

Federal Communications Commission

(REFERENCE	COPY	- Not for	submission)

FCC Form 399: Reimbursement Request

Facility ID: File	73706 000002	Service: DTV 8482	Call Sign:	KSHV-TV	Channel: 16 (UHF)	
Number:						
FRN: 00	09961889	Date	05/05			
		Submitted:	/2021			

Applicant Name, Type, and Contact Information

Information Applicant Applicant Address Phone Email Туре WHITE KNIGHT Anthony +1 tmalara@americanstaffing. Corporation **BROADCASTING OF** J. (703) net SHREVEPORT 870-Malara, LICENSE CORP. Ш 7584 3316 Willow Glen Drive OAK HILL, VA 20171 United States

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer	Preparer Contact Name and Information				
Contact Information	Applicant	Address	Phone	Email	
	The Preparer is same as the reimbursement contact.				

Broadcaster	Question	Response
Information and Transition Plan	Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
	Briefly describe transition plan	Replace transmitter, antenna and line. Acquire interim antenna and line for continued operation during construction and duration of the assigned phase. Map and analyze tower; design and implement modifications if required. See attached.

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

Primary	Existing Transmitter Information				
Transmitter	Section	Question	Response		
	Existing Transmitter Description	Type of change	Purchase New		
		Use	Primary (Main)		
		Description of Use	N/A		
		Ownership	Owned		
	-	Owner	N/A		
		Site	N/A		
		Is this transmitter currently shared with another station?	No		
		Is this transmitter currently in operating condition?	Yes		
	Existing Transmitter	Manufacturer			
	Manufacturer and Type	Model	QXD1		
		Year	2001		
		Туре	Inductive Output Tube		
		IOT Power Type	Single		
		Power Capacity	30 kW		

Existing Transmitter Information

Primary	New Transmitter Costs				
Transmitter	Section	Question	Response		
	New Transmitter	Use	Primary (Main)		
		Change Type	Purchase New		
		Is this a request for upgraded equipment?	Yes		
		Manufacturer			
		Model	THU9EVO-8		
		Transmitter Type	Solid State		
		Solid State Cooling	Liquid Cooled		
		Solid State Power capacity	15.5 kW		
		Justification for New Transmitter	The manufacturer of the existing transmitter is out of business and no factory support is available for the existing transmitter. Upgrade to a SS at one power step higher than required. TPO is 10kW PRE FILTER, need 13kW plus 1 step becomes a 15.5kW.		

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			
	Туре	N/A			
	Size	N/A			
	Other Size	N/A			
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No			
	Size	N/A			
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A			
	Is a channel 14 Mask Filer needed?	N/A			
	Is additional field engineering time needed?	N/A			
	Number of Days	N/A			
	Section Electrical Service HVAC Service Transmitter Building Addition/Modification or Leasehold Improvement	SectionQuestionElectrical ServiceService Entrance (3 phases 800A 208V)Switchgear (industrial 800 amp)Transformer (480V)PowerRigid Conduit and WiringSizeLengthOther Electrical ServiceDescriptionHVAC ServiceTypeSizeSizeCother SizeOther SizeTypeSize			

Primary	Other Transmitter Cost Not Listed		
Transmitter	Name	Description	
	Additional Interior RF System	Interior RF System Existing Transmitter to Interim Transmission line	

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

Primary	Existing Antenna Information				
Antenna	Section	Question	Response		
	Existing Antenna Description	Type of change	Purchase New		
		Antenna Use	Primary (Main)		
		Description of Use	N/A		
		Ownership	Owned		
		Owner	N/A		
		Site	N/A		
		Is the existing antenna shared with another station or stations?	No		
		Is the existing antenna directional?	Yes		
		Is antenna in operating condition?	Yes		
		Is antenna located on or in close proximity to an antenna farm?	No		
	Existing Antenna	Class	Full Power		
	Manufacturer and Type	Mounting	Side Mount		
		Antenna position in stack	Not in Stack		
		Polarization	Elliptical		
		Туре	Other		
		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	Travelling Wave		
		ERP: (Effective Radiated Power)	500.0 kW		

