



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **190915** | Service: **DCA** | Call **WSVF-CD** | Channel:
ID: | Sign:
36 (UHF) | File **0000028691**
Number:
FRN: **0018223693** | Date **08/11**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
GRAY TELEVISION LICENSEE, LLC	50 NORTH MAIN STREET HARRISONBURG, VA 22802 United States	+1 (540) 433-9191	robert. folliard@gray. tv	Limited Liability Company

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
Samuel Hariton <i>Widely</i>	Samuel Hariton 4031 University Dr Suite 100 Fairfax, VA 22030 United States	+1 (339) 222-8107	sam.hariton@widelity.com

**Broadcaster
Information
and
Transition
Plan**

Question		Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.		Yes
Briefly describe transition plan		The station will be replacing the main antenna, transmission line, and transmitter.

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	UAX2000
	Year	2013
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	2.2 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	EC702HP- BB
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	1.7 kW
	Justification for New Transmitter	The old transmitter cannot be retuned

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	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
	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**
Information not provided.

**Interim
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Lease New
	Manufacturer	
	Model	UAXT-3R37
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	1.5 kW
	Justification for New Transmitter	Renting transmitter while main is being retuned.

**Interim
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	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	Yes

	Description	The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.
HVAC Service	Does the replacement transmitter require HVAC Service?	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
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	No

**Interim
Transmitter**

Other Transmitter Cost Not Listed

Name	Description
HVAC	Additional HVAC for interim transmitter

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?	Yes
Existing Antenna Manufacturer and Type	Class	Class A
	Mounting	Side 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)	13.0 kW

Manufacturer	
Model	AL80-43 (Single Channel with Broadband Nulling System)
Year	2013

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?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Types	Class	Class A
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	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)	15.0 kW
	Manufacturer	

Model	ETU4U7-ETP4OX-30/34/36
Year	2012
Justification for New Antenna	Current Antenna cannot be retuned.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	3
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	No
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 a high power antenna?	
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

Enter a list of RF channel numbers.

RF Channel Number
30
34
36

**Primary
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**Add 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 this transmission currently shared with any other stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	Andrew
	Type	Flexible Foam
	Diameter	7/8 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	164 feet per run

Primary
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
DO NOT USE. Null line for Green Bank.	DO NOT USE. Null line for Green Bank.

Primary
Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	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	
	Type	Flexible Foam
	Diameter	1 5/8 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	164 feet per run

Primary **New Transmission Line**
Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Flexible Air
	Diameter	1 5/8 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	175 feet per run
	Justification for New Transmission Line	The new antenna requires a larger, air-dielectric pressurized line to pressurize the signal splitter on the antenna, so the needed line was added.

Primary **Other Transmission Line Expenses Not Listed**
Transmission Line

Information not provided.

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 Foam
	Diameter	1 5/8 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	2
	Length	164 feet per run
	Justification for New Transmission Line	Required for the new channel 36 antenna while the channel 43 antenna is broadcasting.

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?	Candelabra
	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?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	38° 23' 34.4" N-
	Longitude (NAD83)	078° 46' 12.0" W-
	Overall Structure Height	80.00 feet
	Support Structure Height	80.00 feet
	Ground Elevation Above Mean Sea Level (AMSL)	2921.20 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Rockingham County, VA
Date Constructed	01/01/1979

**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
47705	WVIR-CD	DTV
168767	WSVW-LD	LPD
4688	WHSV-TV	DTV

Other Types of Users

Users
Emergency Radio
misc unlicensed

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Minor Reinforcements needed

**Primary
Tower**

Tower Rigging Costs

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

**Primary
Tower**

Other Tower Expenses Not Listed

Name	Description
Moving Equipment	Removing main antenna, installing a new antenna

**Outside
Professional Services Costs**

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	711
	Explanation	WSFV-CD does not have necessary resources in house to facilitate on-time completion of the station's build. WSFV-CD will hire an outside firm to support WSFV-CD in these tasks to ensure a timely and well managed transition.
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	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	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	No
	RF exposure measurements	No
	Additional Field Engineering Service	Yes

Number of Days	5
Justification	Yes. NRAO Compliance

Outside Other Professional Services Expenses Not Listed
Professional Services Costs provided.

