



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **62136** | Service: **DTV** | Call **WPBS-TV** | Channel: **26 (UHF)**  
ID: | Sign:  
File **0000027455**  
Number:  
FRN: **0003432978** | Date **10/15**  
Submitted: **/2020**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>ST. LAWRENCE VALLEY EDUCATIONAL TV COUNCIL, INC</b> Doing Business As: ST. LAWRENCE VALLEY EDUCATIONAL TV COUNCIL, INC	LYNN BROWN 1056 ARSENAL STREET WATERTOWN, NY 13601 United States	+1 (315) 782- 3142	lbrown@wpbstv. org	Not-for-Profit

## 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
<b>Robert Gehman</b> <i>Consulting Engineer</i> ST. LAWRENCE VALLEY EDUCATIONAL TV COUNCIL, INC	Robert Gehman 507 NW 60 Street Suite D Gainesville, FL 32607 United States	+1 (352) 332- 3157	bob@kesslerandgehman. 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.	No
Briefly describe transition plan	Replace transmitter and antenna using existing line. Acquire interim antenna and line for continued operation during construction and duration of the assigned phase. Map and analyze tower; design and implement modifications if required. See attached.

**Transmitters**

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

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	Ultimate
	Year	2007
	Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power Capacity	8 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?	No
	Manufacturer	
	Model	MPTV-PRLX-U4
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	6.5 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.

**Primary  
Transmitter**

**Other Transmitter Costs**

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
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

**Primary Transmitter**

**Other Transmitter Cost Not Listed**

Name	Description
<b>Standby Exciter and Switch</b>	Standby Exciter with Automatic Change Over Switch
<b>Additional Interior RF System</b>	Interior RF System Existing Transmitter to Interim Transmission line
<b>Installation</b>	Installation
<b>Demo and Replacement Parts</b>	Demo and Replacement Parts

**Antennas**

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

**Primary  
Antenna****Existing Antenna Information**

Section	Question	Response
Existing Antenna Description	Type of change	Retune Existing
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	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)	40.0 kW
Manufacturer	Dielectric
Model	TLP-32 A
Year	2007

**Primary  
Antenna**

**Adjustment to Existing Antenna**

Section	Question	Response
<b>Sweep Test of Existing Antenna</b>	Do you need a sweep test of existing antenna?	

**Primary  
Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	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
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	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) .....	40.0 kW



Manufacturer	
Model	TLP-32 A
Year	2007

## Primary Antenna

### New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	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 Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	29.4 kW
	Manufacturer	
	Model	TBD
	Year	2018

Justification for New Antenna	The existing primary antenna is a single channel slotted coaxial which cannot accommodate the assigned channel.
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## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
<b>New Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	40.0 kW
	Manufacturer	
	Model	ALP16L2- HSOC-26
	Year	2018

	Justification for New Antenna	The station is replacing its existing single channel unlicensed but operational standby antenna.
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**Interim  
Antenna**

**Other Antenna Costs**

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

**Interim  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Transmission Line**

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	No

**Tower Equipment And Rigging Costs**

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

**Primary Tower****Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	No
Existing Tower Structure Registration	Is tower compliant with Rev G?	No
	Do you have a tower registration number?	Yes
	ASR Number	1016461
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	43° 51' 46.0" N-
	Longitude (NAD83)	075° 43' 38.0" W-

Overall Structure Height	950.12 feet
Support Structure Height	950.12 feet
Ground Elevation Above Mean Sea Level (AMSL)	1562.97 feet
Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	ST LAWRENCE VALLEY ETV COUNCIL INC
Date Constructed	08/01/1971

## Primary Tower

### Tower Modification Costs

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

## Primary Tower

### Tower Rigging Costs

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



**Primary  
Tower**

**Other Tower Expenses Not Listed**  
Information not provided.

**Outside  
Professional Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	50
	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.
<b>Outside RF consulting Engineering Services</b>	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes

	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	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
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	Yes

Number of Days	5
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 or personnel trained in such services.

