

Federal Commu Commi

Channel:
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Applicant Name, Type, and Contact Information

Applicant 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 Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Name and Information Preparer

Contact Information	Applicant	Address	Phone	Email
	Samuel Hariton Widelity	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 and transmission line, retuning the main transmitter, and installing an interim transmitter while the main transmitter is being retuned.

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

Primary Existing Transmitter Information

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Transmitte	E

smitter	Section	Question	Response
	Existing Transmitter Description	Type of change	Retune Existing
		Use	Primary (Main)
		Ownership	Owned
		Owner	N/A
		Is this transmitter currently shared with another station?	No
		Is this transmitter currently in operating condition?	Yes
	Existing Transmitter	Manufacturer	Harris
	Manufacturer and Type	Model	UAX2000

Year	2013
Туре	Solid State
Solid State Cooling	Air Cooled
Solid State Power capacity	2.2 kW

Primary Transmitter Section

Section	Question	Response	
New IOT Tubes	Number of Tubes (including accessories) needed	N/A	
New Mask Filter	Power	Other	
	Other Power	2.5 kW	
New Exciter	Is a new exciter needed?	No	

Primary Other Transmitter Costs

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er Sec	tion	Question	Response
Ele	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
HV	AC Service	Does the replacement transmitter require HVAC Service?	No
		Туре	N/A
			1

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

Primary Other Transmitter Cost Not Listed

Transmitter Information not provided.

Interim New Transmitter Costs

Transmitter	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	Other Transmitter Costs			
Transmitter	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	
		Туре	N/A	
	Transmitter Building Addition/Modification or Leasehold Improvement	Size	N/A	
		Other Size	N/A	
		Does the Transmitter Building require an addition, modification, other leashold improvement?	No	
		Size	N/A	
	Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A	

	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	No

Interim	Other Transmitter Cost Not Listed		
Transmitter	Name	Description	
	HVAC	Additional HVAC for interim transmitter	

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

Primary	Existing Antenna Information			
Antenna	Section	Question	Response	
	Existing Antenna Description	Type of change	Purchase New	
		Antenna Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
		Is the existing antenna shared with another station or stations?	No	
		Is the existing antenna directional?	Yes	
		Is antenna in operating condition?	Yes	
		Is antenna located on or in close proximity to an antenna farm?	Yes	
	Existing Antenna	Class	Class A	
	Manufacturer and Type	Mounting	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels	N/A	
		Design power capacity in use	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	13.0 kW	

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

Primary	New Antenna Costs			
Antenna	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?	Yes	
	New Antenna Manufacturer and Types	Class	Class A	
		Mounting	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels/Bays	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Design power capacity in use	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	13.0 kW	
		Manufacturer		
		Model	AL80-36	

Year
Justification for New Antenna

Primary	Other Antenna Costs			
Antenna	Section	Question	Response	
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No	
		Туре		
		Number of channels supported	N/A	
		Frequencies of channels supported	N/A	
		Frequency	N/A	
		Do you need a combiner output splitter /switcher for dual feed lines?	N/A	
	Elbow Complex	Do you require the separate purchase of the Elbow Complex?	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?	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?	No	

Other Antenna Costs

Primary Antenna Other Antenna Cost Not Listed

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

Add Transmission Line Transmission Line

nsmissio	n 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	Manufacturer	Andrew
	Line Manufacturer and Type	Туре	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

Other Transmission Line Expenses Not Listed Transmission to provided.

Primary	Existing Transmission Line			
Transmissio	n 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	Andrew	
		Туре	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	

Other Transmission Line Expenses Not Listed Transmission to provided.

Interim Transmissio	New Transmission Line		
	n Line Section	Question	Response
	New Transmission Line Costs	Use	Interim
		Description of Use	N/A
		Change Type	Purchase New
		Туре	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.

Other Transmission Line Expenses Not Listed Transmission

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

Primary	Existing Tower

Primary	-		
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)	No
		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
	Registration	ASR Number	
	Coordinates (NAD83 (North American Datum of	Latitude (NAD83)	38° 23' 34.4" N-
	1983))	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

Other Types of Users

Users

misc unlicensed

Emergency Radio

WVIR TV Trans

Primary Tower Modification Costs

Tower

Tower

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 Rigging Costs

SectionQuestionResponseTower Rigging CostsComplex TowerCandelabraHelicopter Services
RequiredAre helicopter services required?No

Other Tower Expenses Not Listed

Primary	C
Tower	r

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

Outside	Section	Question	Response
Professional	Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	712
		Explanation	Strategic Support
	Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
		Prepare engineering section of Form FCC Construction Permit Application	Yes
		For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare engineering section of Form FCC License to Cover Application	Yes
		For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare request for Special Temporary Authority	Yes
		Quantity	1
		Do you have Distributed Transmission System engineering services?	N/A
		Critical Facility	N/A
		Terrain-Shielded Facility	N/A
	Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
	Services	For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare and file Form FCC License to Cover Application	Yes
		For Auxiliary Facility	No
		For Main Facility	Yes

	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	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 roopstsided.