	Manufacturer	
	Model	ATW27H3- ESP1U-45M
	Year	2007

Antenna	Section	Question	Response
	New Antenna	Use	Primary (Main
	Description	Description of Use	N/A
		Change Type	Purchase Nev
		Is this a request for upgraded equipment?	Yes
		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	Class	Full Power
	Manufacturer and Typ	es Mounting	Side Mount
		Antenna position in stack	Not in Stack
		Polarization	Elliptical
		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)	301.0 kW
		Manufacturer	
		Model	TFU-30DSC /VP-R P220

Year	2018
Justification for New Antenna	The existing primary antenna is a single channel travelling wave which cannot accommodate the assigned channel.

Other Antenna Costs

Primary Antenna

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	8 3/16 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power 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
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Primary	Other Antenna Cost Not Listed		
Antenna	Name	Description	
	Additional Antenna Costs	Additional Antenna Costs	

Antenna	Section New Antenna Description	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	Elliptical
		Туре	Broadband Panel
		Number of Stations Supported	1
		Number of Panels/Bays	4
		Lower Limit	485.00 MHz
		Upper Limit	653.00 MHz
		Design power capacity in use	100.0 %
		Other Antenna Type	N/A
		ERP: (Effective Radiated Power)	500.0 kW
		Manufacturer	
		Model	TUA-P4-4 /10H-1 SM
		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.
	acqu

Interim Other Antenna Costs

Antenna

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Interim Other Antenna Cost Not Listed

Antenna Information not provided.

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

ransmissio	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	
		Туре	Rigid
		Diameter	8 3/16 inches
		Other Diameter	N/A
		Segment Length	20 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	1650 feet per run

Primary Existing Transmission Line

Primary	New Transmission Line			
Transmissio	n 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	
		Туре	Rigid	
		Diameter	8 3/16 inches	
		Other Diameter	N/A	
		Segment Length	19 1/2 inches	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	1680 feet per run	
		Justification for New Transmission Line	Existing section lengths are not the ones recommended for channel 16. Station will sweep the line and reuse if it checks out good	

Primary Other Transmission Line Expenses Not Listed

Transmission	n Line	Description	
	Additional Transmission Line Components	Additional Transmission Line Components	

Interim	New Transmission Line		
Transmissio	n Line Section	Question	Response
	New Transmission Line Costs	Use	Interim
		Description of Use	N/A
		Change Type	Purchase New
		Туре	Flexible Air
		Diameter	5 inches
		Segment Length	N/A
		Other Segment Length	
		Number of parallel runs	1
		Length	1580 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.

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

marv	Existing	Tower
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Primary	Existing Tower			
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?		
		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	No	
		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	1022487	
	Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	32° 39' 58.5" N-	
		Longitude (NAD83)	093° 56' 00.7" W-	
		Overall Structure Height	1784.10 feet	
		Support Structure Height	1725.70 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	265.09 feet	

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Pinnacle Towers LLC
Date Constructed	09/07/1985

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
12525	KMSS-TV	DTV

Primary Tower Modification Costs

Tower

Tower

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

Primary Tower Rigging Costs

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

Primary Tower	Other Tower Expenses Not Listed		
	Name	Description	
	Structural Analysis and Mod Design	Identify required tower modifications and costs	
	Geotechnical Study	Identify required tower foundation modifications	
	Labor	Tower and Foundation Modifications Labor	
	Crane Expenses	Tower and Foundation Modifications also require a crane, crane rigging and crane permits.	

Outside Professional	Section	Question	Response
	I Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	1000
		Explanation	It will be necessary to schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399. Station does not have available personnel or personnel trained in project management for such complex projects.
	Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
		Prepare engineering section of Form FCC Construction Permit Application	Yes
		For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare engineering section of Form FCC License to Cover Application	Yes
		For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare request for Special Temporary Authority	Yes

	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	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	20
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.