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Other Legal Services	Legal services related to repack not otherwise included in OPS
Other Engineering Services	Engineering services related to repack not otherwise included in OPS

## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
<b>Permit and Filing Costs</b>	Local Zoning	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	No
<b>Other Miscellaneous Expenses</b>	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

<b>Other Expenses</b>	<b>Other Expenses Not Listed</b> Information not provided.
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## Cost Information

### Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Primary Transmitter MPTV-PRLX-U4</b>	<b>\$528,324.00</b>	<b>\$528,508.00</b>		<b>\$302,987.74</b>	
Demo and Replacement Parts	<i>\$16,640.00</i>	\$16,640.00	N/A	\$16,640.00	N/A
Installation	<i>\$4,234.00</i>	\$4,234.00	N/A	\$4,234.00	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$4,614.24	N/A
UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	\$273,500.00	\$277,134.00	The actual cost of the transmitter is \$260,000, which is less than the predetermined cost, but the total quote amount includes shipping, handling, glycol, and RF switch.	\$277,134.00	N/A
Standby Exciter and Switch	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A

Additional Interior RF System	<b>\$140,000.00</b>	\$140,000.00	N/A	\$365.50	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,900.00	N/A	N/A	N/A
<b>Sub-total</b>	\$528,324.00	\$528,508.00	N/A	\$302,987.74	N/A
<b>Total for all systems</b>	\$1,497,191.29	\$1,444,760.29	N/A	\$422,616.78	N/A

## Components

Actual Information	
Description	File Name
Demo and Replacement Parts	<b>Component Description:</b> Comark S10416-2B v190816jgv1 <b>Amount:</b> \$16,640.00
Installation	<b>Component Description:</b> Alpine 201304 8204 v190709jgv1 <b>Amount:</b> \$4,234.00
Transformer 3 phase/480v - 150 KVA	Information not provided.
Switchgear - industrial 800 amp	<b>Component Description:</b> Blackstone 15033 v200121jgv1 <b>Amount:</b> \$4,614.24



UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	<div> <b>Component Description:</b> Comark S10416-1A v190627jgv1         </div> <div> <b>Amount:</b> \$263,277.30         </div>
	<div> <b>Component Description:</b> Comark S10416-2A Final 5 pct v190816jgv1         </div> <div> <b>Amount:</b> \$13,856.70         </div>
Standby Exciter and Switch	Information not provided.
Additional Interior RF System	<div> <b>Component Description:</b> ERI 56496 v201015jgv1         </div> <div> <b>Amount:</b> \$365.50         </div>
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

## Cost Information

### Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Interim Antenna ALP16L2-HSOC-26</b>	<b>\$22,651.97</b>	<b>\$22,651.97</b>		<b>\$22,651.97</b>	
UHF - High Power, Side Mount, basic slot antenna, 40 kW input, horizontally polarized	<i>\$22,651.97</i>	\$22,651.97	See attached /uploaded file "WPBS Auxiliary Antenna Replacement. pdf"	\$22,651.97	N/A
<b>Primary Antenna TLP-32 A</b>	<b>\$19,030.00</b>	<b>\$17,950.00</b>		<b>\$0.00</b>	
Sweep test of existing antenna	\$6,730.00	\$6,250.00	See attached /uploaded file "WPBS Auxiliary Antenna Replacement. pdf"	N/A	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$11,700.00	See attached /uploaded file "WPBS Auxiliary Antenna Replacement. pdf"	N/A	N/A
<b>Primary Antenna TBD</b>	<b>\$6,730.00</b>	<b>\$9,525.00</b>		<b>\$9,525.00</b>	

Sweep test of existing antenna	\$6,730.00	\$9,525.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***Two sweeps have been required. See proposal in attached ERI invoice 50087 and proposal in attached Dielectric invoice 567033.	\$9,525.00	N/A
<b>Sub-total</b>	\$48,411.97	\$50,126.97	N/A	\$32,176.97	N/A
<b>Total for all systems</b>	\$1,497,191.29	\$1,444,760.29	N/A	\$422,616.78	N/A

## Components

Actual Information	
Description	File Name
UHF - High Power, Side Mount, basic slot antenna, 40 kW input, horizontally polarized	<b>Component Description:</b>
	ERI WPBS-54550 v191126jgv1
	<b>Amount:</b>
	\$11,763.47
	<b>Component Description:</b>
	ERI WPBS-37793 v191126jgv1
	<b>Amount:</b>
	\$10,888.50
Sweep test of existing antenna	Information not provided.

