Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **73706** | Service: **DTV** | Call Sign: **KSHV-TV** | Channel: **16 (UHF)**

File Number: **0000028482**

FRN: **0009961889** | Date Submitted: **10/08/2021**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
Nexstar Media Inc.	545 E. John Carpenter Freeway Suite 700 Irving, TX 75062 United States	+1 (972) 373-8000	eryder@nexstar.tv	Corporation

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
Elizabeth Ryder *General Counsel* *Nexstar Media Inc.*	Elizabeth Ryder 545 E. John Carpenter Freeway Suite 700 Irving, TX 75062 United States	+1 (972) 373-8800	eryder@nexstar.tv

Broadcaster Information and Transition Plan

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	Replace transmitter, 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 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	QXD1
	Year	2001
	Type	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	30 kW

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	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.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	100.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other 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 Transmitter

Other Transmitter Cost Not Listed

Name	Description
Additional Transmitter Costs	Additional Transmitter Costs

Additional Interior RF System	Interior RF System Existing Transmitter to Interim Transmission line

Antennas

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

Primary Antenna

Existing Antenna Information

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

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?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Side 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)	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.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	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

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
Additional Antenna Costs	Additional Antenna Costs

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	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.

Interim Antenna

Other Antenna Costs

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 Antenna

Other Antenna Cost Not Listed

Information not provided.

Transmission Line

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	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	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 Transmission Line

New 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	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 Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Additional Transmission Line Components	Additional Transmission Line Components

Interim Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Flexible Air
	Diameter	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.

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?	
	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

Tower Modification Costs

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

Primary Tower

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
Labor	Tower and Foundation Modifications Labor
Crane Expenses	Tower and Foundation Modifications also require a crane, crane rigging and crane permits.
Geotechnical Study	Identify required tower foundation modifications
Structural Analysis and Mod Design	Identify required tower modifications and costs

Outside Professional Services Costs

Section	Question	Response
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 Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	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.

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Information not 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	No
	FCC Special Temporary Authority Application	No
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses

Other Expenses Not Listed

Name	Description
Sales Tax	Sales and use tax on goods and services

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter THU9EVO-8	**$904,699.00**	**$568,749.00**		**$402,597.37**	
Additional Interior RF System	***$140,000.00***	$140,000.00	N/A	N/A	N/A
Additional Transmitter Costs	***$11,749.00***	$11,749.00	See Rohde & Schwarz quote 171827.0	$11,749.00	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	$402,597.37	N/A
Total for all systems	$5,043,025.39	$3,873,300.46	N/A	$3,326,234.98	N/A

Components

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

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

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna 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
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

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
Primary Antenna TFU-30DSC /VP-R P220	**$278,400.00**	**$215,138.00**		**$210,018.00**	
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
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

Sweep test of existing antenna	$6,730.00	$12,800.00	Transmission line sweep test was submitted to this category, plus final main antenna sweep test	$12,800.00	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
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
Sub-total	$420,665.00	$346,106.00	N/A	$334,164.00	N/A
Total for all systems	$5,043,025.39	$3,873,300.46	N/A	$3,326,234.98	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 bracket, line 2 of invoice, installment #1 **Amount:** $5,680.35 **Component Description:** Mounting brackets, 10% balance due **Amount:** $1,262.30 **Component Description:** Mounting brackets, line 2 of invoice, installment #2 **Amount:** $5,680.35
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

UHF - High Power, Side Mount, broadband panel, 4 bay,, 500 kW input, directional,, elliptically or circularly polarized	**Component Description:** **Amount:**	Antenna component, line 1 of invoice, installment #1 $42,671.25
	Component Description: **Amount:**	Aux antenna, line 1 of invoice, installment #2 $42,671.25
	Component Description: **Amount:**	Aux antenna, 10% balance due $9,482.50
Sweep test of existing antenna	**Component Description:** **Amount:**	Sweep test $6,400.00

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

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: **Amount:**	Elbow complex, installment #1, line 4 of invoice $6,112.35
	Component Description: **Amount:**	Elbow complex, line 4 of invoice, installment #1 $6,112.35
	Component Description: **Amount:**	Elbow complex, installment #2, line 4 of invoice $6,112.35
Sweep test of existing antenna	**Component Description:** **Amount:**	Main antenna sweep test $6,400.00
	Component Description: **Amount:**	Sweep test $6,400.00

UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized	**Component Description:** **Amount:**	Primary antenna, installment #2, line 1 of invoice $72,393.75
	Component Description: **Amount:**	Main antenna, installment #1, line 1 of invoice $72,393.75
	Component Description: **Amount:**	Main antenna, balance due $16,087.50
	Component Description: **Amount:**	See resubmission of corrected invoice ($72,393.75)
	Component Description: **Amount:**	Antenna component, line 1 of invoice, installment #1 $72,393.75
Additional Antenna Costs	**Component Description:** **Amount:**	Additional antenna component $1,010.00
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	**$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**	
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
Additional Transmission Line Components	***$7,500.00***	$7,500.00	See Dielectric order confirmation 1696715	$7,406.50	N/A
Sub-total	$756,360.00	$479,437.63	N/A	$479,344.13	N/A
Total for all systems	$5,043,025.39	$3,873,300.46	N/A	$3,326,234.98	N/A

Components

Actual Information Description	File Name

Flexible Air Transmission Line - dielectric, 5"	**Component Description:**	Transmission line, line 4 of invoice, installment #1
	Amount:	$47,901.10
	Component Description:	Flexible transmission line, line 4 of invoice, installment #2
	Amount:	$47,901.10
	Component Description:	Transmission line, 10% balance due
	Amount:	$10,644.68

Rigid Transmission Line - copper, 8 3/16"	**Component Description:**	Transmission line, balance due
	Amount:	$19,575.00
	Component Description:	Transmission line, line 5 of invoice, installment #1
	Amount:	$164,470.84
	Component Description:	Transmission line, balance due
	Amount:	$16,974.07
	Component Description:	Transmission line, installment #2, line 5 of invoice
	Amount:	$164,470.84
	Component Description:	See resubmission of corrected invoice
	Amount:	($164,470.84)
	Component Description:	Transmission line, installment #1, line 5 of invoice
	Amount:	$164,470.84
Additional Transmission Line Components	**Component Description:**	Additional transmission line components
	Amount:	$4,207.50
	Component Description:	Additional transmission line components
	Amount:	$3,199.00

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	**$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

Serious tower reinforcement /modifications	$1,052,000.00	$646,590.21	See attached Crown Castle quote ("KSHV Tower & Foundation Mod Quote")	$646,590.21	N/A
Crane Expenses	***$229,284.29***	$229,284.29	See attached Crown Castle quote ("KSHV Tower & Foundation Mod Quote")	$229,284.29	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	$421,000.00	$345,216.23	See attached Crown Castle quote ("KSHV Antenna & Line Installation Quote"). KSHV leases space on the Crown Castle tower.	$345,216.23	N/A
Sub-total	$2,398,191.79	$1,916,298.23	N/A	$1,854,948.23	N/A
Total for all systems	$5,043,025.39	$3,873,300.46	N/A	$3,326,234.98	N/A

Components

Actual Information Description	File Name

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

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

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

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	**$305,130.00**	**$305,030.00**		**$51,684.50**	
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
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
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
ASR modification (prepare FCC Form 854)	$2,105.00	$2,050.00	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	$5,043,025.39	$3,873,300.46	N/A	$3,326,234.98	N/A

Components

Actual Information Description	File Name	
Prepare and or review reimbursement form	**Component Description:** **Amount:**	Item 2 from invoice summary $2,500.00
Project management of the transition	**Component Description:** **Amount:**	Project management services, items 1,2 and 4 from invoice summary $525.00

Component Description:	Project management services
Amount:	$1,499.00
Component Description:	Project management services
Amount:	$7,720.00
Component Description:	Project management services November 2018
Amount:	$200.00
Component Description:	Project management services 7.27.19 through 8.30.19
Amount:	$79.00
Component Description:	Project management services 3.2.19 through 3.29.19
Amount:	$150.00
Component Description:	Project management services 4.27.19 through 5.31.19
Amount:	$150.00
Component Description:	Project management services, item 3 from invoice summary
Amount:	$150.00

Component Description:	Project management services, item 1 from invoice summary
Amount:	$675.00
Component Description:	Item 7 from invoice summary
Amount:	$150.00
Component Description:	Project management services 5.27.17 through 5.25.18; item 1 from invoice summary
Amount:	$4,275.00
Component Description:	Project management services January 2019
Amount:	$65.00
Component Description:	Project management services 7.28.18 through 9.28.18
Amount:	$4,125.00
Component Description:	Project management services October 2018
Amount:	$200.00
Component Description:	Item 9 from invoice summary
Amount:	$1,133.00

