



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **71680** | Service: **DTV** | Call **WSWP-TV** | Channel:
ID: | Sign:
8 (High VHF) | File **0000027974**
Number:
FRN: **0002017572** | Date **10/15**
Submitted: **/2021**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
West Virginia Educational Broadcasting Authority	Scott Finn 600 Capitol Street Charleston, WV 25301 United States	+1 (304) 556-4903	sfinn@wvpublic.org	Government Entity

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Robert Gehman <i>Consulting Engineer</i> <i>Kessler and Gehman Associates, Inc.</i>	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.

Transmitters

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

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	PTCD10P1- i
	Year	2007
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	4 kW

**Primary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	VAXTE-16R37
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	9.6 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
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	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 leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Additional Interior RF System	Interior RF System Existing Transmitter to Interim Transmission line
Standby Exciter and Switch	Standby Exciter with Automatic Change Over Switch

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	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?	Yes
	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)	24.0 kW

Manufacturer	
Model	THV-6A10- R 3C140
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?	Yes
	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)	24.0 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.
-------------------------------	---

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	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
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	3 1/8 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	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
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?	Yes
	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
	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)	27.5 kW
	Manufacturer	
	Model	ETH-8-8
	Year	2018

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

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
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
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?	Yes

Primary Transmission Line**Existing Transmission Line**

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
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	Dielectric
	Type	Rigid
	Diameter	3 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	450 feet per run

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Sweep Tests	Sweep tests to ensure performance on assigned channel

Interim Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Flexible Air
	Diameter	1 5/8 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	1
	Length	350 feet per run

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

Interim Transmission Line **Other Transmission Line Expenses Not Listed**
Information not provided.

**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	Leased
	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?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1035131
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	37° 53' 46.4" N-
	Longitude (NAD83)	080° 59' 20.3" W-
	Overall Structure Height	468.83 feet
	Support Structure Height	377.29 feet

Ground Elevation Above Mean Sea Level (AMSL)	2958.95 feet
Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	West Virginia Educational Broadcasting Authority
Date Constructed	02/08/2010

**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
71689	WVBY	FM

Other Types of Users

Users
WVBY microwave
WSWP microwave

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	Terrain constrained
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
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	204
	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 Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	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	18
	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

Other Professional Services Expenses Not Listed

Services Costs

Name	Description
Other Engineering Services	Other Engineering Services
Other Legal Services	Other Legal Services

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	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?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

**Other
Expenses**

Other Expenses Not Listed

Name	Description
Other Equipment Costs	Other Equipment Costs

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter VAXTE-16R37	\$500,450.00	\$339,514.20		\$174,014.20	
Standby Exciter and Switch	<i>\$25,000.00</i>	\$25,000.00	See "WSWP Transition Plan" Attachment.	N/A	N/A
Additional Interior RF System	<i>\$75,000.00</i>	\$75,000.00	See "WSWP Transition Plan" Attachment.	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
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
High VHF - Air Cooled Solid State Transmitter 6.5 . 12.5 kW	\$331,500.00	\$174,014.20	See attached / uploaded PDF file titled "Gates US0340402 v201209jgv2.pdf"	\$174,014.20	N/A
Sub-total	\$500,450.00	\$339,514.20	N/A	\$174,014.20	N/A

Total for all systems	\$2,241,305.08	\$2,028,952.28	N/A	\$234,551.22	N/A
------------------------------	----------------	----------------	-----	--------------	-----

Components

Actual Information	
Description	File Name
Standby Exciter and Switch	Information not provided.
Additional Interior RF System	Information not provided.
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Transformer 3 phase/480v - 150 KVA	Information not provided.
Switchgear - industrial 800 amp	Information not provided.
High VHF - Air Cooled Solid State Transmitter 6.5 . 12.5 kW	<div> Component Description: Gates US0340402 v201209jgv2 </div> <div> Amount: \$174,014.20 </div>

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
Interim Antenna ETH-8-8	\$215,140.00	\$213,400.00		\$5,000.00	
High VHF - High Power Side Mount One Station horizontally polarized	<i>\$180,000.00</i>	\$180,000.00	Estimated cost is based on the Cost Catalog estimate for this item.	\$5,000.00	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
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
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Primary Antenna TBD	\$339,330.00	\$338,800.00		\$0.00	

Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	\$7,600.00	\$7,400.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
High VHF - High Power Top Mount One Station horizontally polarized	\$325,000.00	\$325,000.00	Estimated cost is based on the Cost Catalog estimate for this item.	N/A	N/A
Sub-total	\$554,470.00	\$552,200.00	N/A	\$5,000.00	N/A
Total for all systems	\$2,241,305.08	\$2,028,952.28	N/A	\$234,551.22	N/A

Components

Actual Information	
Description	File Name
High VHF - High Power Side Mount One Station horizontally polarized	<p>Component Description: Lima 8003 v210831pmv1</p> <p>Amount: \$5,000.00</p>
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.