Other Professional Services Expenses Not Listed Professional Services roostsided.

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	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	Other Expenses Not Listed			
Expenses	Name	Description		
	Sales Tax	Sales and use tax on goods and services		

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 Justificatior
Primary Transmitter THU9EVO-8	\$904,699.00	\$568,749.00		\$390,848.37	
Additional Transmitter Costs	\$11,749.00	\$11,749.00	See Rohde & Schwarz quote 171827.0	\$0.00	N/A
Additional Interior RF System	\$140,000.00	\$140,000.00	N/A	N/A	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	\$3,345.00	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,900.00	N/A	\$24,900.00	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$349,950.00	Since the upgraded SS transmitter is less than a one tube IOT equivalent. Reimbursement cost estimate is set at the price of the SS upgrade. Revised downward to R&S quote SQ169124.1 price 349,950	\$325,453.37	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$37,150.00	N/A	\$37,150.00	N/A

Sub-total	\$904,699.00	\$568,749.00	N/A	\$390,848.37	N/A
Total for all systems	\$5,157,725.39	\$3,981,750.46	N/A	\$3,209,596.22	N/A

Components

Actual Information Description	File Name	
Additional Transmitter Costs	Component Description:	Additional
		transmitter components
	Amount:	\$11,749.00
Additional Interior RF System	Information not provided.	
3" Rigid Conduit and Wiring (Cost per foot)	Component Description:	Transmitter
		electrical services
	Amount:	\$3,345.00
Transformer 3 phase/480v - 150 KVA		
150 KVA	Component Description:	Transmitter
	Amount:	electrical services \$24,900.00
	Amount.	ψ24,300.00

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20		
kW	Component Description:	Credit for installation
		services not
		provided
	Amount:	(\$24,496.63)
		(* , ,
	Component Description:	Transmitter,
		installment #2
	Amount:	\$174,975.00
	Component Description:	Transmitter,
	Component Description.	installment #3
	Amount:	\$87,487.50
	Component Description:	Transmitter, 25%
		down payment
	Amount:	\$87,487.50
	Component Description:	Credit for
		installation
		services not
		provided by R&S
	Amount:	(\$23,750.00)
Switchgear - industrial 800		
amp	Component Description:	Transmitter
		electrical services
	Amount:	\$37,150.00

Antennas

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TUA-P4-4 /10H-1 SM	\$142,265.00	\$130,968.00		\$124,146.00	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,120.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$12,623.00	See attached Dielectric quote (Quote Number 700441CMZ- 1)	\$12,623.00	N/A
UHF - High Power, Side Mount, broadband panel, 4 bay,, 500 kW input, directional,, elliptically or circularly polarized	\$94,825.00	\$94,825.00	See attached Dielectric quote (Quote Number 700441CMZ- 1)	\$94,825.00	N/A

Sweep test of existing antenna	\$6,730.00	\$6,400.00	See attached Dielectric quote (Quote Number 700441CMZ- 1)	\$6,400.00	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$12,000.00	N/A	\$10,298.00	N/A
Primary Antenna TFU-30DSC /VP-R P220	\$278,400.00	\$208,888.00		\$203,618.00	
Additional Antenna Costs	\$1,010.00	\$1,010.00	See related invoices	\$1,010.00	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,120.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	\$15,250.00	\$13,583.00	See attached Dielectric quote (Quote Number DMS111-4)	\$13,583.00	N/A

UHF - Lower Power Side Mount, One station antenna 200-500 kW, elliptically or circularly polarized	\$227,000.00	\$160,875.00	See attached Dielectric quote (Quote Number DMS111-4), estimated cost reduced by 23,250 vpol which is upgrade and not reimbursable	\$160,875.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,550.00	N/A	\$6,400.00	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$21,750.00	See attached Dielectric quote (Quote Number DMS111-4)	\$21,750.00	N/A
Sub-total	\$420,665.00	\$339,856.00	N/A	\$327,764.00	N/A
Total for all systems	\$5,157,725.39	\$3,981,750.46	N/A	\$3,209,596.22	N/A

