Description:KGA inv #211-41 Actual Cost UL20190228jgv2 \$375.00	Component Description: Amount:	KGA inv #211-34 Actual Cost UL20190228jgv2 \$300.00
Amount:Sched 387 \$225.00Component Description:KGA inv #211-32 Form 387 2017 Q3 UL20190228jgv2 \$300.00Amount:\$300.00Component Description:Proj Mgmt 399 Actual Costs Invoice uploads for WLED \$300.00Amount:\$300.00Component Description:Proj Mgmt 399 Actual Costs Invoice uploads for WLED \$300.00Amount:\$300.00Component Description:Preliminary design 		report for WLED
Form 387 2017 Q3 UL20190228jgv2 \$300.00Amount:Proj Mgmt 399 Actual Costs Invoice uploads for WLED \$300.00Amount:Proj Mgmt 399 Actual Costs Invoice uploads for WLED \$300.00Component Description:Preliminary design of RF transmission facilities for planning \$315.00Component Description:KGA inv #211-41 Actual Cost UL20190228jgv2		Sched 387
Actual Costs Invoice uploads for WLED \$300.00Amount:\$300.00Component Description:Preliminary design of RF transmission facilities for planning \$315.00Amount:\$315.00Component Description:KGA inv #211-41 Actual Cost UL20190228jgv2		Form 387 2017 Q3 UL20190228jgv2
Component Description:Preliminary design of RF transmission facilities for planning \$315.00Amount:\$315.00Component Description:KGA inv #211-41 	Component Description:	Actual Costs Invoice uploads for
of RF transmission facilities for planning \$315.00Amount:\$315.00Component Description:KGA inv #211-41 Actual Cost 	Amount:	\$300.00
Actual Cost UL20190228jgv2		of RF transmission facilities for planning
	Component Description:	Actual Cost
	Amount:	

# **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	\$73,550.00	\$73,000.00		\$0.00	
MVPD Notification of Channel Change	\$2,000.00	\$2,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$50,000.00	\$50,000.00	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
Develop and air announcement of upcoming channel change	\$0.00	\$0.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
Sub-total	\$73,550.00	\$73,000.00	N/A	\$0.00	N/A
Total for all systems	\$2,351,440.00	\$2,181,565.00	N/A	\$233,379.74	N/A

#### Components

Information not provided.

Cost Information	Grand Total				
		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$2,351,440.00	\$2,181,565.00	\$233,379.74	

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.	
		<ol> <li>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> </ol>	
		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 04/24/2019

### Attachments