Sweep test of existing antenna	Information not provided.
Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	Information not provided.
Sweep test of existing antenna	Information not provided.
High VHF - High Power Top Mount One Station horizontally polarized	Information not provided.

Cost
Information

Transmission Line

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	\$11,550.00	\$10,850.00		\$0.00	
Flexible Air Transmission Line - dielectric, 1 5 /8"	\$11,550.00	\$10,850.00	N/A	N/A	N/A
Primary Transmission Line	\$6,400.00	\$6,400.00		\$0.00	
Sweep Tests	<i>\$6,400.00</i>	\$6,400.00	A sweep of the transmission line test is needed to verify performance on the assigned channel. Estimated cost for the test is based on the Cost Catalog estimate for this item.	N/A	N/A
Sub-total	\$17,950.00	\$17,250.00	N/A	\$0.00	N/A
Total for all systems	\$2,241,305.08	\$2,028,952.28	N/A	\$234,551.22	N/A

Components

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	\$868,300.00	\$825,000.00		\$0.00	
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	N/A	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	N/A	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
Sub-total	\$868,300.00	\$825,000.00	N/A	\$0.00	N/A
Total for all systems	\$2,241,305.08	\$2,028,952.28	N/A	\$234,551.22	N/A

Components

Information not provided.

**Cost
Information**

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$215,909.81	\$211,312.81		\$47,649.75	
Other Legal Services	<i>\$26,882.81</i>	\$26,882.81	N/A	\$26,882.81	N/A
Other Engineering Services	<i>\$1,675.00</i>	\$1,675.00	The Estimated Cost includes other engineering services such as RF calculations, evolving transition plan calculations, bid spec prep / distribution / award recommendation / etc and discussion, etc.	\$1,675.00	N/A
Additional Field Engineering Service, 18 Days	<i>\$36,000.00</i>	\$36,000.00	See attached quote from Kessler and Gehman Associates, Inc.	\$3,736.94	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
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	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$2,050.00	N/A	\$2,050.00	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

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,500.00	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 and or review reimbursement form	\$2,630.00	\$5,355.00	The Estimated Cost includes Form 399 submissions including ongoing Actual Cost invoice prep and submission, and amendments as needed.	\$5,355.00	N/A
Project management of the transition	\$32,232.00	\$30,600.00	N/A	\$1,950.00	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	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
Sub-total	\$215,909.81	\$211,312.81	N/A	\$47,649.75	N/A
Total for all systems	\$2,241,305.08	\$2,028,952.28	N/A	\$234,551.22	N/A

Components

Actual Information Description	File Name
Other Legal Services	Component Description: Akin Gump 1925146 v211015pmv1 Amount: \$435.00
	Component Description: Akin Gump 1746414 v210925pmv1 Amount: \$126.00
	Component Description: Akin Gump 1888451 v210923pmv1 Amount: \$966.75
	Component Description: Akin Gump 1912342 v211007pmv1 Amount: \$672.00
	Component Description: Akin Gump 1742362 v210916pmv1 Amount: \$1,939.16
	Component Description: Akin Gump 1942655 v211006pmv1 Amount: \$4,368.00
	Component Description: Akin Gump 1757561 v210925pmv1 Amount: \$412.75