Components

Actual Information Description	File Name
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)	Component Description:	Mounting brackets, 10%
2031)	Amount:	balance due \$1,262.30
	Component Description:	Mounting bracket, line 2 of invoice,
	Amount:	installment #1 \$5,680.35
	Component Description:	Mounting brackets, line 2 of invoice,
	Amount:	installment #2 \$5,680.35
UHF - High Power, Side Mount, broadband panel, 4 bay,, 500 kW input,	Component Description:	Aux antenna, 10%
directional,, elliptically or circularly polarized	Amount:	balance due \$9,482.50
	Component Description:	Aux antenna, line 1 of invoice,
	Amount:	installment #2 \$42,671.25
	Component Description:	Antenna component, line 1 of invoice,
	Amount:	installment #1 \$42,671.25
Sweep test of existing antenna	Component Description:	Sween test
	Component Description: Amount:	Sweep test \$6,400.00

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description:	Elbow complex, line 3 of invoice, installment #1
	Amount:	\$4,634.10
	Component Description:	Elbow complex, 10% balance due
	Amount:	\$1,029.80
	Component Description:	Elbow complex, line 3 of invoice, installment #2
	Amount:	\$4,634.10
Additional Antenna Costs		
	Component Description:	Additional antenna component
	Amount:	\$1,010.00
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	

Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	Component Description: Amount:	Elbow complex, balance due \$1,358.30
	Component Description: Amount:	See resubmission of corrected invoice (\$6,112.35)
	Component Description:	Elbow complex, line 4 of invoice, installment #1
	Amount:	\$6,112.35
	Component Description:	Elbow complex, installment #1, line 4 of invoice
	Amount:	\$6,112.35
	Component Description:	Elbow complex, installment #2, line 4 of invoice
	Amount:	4 of invoice \$6,112.35

UHF - Lower Power Side Mount, One station antenna		
200-500 kW, elliptically or	Component Description:	Main antenna, installment #1, line
circularly polarized		1 of invoice
	Amount:	\$72,393.75
	Component Description:	Primary antenna,
		installment #2, line
		1 of invoice
	Amount:	\$72,393.75
	Component Description:	Main antenna,
		balance due
	Amount:	\$16,087.50
	Component Description:	See resubmission
		of corrected invoice
	Amount:	(\$72,393.75)
	Component Description:	Antenna
	••••••••••••••••••••••	component, line 1
		of invoice,
		installment #1
	Amount:	\$72,393.75
Sweep test of existing		
antenna	Component Description:	Sweep test
	Amount:	\$6,400.00

high power antennas (if not included in antenna base	Component Description:	Side Mount Brackets,
cost)		balanced due
	Amount:	\$2,175.00
	Component Description:	Side mount
		brackets,
		installment #2, line
		3 of invoice
	Amount:	\$9,787.50
	Component Description:	See resubmission
		of corrected invoice
	Amount:	(\$9,787.50)
	Component Description:	Side mount
		brackets,
		installment #1, line
		3 of invoice
	Amount:	\$9,787.50
	Component Description:	Side brackets, line
	component Description.	3 of invoice,
		installment #1
		\$9,787.50