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.	
Sweep test of existing antenna	<b>Component Description:</b> <b>Amount:</b>	Installment for Sweep tests \$3,125.00
	<b>Component Description:</b> <b>Amount:</b>	Die 567033 v190809jgv1 \$6,400.00
	<b>Component Description:</b> <b>Amount:</b>	Final installment for sweep tests \$3,125.00

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

**Cost Information**      **Tower Equipment and Rigging Costs**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$657,800.00	\$605,000.00		\$40,258.00	
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$5,000.00	See attached /uploaded file "WPBS Auxiliary Antenna Replacement. pdf"	\$5,000.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	N/A	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	\$35,258.00	N/A
Sub-total	\$657,800.00	\$605,000.00	N/A	\$40,258.00	N/A
Total for all systems	\$1,497,191.29	\$1,444,760.29	N/A	\$422,616.78	N/A

**Components**

Actual Information	
Description	File Name

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	<table> <tr> <td data-bbox="711 109 1145 248"><b>Component Description:</b></td><td data-bbox="1145 109 1426 248">ERI WPBS-55874 v200605jgv1</td></tr> <tr> <td data-bbox="711 248 1145 387"><b>Amount:</b></td><td data-bbox="1145 248 1426 387">\$2,500.00</td></tr> <tr> <td data-bbox="711 387 1145 526"><b>Component Description:</b></td><td data-bbox="1145 387 1426 526">ERI WPBS-37793A v191126jgv1</td></tr> <tr> <td data-bbox="711 526 1145 607"><b>Amount:</b></td><td data-bbox="1145 526 1426 607">\$2,500.00</td></tr> </table>	<b>Component Description:</b>	ERI WPBS-55874 v200605jgv1	<b>Amount:</b>	\$2,500.00	<b>Component Description:</b>	ERI WPBS-37793A v191126jgv1	<b>Amount:</b>	\$2,500.00
<b>Component Description:</b>	ERI WPBS-55874 v200605jgv1								
<b>Amount:</b>	\$2,500.00								
<b>Component Description:</b>	ERI WPBS-37793A v191126jgv1								
<b>Amount:</b>	\$2,500.00								
Major tower reinforcement /modifications	Information not provided.								
Tall Tower (greater than 500')	<table> <tr> <td data-bbox="711 734 1145 873"><b>Component Description:</b></td><td data-bbox="1145 734 1426 873">ERI WPBS-01737 v200805jgv1</td></tr> <tr> <td data-bbox="711 873 1145 969"><b>Amount:</b></td><td data-bbox="1145 873 1426 969">\$35,258.00</td></tr> </table>	<b>Component Description:</b>	ERI WPBS-01737 v200805jgv1	<b>Amount:</b>	\$35,258.00				
<b>Component Description:</b>	ERI WPBS-01737 v200805jgv1								
<b>Amount:</b>	\$35,258.00								

## Cost Information

### Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Outside Professional Services</b>	<b>\$189,105.32</b>	<b>\$188,125.32</b>		<b>\$42,889.07</b>	
Prepare and or review reimbursement form	\$2,630.00	\$10,630.00	The Estimated Cost includes Form 399 submissions including ongoing Actual Cost invoice prep and submission, and amendments as needed.	\$10,630.00	N/A
Other Engineering Services	<i>\$35,000.00</i>	\$35,000.00	N/A	\$10,802.00	N/A
Other Legal Services	<i>\$22,000.00</i>	\$22,000.00	N/A	\$1,501.75	N/A
Additional Field Engineering Service, 5 Days	<i>\$3,685.32</i>	\$3,685.32	N/A	\$3,685.32	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	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
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	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	\$960.00	N/A	\$960.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$1,500.00	N/A



Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$4,500.00	See attached invoices and quotes.	\$4,500.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$3,500.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	\$1,500.00	N/A
Project management of the transition	\$7,900.00	\$7,700.00	N/A	\$2,910.00	N/A
Additional Field Engineering Service, 20 Days	<b>\$1,400.00</b>	\$1,400.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***	\$1,400.00	N/A
<b>Sub-total</b>	\$189,105.32	\$188,125.32	N/A	\$42,889.07	N/A
<b>Total for all systems</b>	\$1,497,191.29	\$1,444,760.29	N/A	\$422,616.78	N/A

## Components

Actual Information	File Name
Description	
Prepare and or review reimbursement form	<b>Component Description:</b> KGA 954-22 v190626jgv1
	<b>Amount:</b> \$475.00
	<b>Component Description:</b> KGA 954-43 v200305jgv1
	<b>Amount:</b> \$325.00
	<b>Component Description:</b> KGA 954-33 v190906jgv1
	<b>Amount:</b> \$825.00
	<b>Component Description:</b> KGA 954-26 v190626jgv1
	<b>Amount:</b> \$30.00
	<b>Component Description:</b> KGA 954-46 v200501jgv1
	<b>Amount:</b> \$125.00
	<b>Component Description:</b> KGA 954-45 v200501jgv1
	<b>Amount:</b> \$125.00
	<b>Component Description:</b> KGA 954-37 v191017jgv1
	<b>Amount:</b> \$1,600.00
	<b>Component Description:</b> KGA 954-34 v191002jgv1
	<b>Amount:</b> \$1,125.00