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	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	No
	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 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
Interim Transmitter UAXT-3R37	\$126,000.00	\$0.00		\$0.00	
HVAC	<i>\$0.00</i>	\$0.00	No interim transmitter is needed.	N/A	N/A
Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	<i>\$0.00</i>	\$0.00	No interim transmitter is needed.	N/A	N/A
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$126,000.00	\$0.00	No interim transmitter is needed	\$0.00	N/A
Primary Transmitter EC702HP-BB	\$126,000.00	\$85,958.00		\$85,958.00	

UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$126,000.00	\$85,958.00	Please see WSVF and WHSV Massanutten Hitachi Comark proposal P#3740R3- WSVF MASSANUTTEN- EC702-190220, less cost of combiner	\$85,958.00	N/A
Sub-total	\$252,000.00	\$85,958.00	N/A	\$85,958.00	N/A
Total for all systems	\$1,345,283.73	\$721,478.60	N/A	\$470,267.79	N/A

Components

Actual Information	
Description	File Name
HVAC	Information not provided.
Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	Information not provided.
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	Information not provided.
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	<p>Component Description: WSVF-CD, SYSTEM EC702HP-BB</p> <p>Amount: \$81,660.10</p> <p>Component Description: WSVF-CD, SYSTEM EC702HP-BB</p> <p>Amount: \$4,297.90</p>

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
Primary Antenna ETU4U7-ETP4OX-30 /34/36	\$276,138.73	\$196,003.73		\$174,057.63	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Please see DTVPros change order dated 5/27/20	\$6,400.00	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$4,395.00	Please see WSVF and WHSV Massanutten Hitachi Comark proposal P#3740R3-WSVF MASSANUTTEN-EC702-190220	\$4,395.00	N/A
UHF - Lower Power, Top Mount, Class A, basic slot antenna, 15 kW input, elliptically or circularly polarized	<i>\$185,208.73</i>	\$185,208.73	per DTVPros Quote JEHQ1696	\$163,262.63	N/A
Sub-total	\$276,138.73	\$196,003.73	N/A	\$174,057.63	N/A
Total for all systems	\$1,345,283.73	\$721,478.60	N/A	\$470,267.79	N/A

Components

Actual Information	Description	File Name
Sweep test of existing antenna	Component Description:	WSVF-210-New Primary Antenna- Sweep Test
	Amount:	\$6,400.00
New combiner, cost per channel (without antenna)	Component Description:	WSVF-210-New Primary Antenna - Combiner
	Amount:	\$4,175.25
	Component Description:	WSVF-210-New Primary Antenna - Combiner
	Amount:	\$219.75
UHF - Lower Power, Top Mount, Class A, basic slot antenna, 15 kW input, elliptically or circularly polarized	Component Description:	UHF-Low Power Broadband Top Mount (15KW)
	Amount:	\$73,545.20
	Component Description:	UHF-LOW POWER BROADBAND TOP MOUNT (15KW)
	Amount:	\$89,717.43

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	\$7,872.00	\$0.00		\$0.00	
Flexible Foam Transmission Line - dielectric, 1 5 /8"	\$7,872.00	\$0.00	No interim transmission line is needed.	N/A	N/A
Primary Transmission Line	\$0.00	\$0.00		\$0.00	
DO NOT USE. Null line for Green Bank.	\$0.00	\$0.00	DO NOT USE. Null line for Green Bank.	N/A	N/A
Primary Transmission Line	\$5,775.00	\$8,276.87		\$477.04	
Flexible Air Transmission Line - dielectric, 1 5 /8"	\$5,775.00	\$8,276.87	Please see WSVF DTVPros quote JEHQ1712	\$477.04	N/A
Sub-total	\$13,647.00	\$8,276.87	N/A	\$477.04	N/A
Total for all systems	\$1,345,283.73	\$721,478.60	N/A	\$470,267.79	N/A

Components

Actual Information	
Description	File Name

Flexible Foam Transmission Line - dielectric, 1 5/8"	Information not provided.
DO NOT USE. Null line for Green Bank.	Information not provided.
Flexible Air Transmission Line - dielectric, 1 5/8"	<div> <div> Component Description: </div> <div> WSVF-310-New Primary Transmission Line </div> </div> <div> <div> Amount: </div> <div> \$477.04 </div> </div>