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
Transmission Line	\$165,900.00	\$106,446.88		\$106,446.88	
Flexible Air Transmission Line - dielectric, 5"	\$165,900.00	\$106,446.88	See Dielectric quote 700441CMZ- 2.	\$106,446.88	N/A
Primary Transmission Line	\$590,460.00	\$372,990.75		\$372,897.25	
Additional Transmission Line Components	\$7,500.00	\$7,500.00	See Dielectric order confirmation 1696715	\$7,406.50	N/A
Rigid Transmission Line - copper, 8 3 /16"	\$582,960.00	\$365,490.75	See attached Dielectric quote (Quote Number DMS111-4)	\$365,490.75	N/A
Sub-total	\$756,360.00	\$479,437.63	N/A	\$479,344.13	N/A
Total for all systems	\$5,157,725.39	\$3,981,750.46	N/A	\$3,209,596.22	N/A

Components

Actual Information	
Description	File Name

Flexible Air Transmission Line - dielectric, 5"	Component Description: Amount:	Transmission line, 10% balance due \$10,644.68
	Component Description:	Flexible transmission line, line 4 of invoice,
	Amount:	installment #2 \$47,901.10
	Component Description:	Transmission line, line 4 of invoice, installment #1
	Amount:	\$47,901.10
Additional Transmission		
Line Components	Component Description:	Additional transmission line components
	Amount:	\$4,207.50
	Component Description:	Additional transmission line
	Amount:	components \$3,199.00

Component Description: Amount:	Transmission line, balance due \$19,575.00
Component Description: Amount:	See resubmission of corrected invoice (\$164,470.84)
Component Description: Amount:	Transmission line, balance due \$16,974.07
Component Description: Amount:	Transmission line, installment #2, line 5 of invoice \$164,470.84
Component Description: Amount:	Transmission line, installment #1, line 5 of invoice \$164,470.84
Component Description: Amount:	Transmission line, line 5 of invoice, installment #1 \$164,470.84
	Amount: Component Description: Amount: Component Description: Amount: Component Description: Amount: Component Description:

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	\$2,398,191.79	\$1,916,298.23		\$1,854,948.23	
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$25,600.00	N/A	\$14,250.00	N/A
Labor	\$619,607.50	\$619,607.50	See attached Crown Castle quote ("KSHV Tower & Foundation Mod Quote")	\$619,607.50	N/A
Structural Analysis and Mod Design	\$25,000.00	\$25,000.00	See attached Crown Castle tower mod design quote ("KSHV MOD Design Quote").	N/A	N/A
Geotechnical Study	\$25,000.00	\$25,000.00	N/A	N/A	N/A

Fotal for all systems	\$5,157,725.39	\$3,981,750.46	N/A	\$3,209,596.22	N/A
Sub-total	\$2,398,191.79	\$1,916,298.23	N/A	\$1,854,948.23	N/A
			tower.		
			Castle		
			the Crown		
			space on		
			leases		
			KSHV		
			Quote").		
antennas)					
stacked			Line		
and/or			Antenna &		
candelabras			("KSHV		
those with			quote		
example,			Castle		
(includes, for			Crown		
Tower			attached		
Complex -	\$421,000.00	\$345,216.23	See	\$345,216.23	N/A
	•	• • • •		• • • •	
			Quote")		
			Mod		
			Foundation		
			Tower &		
			("KSHV		
			quote		
			Castle		
			Crown		
Expenses			attached		
Crane	\$229,284.29	\$229,284.29	See	\$229,284.29	N/A
			Quote")		
			Mod		
			Foundation		
			Tower &		
			("KSHV		
			-		
			quote		
			Castle		
/modifications			Crown		
reinforcement			attached		

Components

Actual Information
Description File Name

Tower mapping for an undocumented/poorly documented tower and preparation of	Component Description:	Geotechnical report and foundation
documentation necessary for tower load study	Amount:	mapping \$10,000.00
	Component Description: Amount:	Structural analysis \$4,250.00
Labor	Component Description: Amount:	30% installment \$185,882.25
	Component Description: Amount:	50% down payment \$309,803.75
	Component Description: Amount:	Balance due \$123,921.50
Structural Analysis and Mod Design	Information not provided.	
Geotechnical Study	Information not provided.	