	<b>Component Description:</b>	KGA 954-55 v201015jgv1
	<b>Amount:</b>	\$175.00
	<b>Component Description:</b>	KGA 954-53 v200814jgv1
	<b>Amount:</b>	\$1,025.00
	<b>Component Description:</b>	KGA 954-40 v191126jgv1
	<b>Amount:</b>	\$675.00
	<b>Component Description:</b>	KGA 954-54 v200910jgv1
	<b>Amount:</b>	\$375.00
Other Engineering Services	<b>Component Description:</b>	Prepare Form 399 budget for reimbursement for WPBS
	<b>Amount:</b>	\$2,500.00
	<b>Component Description:</b>	KGA 954-42 v200206jgv1
	<b>Amount:</b>	\$100.00
	<b>Component Description:</b>	KGA 954-51 v200708jgv1
	<b>Amount:</b>	\$925.00
	<b>Component Description:</b>	KGA 954-48 v200604jgv1
	<b>Amount:</b>	\$225.00

<b>Component Description:</b>	KGA 954-50 v200707jgv1
<b>Amount:</b>	\$550.00

<b>Component Description:</b>	KGA 954-49 v200624jgv1
<b>Amount:</b>	\$150.00

<b>Component Description:</b>	KGA 954-31 v190906jgv1
<b>Amount:</b>	\$1,250.00

<b>Component Description:</b>	KGA 954-23 v190626jgv1
<b>Amount:</b>	\$200.00

<b>Component Description:</b>	KGA 954-39 v191030jgv1
<b>Amount:</b>	\$600.00

<b>Component Description:</b>	KGA 954-19 v190906jgv2
<b>Amount:</b>	\$600.00

<b>Component Description:</b>	KGA 954-25 v191031jgv3
<b>Amount:</b>	\$1,150.00

<b>Component Description:</b>	KGA 954-13 v190906jgv2
<b>Amount:</b>	\$79.50

<b>Component Description:</b>	KGA 954-12 v190906jgv2
<b>Amount:</b>	\$397.50

<b>Component Description:</b>	RF Calculations
<b>Amount:</b>	\$1,275.00

<b>Component Description:</b>	KGA 954-32 v190906jgv1
<b>Amount:</b>	\$1,450.00

<b>Component Description:</b>	KGA 954-15 v190626jgv1
<b>Amount:</b>	\$1,275.00

<b>Component Description:</b>	KGA 954-20 v190626jgv1
<b>Amount:</b>	\$125.00

<b>Component Description:</b>	KGA 954-36 v191002jgv1
<b>Amount:</b>	\$1,625.00

<b>Component Description:</b>	Repack Specifications for Purchase of equipment
<b>Amount:</b>	\$1,350.00

<b>Component Description:</b>	KGA 954-16 v190626jgv1
<b>Amount:</b>	\$1,350.00

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Other Legal Services	<b>Component Description:</b> Other Legal Services related to quarterly progress report <b>Amount:</b> \$209.25
	<b>Component Description:</b> GSB 720210 v190815jgv1 <b>Amount:</b> \$300.00
	<b>Component Description:</b> GSB 723577 v190906jgv1 <b>Amount:</b> \$720.00
	<b>Component Description:</b> Foster Garvey 2727952 v191025jgv1 <b>Amount:</b> \$122.50
	<b>Component Description:</b> GSB 720582 v190815jgv1 <b>Amount:</b> \$150.00
Additional Field Engineering Service, 5 Days	<b>Component Description:</b> KGA 954-11 v190626jgv1 <b>Amount:</b> \$3,685.32
Comprehensive coverage verification via field study, if needed	Information not provided.
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.
ASR modification (prepare FCC Form 854)	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	<p><b>Component Description:</b> Legal services for Form 2100 (main) CP application</p> <p><b>Amount:</b> \$960.00</p>
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	<p><b>Component Description:</b> KGA 954-35 v191002jgv1</p> <p><b>Amount:</b> \$1,500.00</p>
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<p><b>Component Description:</b> KGA 954-27 v190626jgv1</p> <p><b>Amount:</b> \$2,500.00</p> <p><b>Component Description:</b> Engineering for CP application, Main facility WPBS</p> <p><b>Amount:</b> \$2,000.00</p>
Perform engineering study for new channel assignment and antenna development	<p><b>Component Description:</b> Engineering for new channel and Antenna development for main facility WPBS</p> <p><b>Amount:</b> \$3,500.00</p>
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.