Other	Section	Question	Response
Expenses	AM Pattern Disturbance	Is an Impact Study needed?	No
		Is Remediation needed?	No
	Facility Expenses	Name	N/A
		Other Distributed Transmission System Expenses Not listed	N/A
		Name	N/A
		Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
	Permit and Filing Costs	Local Zoning	No
		Non-zoning permits	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 Not Listed

Expenses Information not provided.

Transmitters

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmitter UAXT-3R37	\$136,000.00	\$57,664.00		\$0.00	
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$126,000.00	\$47,664.00	Rental while the transmitter is being retuned	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.	\$5,000.00	\$5,000.00	N/A	N/A	N/A
HVAC	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Primary Transmitter UAX2000	\$110,556.70	\$17,556.60		\$0.00	
UHF and VHF - minor banding issues	\$105,200.00	\$12,199.90	N/A	N/A	N/A

Other 2.5 kW mask filter	\$5,356.70	\$5,356.70	See attached GatesAir quote GA- 00022587	N/A	N/A
Sub-total	\$246,556.70	\$75,220.60	N/A	\$0.00	N/A
Total for all systems	\$1,083,584.70	\$515,584.60	N/A	\$41,858.25	N/A

Components

Antennas

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna AL80-36	\$26,300.00	\$3,840.00		\$0.00	
UHF - Lower Power Side Mount, Class A One Station antenna basic	\$26,300.00	\$3,840.00	N/A	N/A	N/A
Sub-total	\$26,300.00	\$3,840.00	N/A	\$0.00	N/A
Total for all systems	\$1,083,584.70	\$515,584.60	N/A	\$41,858.25	N/A

Components

Transmission Line

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$7,872.00	\$7,544.00		\$0.00	
Flexible Foam Transmission Line - dielectric, 1 5 /8"	\$7,872.00	\$7,544.00	N/A	N/A	N/A
Primary Transmission Line	\$0.00	\$0.00		\$0.00	
Primary Transmission Line	\$0.00	\$0.00		\$0.00	
Sub-total	\$7,872.00	\$7,544.00	N/A	\$0.00	N/A
Total for all systems	\$1,083,584.70	\$515,584.60	N/A	\$41,858.25	N/A

Components

Tower Equipment and Rigging Costs

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$618,160.00	\$262,960.00		\$0.00	
Moving Equipment	\$26,560.00	\$26,560.00	See attached Shenandoah Tower quote B17-1358	N/A	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$6,400.00	N/A	N/A	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$80,000.00	Short tower with candelabra on top	N/A	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	N/A	N/A
Sub-total	\$618,160.00	\$262,960.00	N/A	\$0.00	N/A
Total for all systems	\$1,083,584.70	\$515,584.60	N/A	\$41,858.25	N/A

Components

Outside Professional Services

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$152,416.00	\$142,550.00		\$41,858.25	
Project management of the transition	\$112,496.00	\$106,800.00	N/A	\$36,824.25	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	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
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$3,812.50	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,025.00	N/A

Prepare engineering section of FCC Form 2100 (main), License to Cover Application\$1,580.00\$1,500.00N/AN/AN/APrepare request for Special Temporary Authorization\$2,050.00\$1,500.00N/AN/AN/AAtorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application\$5,260.00\$5,000.00N/A\$196.50N/AAttorney Fees - Prepare and File FCC Form 2100 (main), Construction\$2,365.00\$2,250.00N/AN/AN/AAttorney Fees - Repare and File FCC Form 2100 (main), Construction\$2,365.00\$2,250.00N/AN/AN/AAttorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application\$2,365.00\$2,200.00N/AN/AN/AAttorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application\$2,360.00\$2,000.00N/AN/AN/AAttorney Fees - Prepare and File request for shared Iccations\$3,680.00\$3,500.00N/AN/AN/AAttorney Fees - Prepare and File request renporary Authorization\$5,000.00N/AN/AN/AAttorney Fees - Prepare and File request renporary Authorization\$5,000.00N/AN/AN/AAttorney Fees - Prepare and File request renporary Authorization\$5,000.00N/AN/AN/A						
request for Special Temporary Authorization\$5,260.00\$5,000.00N/A\$196.50N/AAttorney Fees Prepare and File FCC Form 2100 (main), Construction Permit Application\$2,365.00\$2,250.00N/AN/AN/AAttorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application\$2,365.00\$2,250.00N/AN/AN/AAttorney Fees - Prepare and file FCC Form 2100 (main), License to Cover Application\$4,210.00\$2,000.00N/AN/AN/AAttorney Fees - Prepare and File request for shared locations\$4,210.00\$2,000.00N/AN/AN/AAttorney Fees - Prepare and File request for Special Temporary Authorization\$4,210.00\$2,000.00N/AN/AN/AAttorney Fees - Prepare and File request for Special Temporary Authorization\$3,680.00\$3,500.00N/AN/AN/AAdditional Fileid Engineering Service, 5\$5,000.00N/AN/AN/A	engineering section of FCC Form 2100 (main), License to Cover	\$1,580.00	\$1,500.00	N/A	N/A	N/A
- Prepare and File FCC Form 2100 (main), Construction Permit Application\$2,365.00\$2,250.00N/AN/AN/AAttorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application\$2,365.00\$2,250.00N/AN/AN/AAttorney Fees - Negotiation of lease and other matters for shared 	request for Special Temporary	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Prepare and File FCC Form 2100 (main), License to Cover Application\$4,210.00\$2,000.00N/AN/AN/AAttorney Fees of lease and 	- Prepare and File FCC Form 2100 (main), Construction Permit	\$5,260.00	\$5,000.00	N/A	\$196.50	N/A
 Negotiation of lease and other matters for shared locations Attorney Fees - Prepare and File request for Special Temporary Authorization \$3,680.00 \$3,500.00 N/A N/A<!--</td--><td>Prepare and File FCC Form 2100 (main), License to Cover</td><td>\$2,365.00</td><td>\$2,250.00</td><td>N/A</td><td>N/A</td><td>N/A</td>	Prepare and File FCC Form 2100 (main), License to Cover	\$2,365.00	\$2,250.00	N/A	N/A	N/A
- Prepare and File request for Special Temporary Authorization Additional Field Engineering Service, 5	- Negotiation of lease and other matters for shared	\$4,210.00	\$2,000.00	N/A	N/A	N/A
Field Image: Comparison of the second of t	- Prepare and File request for Special Temporary	\$3,680.00	\$3,500.00	N/A	N/A	N/A
	Field Engineering Service, 5	\$5,000.00	\$5,000.00	N/A	N/A	N/A