Serious tower reinforcement /modifications	Component Description:	Tower Modifications, 30%
	Amount:	installment \$193,977.06
	Component Description:	Tower Modifications,
	Amount:	balance due \$129,318.04
	Component Description: Amount:	50% down payment \$323,295.11
Crane Expenses	Component Description: Amount:	30% installment \$68,785.29
	Component Description: Amount:	50% down payment \$114,642.14
	Component Description: Amount:	Balance due \$45,856.86

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Component Description:	Tower equipment and rigging, balance due
	Amount:	\$138,086.49
	Component Description:	Tower Equipment and Rigging, 30% installment
	Amount:	\$103,564.87
	Component Description:	Tower Equipment and Rigging, installment #2
	Amount:	\$103,564.87

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	\$305,130.00	\$305,030.00		\$51,684.50	
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,050.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,050.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,585.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,095.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,305.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,120.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$4,500.00	See related invoices	\$4,500.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,535.00	N/A	\$625.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$5,500.00	See related invoices	\$5,500.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,170.00	N/A	\$7,000.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,560.00	N/A	N/A	N/A

Prepare and or review reimbursement form	\$2,630.00	\$2,560.00	N/A	\$2,500.00	N/A
Project management of the transition	\$158,000.00	\$154,000.00	N/A	\$31,559.50	N/A
Additional Field Engineering Service, 20 Days	\$108,000.00	\$108,000.00	N/A	N/A	N/A
Sub-total	\$305,130.00	\$305,030.00	N/A	\$51,684.50	N/A
Total for all systems	\$5,157,725.39	\$3,981,750.46	N/A	\$3,209,596.22	N/A

Components

Actual Information Description	File Name
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.
ASR modification (prepare FCC Form 854)	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees - Negotiation of lease and other matters for shared locations	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	Component Description:	STA to operate post transition facility using Dielectric TUA-P4-
	Amount:	4/10H-1 \$1,500.00
	Component Description: Amount:	STA, item 2 from invoice summary \$1,500.00
	Component Description: Amount:	Prepare STA \$1,500.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	License to Cover \$625.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	Prepare Engineering Portion of Amendment to
	Amount:	Construction Permit Application \$2,500.00
	Component Description: Amount:	Item 4 from invoice summary \$3,000.00
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	Item 3 from invoice summary \$7,000.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	

Prepare and or review reimbursement form	Component Description: Amount:	Item 2 from invoice summary \$2,500.00
Project management of the transition	Component Description:	Project management services 12.1.18
	Amount:	through 12.31.18 \$75.00
	Component Description:	Project management services, items 1,2 and 4 from invoice summary
	Amount:	\$525.00
	Component Description:	Project management services
	Amount:	\$1,499.00
	Component Description:	Project management services 10.27.18 through 11.30.18
	Amount:	\$5,625.00
	Component Description:	Project management services
	Amount:	\$7,720.00
	Component Description:	Project management services November 2018
	Amount:	\$200.00

Component Description: Amount:	Project management services 7.27.19 through 8.30.19 \$79.00
Component Description: Amount:	Project management services 3.2.19 through 3.29.19 \$150.00
Component Description: Amount:	Project management services February 2019 \$39.00
Component Description: Amount:	Project management services 4.27.19 through 5.31.19 \$150.00
Component Description: Amount:	Project management services, item 3 from invoice summary \$150.00
Component Description: Amount:	Project management services, item 1 from invoice summary \$675.00

Component Description: Amount:	Project management services October 2018 \$200.00
Component Description: Amount:	Project management services April 2019 \$208.00
Component Description: Amount:	Project management services \$1,595.00
Component Description: Amount:	Item 6 from invoice summary \$150.00
Component Description: Amount:	Project management services 5.26.18 through 6.29.18 \$1,800.00
Component Description: Amount:	Item 9 from invoice summary \$1,133.00
Component Description: Amount:	Project management services 9.29.18 through 10.26.18 \$150.00