Component Description:	Akin Gump 1896557 v211007pmv1b
Amount:	\$2,058.00

Component Description:	Akin Gump 1736519 v210916pmv1
Amount:	\$491.50

Component Description:	Akin Gump 1929274 v211015pmv1
Amount:	\$174.00

Component Description:	Akin Gump 1884346 v210929pmv1
Amount:	\$821.06

Component Description:	Akin Gump 1914931 v211015pmv1
Amount:	\$1,470.00

Component Description:	Akin Gump 1921363 v211015pmv1
Amount:	\$326.25

Component Description:	Akin Gump 1892904 v210924pmv1
Amount:	\$7,160.00

Component Description:	Akin Gump 1946182 v211006pmv1
Amount:	\$1,664.00

Component Description:	Akin Gump 1727627 v210916pmv1
Amount:	\$2,406.50

Component Description:	Akin Gump 1770885 v210925pmv1
Amount:	\$36.00

Component Description:	Akin Gump 1714759 v210923pmv1
Amount:	\$106.50

Component Description:	Akin Gump 1884714 v210916pmv1
Amount:	\$112.00

Component Description:	Akin Gump 1719160 v210923pmv1
Amount:	\$361.84

Component Description:	Akin Gump 1819641 v210916pmv1
Amount:	\$169.00

	Component Description: Akin Gump 1733137 v210923pmv1 Amount: \$606.50
Other Engineering Services	Component Description: KGA 575-442 v210219jgv1 Amount: \$1,225.00 Component Description: KGA 575-451 v210219jgv1 Amount: \$200.00 Component Description: KGA 575-429 v210316jgv1 Amount: \$250.00
Additional Field Engineering Service, 18 Days	Component Description: KGA 575-330 v210709jgv1 Amount: \$3,736.94
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.
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 request for Special Temporary Authorization	<div> <div> Component Description: Amount: </div> <div> KGA 575-430 v210315jgv1 \$1,550.00 </div> </div> <div> <div> Component Description: Amount: </div> <div> KGA 575-432 v210315jgv1 \$500.00 </div> </div>
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	<div> <div> Component Description: Amount: </div> <div> KGA 575-332 v210720jgv1 \$2,500.00 </div> </div>
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.

Prepare and or review reimbursement form	<table> <tr> <td data-bbox="708 174 1011 208">Component Description:</td><td data-bbox="1147 174 1310 248">KGA 575-439 v210219jgv1</td></tr> <tr> <td data-bbox="708 255 815 288">Amount:</td><td data-bbox="1147 255 1246 288">\$435.00</td></tr> <tr><td colspan="2"> </td></tr> <tr> <td data-bbox="708 396 1011 430">Component Description:</td><td data-bbox="1147 396 1310 470">KGA 575-448 v210219jgv1</td></tr> <tr> <td data-bbox="708 477 815 510">Amount:</td><td data-bbox="1147 477 1230 510">\$25.00</td></tr> <tr><td colspan="2"> </td></tr> <tr> <td data-bbox="708 618 1011 651">Component Description:</td><td data-bbox="1147 618 1310 692">KGA 575-449 v210219jgv1</td></tr> <tr> <td data-bbox="708 698 815 732">Amount:</td><td data-bbox="1147 698 1246 732">\$550.00</td></tr> <tr><td colspan="2"> </td></tr> <tr> <td data-bbox="708 840 1011 873">Component Description:</td><td data-bbox="1147 840 1310 913">KGA 575-445 v210219jgv1</td></tr> <tr> <td data-bbox="708 920 815 954">Amount:</td><td data-bbox="1147 920 1267 954">\$1,845.00</td></tr> <tr><td colspan="2"> </td></tr> <tr> <td data-bbox="708 1061 1011 1095">Component Description:</td><td data-bbox="1147 1061 1310 1135">KGA 575-336 v210715jgv1</td></tr> <tr> <td data-bbox="708 1142 815 1176">Amount:</td><td data-bbox="1147 1142 1267 1176">\$2,500.00</td></tr> </table>	Component Description:	KGA 575-439 v210219jgv1	Amount:	\$435.00			Component Description:	KGA 575-448 v210219jgv1	Amount:	\$25.00			Component Description:	KGA 575-449 v210219jgv1	Amount:	\$550.00			Component Description:	KGA 575-445 v210219jgv1	Amount:	\$1,845.00			Component Description:	KGA 575-336 v210715jgv1	Amount:	\$2,500.00
Component Description:	KGA 575-439 v210219jgv1																												
Amount:	\$435.00																												
Component Description:	KGA 575-448 v210219jgv1																												
Amount:	\$25.00																												
Component Description:	KGA 575-449 v210219jgv1																												
Amount:	\$550.00																												
Component Description:	KGA 575-445 v210219jgv1																												
Amount:	\$1,845.00																												
Component Description:	KGA 575-336 v210715jgv1																												
Amount:	\$2,500.00																												
Project management of the transition	<table> <tr> <td data-bbox="708 1301 1011 1335">Component Description:</td><td data-bbox="1147 1301 1310 1375">KGA 575-377 v210709jgv1</td></tr> <tr> <td data-bbox="708 1382 815 1415">Amount:</td><td data-bbox="1147 1382 1246 1415">\$150.00</td></tr> <tr><td colspan="2"> </td></tr> <tr> <td data-bbox="708 1523 1011 1556">Component Description:</td><td data-bbox="1147 1523 1310 1597">KGA 575-397 v200813pmv1</td></tr> <tr> <td data-bbox="708 1603 815 1637">Amount:</td><td data-bbox="1147 1603 1246 1637">\$150.00</td></tr> <tr><td colspan="2"> </td></tr> <tr> <td data-bbox="708 1744 1011 1778">Component Description:</td><td data-bbox="1147 1744 1310 1818">KGA 575-401 v200813pmv1</td></tr> <tr> <td data-bbox="708 1825 815 1859">Amount:</td><td data-bbox="1147 1825 1246 1859">\$150.00</td></tr> <tr><td colspan="2"> </td></tr> <tr> <td data-bbox="708 1966 1011 2000">Component Description:</td><td data-bbox="1147 1966 1310 2040">KGA 575-415 v200813pmv1</td></tr> <tr> <td data-bbox="708 2047 815 2080">Amount:</td><td data-bbox="1147 2047 1246 2080">\$150.00</td></tr> </table>	Component Description:	KGA 575-377 v210709jgv1	Amount:	\$150.00			Component Description:	KGA 575-397 v200813pmv1	Amount:	\$150.00			Component Description:	KGA 575-401 v200813pmv1	Amount:	\$150.00			Component Description:	KGA 575-415 v200813pmv1	Amount:	\$150.00						
Component Description:	KGA 575-377 v210709jgv1																												
Amount:	\$150.00																												
Component Description:	KGA 575-397 v200813pmv1																												
Amount:	\$150.00																												
Component Description:	KGA 575-401 v200813pmv1																												
Amount:	\$150.00																												
Component Description:	KGA 575-415 v200813pmv1																												
Amount:	\$150.00																												