Sub-total	\$152,416.00	\$142,550.00	N/A	\$41,858.25	N/A
Total for all systems	\$1,083,584.70	\$515,584.60	N/A	\$41,858.25	N/A

Components

Actual Information Description	File Name	
Project management of the transition	Component Description: Amount:	Project management \$2,614.40
	Component Description: Amount:	Project Management \$1,328.55
	Component Description: Amount:	Project Management \$1,743.75
	Component Description: Amount:	Project Management \$1,938.10
	Component Description: Amount:	Project Management \$1,907.30
	Component Description: Amount:	Project Management \$2,067.45
	Component Description: Amount:	Project management \$2,592.65

Component Description: Project Management \$2,406.05 Amount: **Component Description:** Project Management Amount: \$2,176.30 **Component Description:** Project Management Amount: \$28.20 **Component Description:** Project Management \$2,498.65 Amount: **Component Description:** Project Management Amount: \$802.25 **Component Description:** Project Management Amount: \$733.30 **Component Description:** Project Management Amount: \$988.95 **Component Description:** Project Management \$2,017.75 Amount: **Component Description:** Project Management Amount: \$1,698.10

	Component Description: Amount:	Project Management \$1,958.85
	Component Description: Amount:	Project Management \$2,262.90
	Component Description: Amount:	Project Management \$1,697.55
	Component Description: Amount:	Transition Related Project Management Costs \$1,500.00
	Component Description: Amount:	Project Management \$1,863.20
Prepare and or review reimbursement form	Information not provided.	
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Perform engineering study for new channel assignment and antenna development	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. \$437.50

Component Description: Amount:	Provide NRAO Quiet Zone interference office with specifications of substitute directional antenna \$550.00
Component Description: Amount:	Perform engineering study for new channel assignment \$250.00
Component Description: Amount:	Engineering for statement of consent application /new channel study \$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:	Perform engineering study for new channel assignment
Amount:	assignment \$325.00

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Perform engineering and develop exhibits fo CP application \$1,025.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Professional services: complete and file Repack Application for WSVF-CD \$196.50
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Additional Field Engineering Service, 5 Days	Information not provided.	

Other Expenses

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$32,280.00	\$23,470.00		\$0.00	
MVPD Notification of Channel Change	\$1,200.00	\$1,200.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	\$3,000.00	\$3,000.00	N/A	N/A	N/A
Equipment Storage	\$5,000.00	\$5,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$2,755.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Non-zoning permits	\$6,000.00	\$6,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$5,000.00	\$5,000.00	N/A	N/A	N/A

Sub-total	\$32,280.00	\$23,470.00	N/A	\$0.00	N/A
Total for all systems	\$1,083,584.70	\$515,584.60	N/A	\$41,858.25	N/A

Components

Cost	Grand Total					
Information		Predetermined Cost Estimate	Estimated Cost	Actual Cost		
	Total for all systems	\$1,083,584.70	\$515,584.60	\$41,858.25		

Reimbursem	entestiatus	Response
	The facility has ceased operating on its pre- auction channel.	No
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
		 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. 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).
- The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
- 7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
I declare, under penalty of perjury, that I am an authorized representative of the above- named applicant for the Authorization(s) specified above.	Robert Folliard Assistant Secretary 02/04/2019

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		 The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 	
		2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.	
		3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

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

	The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
an au name	are, under penalty of perjury, that I am thorized representative of the above- d applicant for the Authorization(s) ied above.	Robert Folliard Assistant Secretary
		02/04/2019

Attachments