Prepare request for Special Temporary Authorization	<div> <b>Component Description:</b> KGA 954-30 v190809jgv1         </div> <div> <b>Amount:</b> \$1,500.00         </div>
Project management of the transition	<div> <b>Component Description:</b> KGA 954-21 v190626jgv1         </div> <div> <b>Amount:</b> \$150.00         </div>
	<div> <b>Component Description:</b> KGA 954-38 v191030jgv1         </div> <div> <b>Amount:</b> \$150.00         </div>
	<div> <b>Component Description:</b> KGA 954-10 v190626jgv1b         </div> <div> <b>Amount:</b> \$150.00         </div>
	<div> <b>Component Description:</b> KGA 954-44 v200305jgv1         </div> <div> <b>Amount:</b> \$150.00         </div>
	<div> <b>Component Description:</b> KGA 954-47 v200501jgv1         </div> <div> <b>Amount:</b> \$150.00         </div>
	<div> <b>Component Description:</b> Prepare and file Form 399 invoices for reimbursement         </div> <div> <b>Amount:</b> \$615.00         </div>
	<div> <b>Component Description:</b> KGA 954-24 v191031jgv2         </div> <div> <b>Amount:</b> \$300.00         </div>



	<b>Component Description:</b>	Review of original Form 399 WPBS
	<b>Amount:</b>	\$420.00
	<b>Component Description:</b>	Legal review of Form 387 3Q2017 WPBS
	<b>Amount:</b>	\$209.25
	<b>Component Description:</b>	Prepare and file Form 387 4Q2017 WPBS
	<b>Amount:</b>	\$225.00
	<b>Component Description:</b>	KGA 954-14 v190626jgv1
	<b>Amount:</b>	\$150.00
	<b>Component Description:</b>	KGA 954-52 v200721jgv1
	<b>Amount:</b>	\$150.00
	<b>Component Description:</b>	Prepare and file Form 387 3Q2017 WPBS
	<b>Amount:</b>	\$300.00
	<b>Component Description:</b>	Form 387 4Q18 Progress Report
	<b>Amount:</b>	\$150.00
Additional Field Engineering Service, 20 Days	<b>Component Description:</b>	Additional Field service, RF system design, for WPBS
	<b>Amount:</b>	\$1,400.00

## Cost Information

### Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Other Expenses</b>	<b>\$73,550.00</b>	<b>\$73,000.00</b>		<b>\$4,305.00</b>	
Equipment Delivery and Handling Charges	<i>\$40,000.00</i>	\$40,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$2,725.00	N/A
MVPD Notification of Channel Change	<i>\$2,000.00</i>	\$2,000.00	N/A	\$1,580.00	N/A
Develop and air announcement of upcoming channel change	<i>\$0.00</i>	\$0.00	N/A	N/A	N/A
Equipment Storage	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
<b>Sub-total</b>	<b>\$73,550.00</b>	<b>\$73,000.00</b>	<b>N/A</b>	<b>\$4,305.00</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$1,497,191.29</b>	<b>\$1,444,760.29</b>	<b>N/A</b>	<b>\$422,616.78</b>	<b>N/A</b>

### Components

Actual Information	
Description	File Name
Equipment Delivery and Handling Charges	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
DTV Medical Facility Notification	<b>Component Description:</b> KGA 954-17 v190626jgv1 <b>Amount:</b> \$2,725.00
MVPD Notification of Channel Change	<b>Component Description:</b> KGA 954-18 v190626jgv1 <b>Amount:</b> \$1,580.00
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.

<b>Cost Information</b>	<b>Grand Total</b>		
		<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>
			<b>Actual Cost</b>
	<b>Total for all systems</b>	\$1,497,191.29	\$1,444,760.29
			\$422,616.78

<b>Reimbursement Status</b>	<b>Question</b>	<b>Response</b>
	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	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.</li> </ol>	

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

<p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Jeffrey C Gehman</b> <i>Engineering Associate</i></p> <p>10/15/2020</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	



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

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Jeffrey C Gehman</b>  <i>Engineering Associate</i></p> <p>10/15/2020</p>

## Attachments