	Component Description: Amount:	KGA 575-421 v200813pmv1 \$150.00
	Component Description: Amount:	KGA 575-362 v210713jgv1 \$150.00
	Component Description: Amount:	KGA 575-389 v200813pmv1 \$150.00
	Component Description: Amount:	KGA 575-340 v210713jgv1 \$300.00
	Component Description: Amount:	KGA 575-346 v210713jgv1 \$225.00
	Component Description: Amount:	KGA 575-368 v210713jgv1 \$150.00
	Component Description: Amount:	KGA 575-353 v210713jgv1 \$225.00
ASR modification (prepare FCC Form 854)	Information not provided.	
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	KGA 575-332 v210720jgv1 \$3,500.00

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
Other Expenses	\$84,225.27	\$83,675.27		\$7,887.27	
Other Equipment Costs	<i>\$675.27</i>	\$675.27	N/A	\$675.27	N/A
MVPD Notification of Channel Change	<i>\$2,000.00</i>	\$2,000.00	Estimated cost is based on the need for one day of outside consulting services to complete the MVPD Notifications.	\$1,925.00	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>\$20,000.00</i>	\$20,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$25,000.00</i>	\$25,000.00	N/A	\$2,162.00	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A

DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$3,125.00	N/A
Sub-total	\$84,225.27	\$83,675.27	N/A	\$7,887.27	N/A
Total for all systems	\$2,241,305.08	\$2,028,952.28	N/A	\$234,551.22	N/A

Components

Actual Information Description	File Name
Other Equipment Costs	<p>Component Description: Fastenal WVCH192232 v210830pmv1</p> <p>Amount: \$675.27</p>
MVPD Notification of Channel Change	<p>Component Description: KGA 575-424 v200813pmv1</p> <p>Amount: \$1,925.00</p>
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.
Equipment Delivery and Handling Charges	<p>Component Description: Gates US0340402 v201209jgv2</p> <p>Amount: \$2,162.00</p>
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
DTV Medical Facility Notification	<p>Component Description: KGA 575-425 v200813pmv1</p> <p>Amount: \$3,125.00</p>

**Cost
Information**

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,241,305.08	\$2,028,952.28	\$234,551.22

Reimbursement Status

Question	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	<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"> 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. 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.

<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>Jeffrey C Gehman <i>Engineering Associate</i></p> <p>10/15/2021</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"> 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. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 	

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

<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>Jeffrey C Gehman <i>Engineering Associate</i></p> <p>10/15/2021</p>

Attachments