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	\$618,160.00	\$262,960.00		\$104,099.12	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$80,000.00	Short tower with candelabra on top	\$72,180.00	N/A
Moving Equipment	<i>\$26,560.00</i>	\$26,560.00	See attached Shenandoah Tower quote B17-1358	\$0.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$6,400.00	N/A	\$6,225.00	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	\$25,694.12	N/A
Sub-total	\$618,160.00	\$262,960.00	N/A	\$104,099.12	N/A
Total for all systems	\$1,345,283.73	\$721,478.60	N/A	\$470,267.79	N/A

Components

Actual Information Description	File Name
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Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Component Description:	VAP190117_Massanutten
	Amount:	\$1,820.00
	Component Description:	VAP200031 _Massanutten
	Amount:	\$70,360.00
Moving Equipment	Information not provided.	
Structural engineering tower load study for well documented tower	Component Description:	VAP190202 Massanutten_PO7077.
	Amount:	\$4,500.00
	Component Description:	VAP190200_Massanutten_P07071
	Amount:	\$1,725.00
Minor tower reinforcement /modifications	Component Description:	ENGINEERING CLIMBING INSPECTION
	Amount:	\$12,060.00
	Component Description:	Tower Services
	Amount:	\$2,412.00
	Component Description:	ENGINEERING CLIMBING INSPECTION
	Amount:	\$11,222.12

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	\$152,258.00	\$144,000.00		\$100,586.00	
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Additional Field Engineering Service, 5 Days	<i>\$5,000.00</i>	\$5,000.00	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 - Negotiation of lease and other matters for shared locations	\$4,210.00	\$2,000.00	N/A	\$370.00	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	\$196.50	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	\$3,100.00	see Estimated Cost Justification WSVF-530- RF Eng CP v0	\$3,100.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$6,037.50	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	\$148.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A

Project management of the transition	\$112,338.00	\$108,150.00	Please see Widelity Strategic Support Quote	\$90,734.00	N/A
Sub-total	\$152,258.00	\$144,000.00	N/A	\$100,586.00	N/A
Total for all systems	\$1,345,283.73	\$721,478.60	N/A	\$470,267.79	N/A

Components

Actual Information	
Description	File Name
Prepare request for Special Temporary Authorization	Information not provided.
Additional Field Engineering Service, 5 Days	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees - Negotiation of lease and other matters for shared locations	<div> Component Description: </div> <div> Amount: </div> <div> Component Description: </div> <div> Amount: </div>
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	<div> Component Description: Professional services: complete and file Repack Application for WSVF-CD </div> <div> Amount: \$196.50 </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> Component Description: WSVF-530-RF Eng CP </div> <div> Amount: \$775.00 </div> <div> Component Description: Consulting Engineer </div> <div> Amount: \$1,300.00 </div> <div> Component Description: Perform engineering and develop exhibits for CP application </div> <div> Amount: \$1,025.00 </div>
Perform engineering study for new channel assignment and antenna development	<div> Component Description: Regarding recently constructed repack Ch-36 </div> <div> Amount: \$225.00 </div> <div> Component Description: Provide NRAO Quiet Zone interference office with specifications of substitute directional antenna </div> <div> Amount: \$550.00 </div>

Component Description:	Engineer consult
Amount:	\$250.00

Component Description:	Regarding planned antenna for repack Ch-36
Amount:	\$975.00

Component Description:	Engineering for statement of consent application /new channel study
Amount:	\$1,562.50

Component Description:	Review correspondence re: predicted interference to 11 GHz microwave system from Rural Broadband application, facilitate interference analysis, discuss with counsel, assist with prep of objections.
Amount:	\$687.50

Component Description:	Consulting Engineer - J. Davis
Amount:	\$775.00

	Component Description:	Respond to query from NRAO Quiet Zone interference office for add'l detail of 11.4 kW 90 day facility. On receipt from NRAO, prepare amendment to pending 90 day FCC CP application.
	Amount:	\$437.50
	Component Description:	Perform engineering study for new channel assignment
	Amount:	\$250.00
	Component Description:	Perform engineering study for new channel assignment
	Amount:	\$325.00
Address transition timing and coordination issues w/ other stations and wireless	Component Description:	WSVF-510-Transition Timing and Coordination
	Amount:	\$148.00
Prepare and or review reimbursement form	Information not provided.	
Project management of the transition	Component Description:	Project Management
	Amount:	\$4,323.05

