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: **166331** | Service: **DTV** | Call Sign: **KVSN-DT** | Channel: **27 (UHF)**

File Number: **0000028340**

FRN: **0001529627** | Date Submitted: **08/24/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
ENTRAVISION HOLDINGS, LLC Doing Business As: ENTRAVISION HOLDINGS, LLC	Mark Boelke SUITE 6000 WEST 2425 OLYMPIC BOULEVARD SANTA MONICA, CA 90404 United States	+1 (310) 447-3870	mboelke@entravision.com	Limited Liability Company

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Samuel Hariton *Widelity*	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 plan is for KVSN to replace the existing Channel 48 system with a new Channel 25 antenna, new 6-1/8" line, and a new transmitter.

Transmitters

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

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	Visionary-DT
	Year	2007
	Type	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	15 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	ULXTE-24
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	16.1 kW
	Justification for New Transmitter	New transmitter is necessary because the existing transmitter is not capable of being retuned as the manufacturer is out of business and parts are no longer available. Capacity adjusted for high altitude

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No

	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	The new main transmitter will require reconfiguration of the electrical service on site. Based on verbal guidance from local electrical contractors, KVSN-DT estimated the electrical work cost.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Heating and Cooling
	Size	10 tons
	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

Information not provided.

Interim Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	UAXTE-2
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	1 kW
	Justification for New Transmitter	Because KVSN is intending to install the new antenna at the same height and on the same side of the tower as the existing antenna is installed, KVSN will need to install an interim antenna/line /transmitter on a less-optimal side of the tower temporarily

Interim Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	The new interim transmitter will require reconfiguration of the electrical service on site. Based on verbal guidance from local electrical contractors, K50LZ estimated the electrical work cost.
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?	Yes
	Size	128.0 square feet

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

Interim Transmitter

Other Transmitter Cost Not Listed

Name	Description
New Interim Transmitter Installation	Installation costs for new interim transmitter

Antennas

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

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	350.0 kW

Manufacturer	
Model	ATW25H4-HTC170-48H
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?	Yes
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	232.0 kW
	Manufacturer	

Model	TFU-16ETT /VP-R C170
Year	2017
Justification for New Antenna	A new antenna is necessary because the existing antenna cannot be retuned to the new channel and is not capable of broadcasting on channel 25.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	4 1/16 inches inches

Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Primary Antenna

Other Antenna Cost Not Listed

Information not provided.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Type	Class	Class A
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/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)	222.0 kW
	Manufacturer	
	Model	TFU-8WB-1-R C160
	Year	2017

	Justification for New Antenna	Because KVSN is intending to install the new antenna at the same height and on the same side of the tower as the existing antenna is installed, KVSN will need to install an interim antenna/line/transmitter on a less-optimal side of the tower temporarily.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	No

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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	312 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	4 1/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	312 feet per run
	Justification for New Transmission Line	KVSN's previous transmission line is not capable of operating on the new channel as the segment lengths are the wrong size. A new transmission line will need to be installed in order to support the new channel.

Primary Transmission Line	Other Transmission Line Expenses Not Listed
	Information not provided.

Interim Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Flexible Air
	Diameter	1 5/8 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	1
	Length	312 feet per run
	Justification for New Transmission Line	Because KVSN is intending to install the new antenna at the same height and on the same side of the tower as the existing antenna is installed, KVSN will need to install an interim antenna/line /transmitter on a less-optimal side of the tower temporarily

Interim Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Terrain Constrained
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1257453
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	38° 44' 41.9" N-
	Longitude (NAD83)	104° 51' 39.4" W-
	Overall Structure Height	296.91 feet
	Support Structure Height	250.00 feet
	Ground Elevation Above Mean Sea Level (AMSL)	9386.04 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	CHEYENNE PROPAGATION
Date Constructed	07/02/2008

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	Terrain constrained
Helicopter Services Required	Are helicopter services required?	No

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Structural Analysis	Broadcast Tower Structural Analysis

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	712
	Explanation	KVSN-DT does not have sufficient resource capacity and expertise inhouse to handle all of the reimbursement filing by the construction deadline for Phase 8 on March 13, 2020. KVSN-DT will hire an outside firm to ensure a timely and well managed transition
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1

	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	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	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A

	Justification	N/A

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	Yes
	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)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	No
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses

Other Expenses Not Listed

Information not provided.

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 Justificatio
Interim Transmitter UAXTE-2	**$138,650.96**	**$132,650.96**		**$10,043.46**	
New Interim Transmitter Installation	***$2,750.96***	$2,750.96	Please see KVSN-DT New Interim Transmitter Installation Revision Justification Cover Letter	$2,750.96	N/A
Other Electrical Service: The new interim transmitter will require reconfiguration of the electrical service on site. Based on verbal guidance from local electrical contractors, K50LZ estimated the electrical work cost.	***$3,900.00***	$3,900.00	See Justifying Quote KVSN Intermountain Electric quote S2019-0004	$3,900.00	N/A
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	$126,000.00	$120,000.00	N/A	$3,392.50	N/A

Other -- Building Addition Size: 128.0	***$6,000.00***	$6,000.00	N/A	N/A	N/A
Primary Transmitter ULXTE-24	**$1,029,126.05**	**$754,088.85**		**$688,007.76**	
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	$684,000.00	$432,431.73	see Estimated Cost Justification KVSN-110-New 1st Primary Transmitter v1	$432,431.71	N/A
10 Ton system	$60,500.00	$57,500.00	N/A	N/A	N/A
Other Electrical Service: The new main transmitter will require reconfiguration of the electrical service on site. Based on verbal guidance from local electrical contractors, KVSN-DT estimated the electrical work cost.	***$3,500.00***	$3,500.00	See Justifying Quote KVSN Intermountain Electric Proposal S2019-0004	$0.00	N/A