Component Description:	Project management services 5.26.18 through 6.29.18
Amount:	$1,800.00
Component Description:	Project management services 12.1.18 through 12.31.18
Amount:	$75.00
Component Description:	Project management services 10.27.18 through 11.30.18
Amount:	$5,625.00
Component Description:	Project management services
Amount:	$1,499.00
Component Description:	Item 5 from invoice summary
Amount:	$300.00
Component Description:	Item 6 from invoice summary
Amount:	$150.00
Component Description:	Project management services April 2019
Amount:	$208.00

	Component Description: Project management services **Amount:** $1,595.00 **Component Description:** Project management services 9.29.18 through 10.26.18 **Amount:** $150.00 **Component Description:** Project management services **Amount:** $7,720.00 **Component Description:** Project management services 6.30.18 through 7.27.18 **Amount:** $450.00 **Component Description:** Project management services February 2019 **Amount:** $39.00 **Component Description:** Project management services March 2019 **Amount:** $71.50
Additional Field Engineering Service, 20 Days	Information not provided.

FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees - 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-P4-4/10H-1 **Amount:** $1,500.00 **Component Description:** STA, item 2 from invoice summary **Amount:** $1,500.00 **Component Description:** Prepare STA **Amount:** $1,500.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	**Component Description:** License to Cover **Amount:** $625.00

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:** **Component Description:** **Amount:**	Prepare Engineering Portion of Amendment to Construction Permit Application $2,500.00 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.	
ASR modification (prepare FCC Form 854)	Information not provided.	

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 C Justifica
Other Expenses	**$257,979.60**	**$257,679.60**		**$203,496.75**	
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
Sales Tax	***$108,000.00***	$108,000.00	Sales and use tax on goods and services based on LA state rates.	$107,500.67	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	$11,715.00	N/A
Equipment Delivery and Handling Charges	***$53,000.00***	$53,000.00	See Rohde & Schwarz quote 169827 and Dielectric invoices	$52,351.48	N/A

Sub-total	$257,979.60	$257,679.60	N/A	$203,496.75	N/A
Total for all systems	$5,043,025.39	$3,873,300.46	N/A	$3,326,234.98	N/A

Components

Actual Information Description	File Name
Disposal Costs (for equipment and other waste, net of any salvage value)	**Component Description:** Disposal costs **Amount:** $23,000.00 **Component Description:** Dumpster costs related to transmitter electrical **Amount:** $6,000.00
Non-zoning permits	Information not provided.
DTV Medical Facility Notification	Information not provided.
Sales Tax	**Component Description:** Sales tax on antenna component **Amount:** $97.97 **Component Description:** KSHV Local sales and use tax **Amount:** $38,940.00 **Component Description:** Tax on additional transmitter components **Amount:** $1,063.29

	Component Description: **Amount:**	Sales tax on antenna shipping cost $18.50
	Component Description: **Amount:**	KSHV State sales and use tax $37,783.00
	Component Description: **Amount:**	Tax on transportation /consolidation services $732.96
	Component Description: **Amount:**	Tax due on transmitter $28,864.95
	Component Description: **Amount:**	Tax on additional transmitter components $1,063.29
	Component Description: **Amount:**	Sales tax credit on installation services not provided ($746.63)
MVPD Notification of Channel Change	**Component Description:** **Amount:**	Notification of medical facilities $2,929.60
Develop and air announcement of upcoming channel change	Information not provided.	

Equipment Storage	**Component Description:** **Amount:**	Main antenna storage costs $9,960.00
	Component Description: **Amount:**	Interim antenna storage $1,755.00
Equipment Delivery and Handling Charges	**Component Description:** **Amount:**	Main antenna freight costs $17,815.00
	Component Description: **Amount:**	Interim antenna freight $18,832.00
	Component Description: **Amount:**	Transmission line shipping $3,507.17
	Component Description: **Amount:**	Main antenna shipping cost $3,907.60
	Component Description: **Amount:**	Antenna shipping cost $190.71
	Component Description: **Amount:**	Transmitter transportation /consolidation services $8,099.00

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$5,043,025.39	$3,873,300.46	$3,326,234.98

Reimbursement Status

Question	Response
The facility has ceased operating on its pre-auction channel.	Yes
Construction of final facilities or all necessary modifications are complete.	Yes
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.	Yes

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.	
	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.

	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.	**Elizabeth Ryder** *General Counsel* 10/08/2021

Certification

Section	Question	Response
Submission of Final Allocation or Accounting Information 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.	
	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. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 2. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.	

	3. The above-named entity certifies that all costs identified as "actual costs" herein accurately represent the costs actually paid by the above-named entity, including any discounts, refunds, or rebates. 4. 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. 5. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 6. 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.	**Elizabeth Ryder** *General Counsel* 10/08/2021

Attachments