Component Description:	Project Management
Amount:	\$1,958.85

Component Description:	Project Management
Amount:	\$1,697.55

Component Description:	Project Management
Amount:	\$1,698.10

Component Description:	Project Management
Amount:	\$1,743.75

Component Description:	Project Management
Amount:	\$1,995.75

Component Description:	Project Management
Amount:	\$2,324.40

Component Description:	Project Management
Amount:	\$2,235.90

Component Description:	Project Management
Amount:	\$1,782.20

Component Description:	Project Management
Amount:	\$2,129.80

Component Description:	Project Management
Amount:	\$5,146.20

Component Description:	Project Management
Amount:	\$2,316.30

Component Description:	Project Management
Amount:	\$2,405.00

Component Description:	Project Management
Amount:	\$3,093.25

Component Description:	Project Management
Amount:	\$733.30

Component Description:	2830.9
Amount:	\$2,830.90

Component Description:	Project management
Amount:	\$2,614.40

Component Description:	Project Management
Amount:	\$1,328.55

Component Description:	Project Management
Amount:	\$2,233.15

Component Description:	Project Management
Amount:	\$2,017.75

Component Description:	Project Management
Amount:	\$2,176.30

Component Description:	Project Management
Amount:	\$2,904.40

Component Description:	Cost Reconciliation
Amount:	\$2,450.45

Component Description:	Project Management
Amount:	\$1,907.30

Component Description:	Project Management
Amount:	\$802.25

Component Description:	Project Management
Amount:	\$1,863.20

Component Description:	Project Management
Amount:	\$1,978.20

Component Description:	Project Management
Amount:	\$4,376.00

Component Description:	Project Management
Amount:	\$1,821.95

Component Description:	Project management
Amount:	\$2,592.65

Component Description:	Project Management
Amount:	\$2,067.45

Component Description:	Project Management
Amount:	\$2,048.35

Component Description:	Project Management
Amount:	\$2,498.65

Component Description:	Project Management
Amount:	\$3,555.15

Component Description:	Project Management
Amount:	\$2,406.05

Component Description:	Project Management
Amount:	\$988.95

Component Description:	Project Management
Amount:	\$28.20

Component Description:	Transition Related Project Management Costs
Amount:	\$1,500.00

Component Description:	Project Management
Amount:	\$2,262.90

Component Description:	Project Management
Amount:	\$1,938.10

Component Description:	Project Management
Amount:	\$1,959.35

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	\$33,080.00	\$24,280.00		\$5,090.00	
DTV Medical Facility Notification	\$11,550.00	\$2,755.00	N/A	\$2,755.00	N/A
MVPD Notification of Channel Change	<i>\$2,000.00</i>	\$2,000.00	see Estimated Cost Justification WSVF-610-MVPD Notifications v0	\$2,000.00	N/A
Develop and air announcement of upcoming channel change	<i>\$3,000.00</i>	\$3,000.00	N/A	N/A	N/A
Equipment Storage	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Non-zoning permits	<i>\$6,000.00</i>	\$6,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A

FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$335.00	see Estimated Cost Justification WSVF-610-License to Cover FCC Filing Fees v0	\$335.00	N/A
Sub-total	\$33,080.00	\$24,280.00	N/A	\$5,090.00	N/A
Total for all systems	\$1,345,283.73	\$721,478.60	N/A	\$470,267.79	N/A

Components

Actual Information	
Description	File Name
DTV Medical Facility Notification	<p>Component Description: Mailing: Print and mail</p> <p>Amount: \$2,755.00</p>
MVPD Notification of Channel Change	<p>Component Description: Total Professional Services</p> <p>Amount: \$2,000.00</p>
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.
Equipment Delivery and Handling Charges	Information not provided.
Non-zoning permits	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.

FCC Filing Fees - Form
2100 license to cover
application

Component Description:

WSVF-610-
License to Cover
FCC Filing Fees
\$335.00

Amount:

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$1,345,283.73	\$721,478.60
			\$470,267.79

Reimbursement Status	Question	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	<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>Robert Folliard , III . <i>Assistant Secretary</i></p> <p>08/11/2020</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"> 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>Robert Folliard , III . <i>Assistant Secretary</i></p> <p>08/11/2020</p>

Attachments