Component Description: Amount:	Project management services \$7,720.00
Component Description: Amount:	Item 5 from invoice summary \$300.00
Component Description: Amount:	Item 7 from invoice summary \$150.00
Component Description: Amount:	Project management services 5.27.17 through 5.25.18; item 1 from invoice summary \$4,275.00
Component Description: Amount:	Project management services March 2019 \$71.50
Component Description: Amount:	Project management services 7.28.18 through 9.28.18 \$4,125.00
Component Description: Amount:	Project management services 6.30.18 through 7.27.18 \$450.00

	Component Description: Amount:	Project management services January 2019 \$65.00
	Component Description:	Project management services
	Amount:	\$1,499.00
Additional Field Engineering Service, 20 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 C Justifica
Other Expenses	\$372,679.60	\$372,379.60		\$105,006.99	
Sales Tax	\$240,700.00	\$240,700.00	Sales and use tax on goods and services based on LA state rates.	\$29,597.91	N/A
MVPD Notification of Channel Change	\$2,929.60	\$2,929.60	See EST- 000885 from DTVNotification.	\$2,929.60	N/A
Develop and air announcement of upcoming channel change	\$3,500.00	\$3,500.00	Cost to develop and produce spots and crawls for viewer notification.	N/A	N/A
Equipment Storage	\$25,000.00	\$25,000.00	N/A	\$9,960.00	N/A
Equipment Delivery and Handling Charges	\$35,000.00	\$35,000.00	See Rohde & Schwarz quote 169827 and Dielectric invoices	\$33,519.48	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$29,000.00	\$29,000.00	See USA Commercial quote and Land Communications Dumpster rental	\$29,000.00	N/A
Non-zoning permits	\$25,000.00	\$25,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,250.00	N/A	N/A	N/A

Sub-total	\$372,679.60	\$372,379.60	N/A	\$105,006.99	N/A
Total for all systems	\$5,157,725.39	\$3,981,750.46	N/A	\$3,209,596.22	N/A

Components

Actual Information Description	File Name	
Sales Tax	Component Description:	Tax on additional transmitter
	Amount:	components \$1,063.29
	Component Description:	Tax due on transmitter
	Amount:	\$28,864.95
	Component Description:	Sales tax credit on installation services not provided
	Amount:	(\$746.63)
	Component Description:	Tax on transportation /consolidation services
	Amount:	\$732.96
MVPD Notification of Channel Change	Component Description:	Notification of
	Amount:	medical facilities \$2,929.60
Develop and air announcement of upcoming channel change	Information not provided.	

Equipment Storage		
	Component Description:	Main antenna
	A	storage costs
	Amount:	\$9,960.00
Equipment Delivery and		
Handling Charges	Component Description:	Main antenna
		freight costs
	Amount:	\$17,815.00
		Main antonna
	Component Description:	Main antenna
	Amount:	shipping cost
	Amount.	\$3,907.60
	Component Description:	Transmission line
		shipping
	Amount:	\$3,507.17
	Component Description:	Antenna shipping
		cost
	Amount:	\$190.71
	Component Description:	Transmitter
		transportation
		/consolidation
		services
	Amount:	\$8,099.00
Disposal Costs (for		
equipment and other waste,	Component Description:	Disposal costs
net of any salvage value)	Amount:	\$23,000.00
	Component Description:	Dumpster costs
	mpenent Booonption	related to
		transmitter
		electrical
	Amount:	\$6,000.00
Non-zoning permits	Information not provided.	

DTV Medical Facility	Information not provided.
Notification	

Cost	Grand Total			
Information		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$5,157,725.39	\$3,981,750.46	\$3,209,596.22

Reimbursem	enrestanus	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.	Toby Malara President 05/05/2021

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.

8.	The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.	
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.	
an au name	are, under penalty of perjury, that I am thorized representative of the above- d applicant for the Authorization(s) fied above.	Toby Malara President 05/05/2021

Attachments