Transformer 3 phase/480v - 150 KVA	$25,550.00	$5,081.07	Please see GatesAir Quote Q-74089 and GatesAir Change Order Q-78728 (includes tax and freight) Decreased by $3,322.47 previously reimbursed under the superseded transmitter category.	$0.00	N/A
UHF - Air Cooled Solid State Transmitter 15.6 kW	***$255,576.05***	$255,576.05	***System Notice: Estimate adjusted and locked because line has been superseded. ***	$255,576.05	N/A
Sub-total	$1,167,777.01	$886,739.81	N/A	$698,051.22	N/A
Total for all systems	$3,459,220.96	$2,804,289.84	N/A	$1,251,598.63	N/A

Components

Actual Information Description	File Name	
New Interim Transmitter Installation	**Component Description:** **Amount:**	New Interim Transmitter $2,750.96

Other Electrical Service: The new interim transmitter will require reconfiguration of the electrical service on site. Based on verbal guidance from local electrical contractors, K50LZ estimated the electrical work cost.	**Component Description:** **Amount:**	Contract Amount $3,900.00
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	**Component Description:** **Amount:** **Component Description:** **Amount:**	KVSN-180-New Interim Transmitter $3,392.50 KVSN-180-New Interim Transmitter $2,750.96
Other -- Building Addition Size: 128.0	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	**Component Description:** **Amount:** **Component Description:** **Amount:** **Component Description:** **Amount:** **Component Description:** **Amount:**	For work done by Smith Broadcast which included the de-installation and transporting $52,268.24 Contract Amount $64,457.50 Engineering Field Services by Chuck Britt do turn on $15,000.00 A. Transmitter $300,705.97

10 Ton system	Information not provided.	
Other Electrical Service: The new main transmitter will require reconfiguration of the electrical service on site. Based on verbal guidance from local electrical contractors, KVSN-DT estimated the electrical work cost.	Information not provided.	
Transformer 3 phase/480v - 150 KVA	**Component Description:** **Amount:**	per RFI transformer included in transmitter N/A
UHF - Air Cooled Solid State Transmitter 15.6 kW	**Component Description:** **Amount:**	New 1st Primary Transmitter $255,576.05

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 TFU-8WB-1-R C160	**$180,000.00**	**$180,000.00**		**$0.00**	
UHF - Lower Power, Side Mount, Class A, basic slot antenna, 222 kW input, directional,, horizontally polarized	***$180,000.00***	$180,000.00	N/A	N/A	N/A
Primary Antenna TFU-16ETT /VP-R C170	**$305,800.00**	**$214,871.24**		**$169,738.45**	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	$289,500.00	$196,816.24	Please see Estimated Cost Justification KVSN-210-New Primary Antenna v0	$161,683.45	N/A

Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	$9,570.00	$8,055.00	N/A	$8,055.00	N/A
Sweep test of existing antenna	$6,730.00	$10,000.00	See quote from Chuck Britt	N/A	N/A
Sub-total	$485,800.00	$394,871.24	N/A	$169,738.45	N/A
Total for all systems	$3,459,220.96	$2,804,289.84	N/A	$1,251,598.63	N/A

Components

Actual Information Description	File Name
UHF - Lower Power, Side Mount, Class A, basic slot antenna, 222 kW input, directional,, horizontally polarized	Information not provided.

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	**Component Description:** **Amount:**	KVSN-210-New Primary Antenna $10,972.24
	Component Description: **Amount:**	UHF - High/ Medium Power Top $74,089.80
	Component Description: **Amount:**	Other - Freight and shipping $2,531.61
	Component Description: **Amount:**	UHF - High /Medium Power Top Mount; Other VPOL components; Other wedding cake adapter for top mount antenna; Other elbow complex kit; Rigid transmission line - copper; Rigid transmission line; etc. $74,089.80

Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	**Component Description:** **Amount:**	Other - Elbox complex kit, single channel AT antenna input $805.50
	Component Description: **Amount:**	Primary Antenna Elbow Complex $3,624.75
	Component Description: **Amount:**	KVSN Elbow Complex New Primary Antenna $3,624.75
Sweep test of existing antenna	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	**$10,296.00**	**$9,672.00**		**$950.00**	
Flexible Air Transmission Line - dielectric, 1 5 /8"	$10,296.00	$9,672.00	N/A	$950.00	N/A
Primary Transmission Line	**$44,304.00**	**$66,319.96**		**$60,261.86**	
Rigid Transmission Line - copper, 4 1 /16"	$44,304.00	$66,319.96	Please see Estimated Cost Justification KVSN-310-New Primary Transmission Line v2	$60,261.86	N/A
Sub-total	$54,600.00	$75,991.96	N/A	$61,211.86	N/A
Total for all systems	$3,459,220.96	$2,804,289.84	N/A	$1,251,598.63	N/A

Components

Actual Information Description	File Name	
Flexible Air Transmission Line - dielectric, 1 5/8"	**Component Description:**	KVSN-380-New Interim Transmission Line sweep
	Amount:	$950.00

Rigid Transmission Line - copper, 4 1/16"	**Component Description:**	KVSN Primary Transmission Line
	Amount:	$19,373.76
	Component Description:	KVSN-310-New Primary Transmission Line
	Amount:	$2,743.06
	Component Description:	Primary Transmission Line
	Amount:	$19,373.76
	Component Description:	Other
	Amount:	$15,810.00
	Component Description:	Other
	Amount:	$2,961.28
	Component Description:	per RFI transmission line moved to transmitter
	Amount:	N/A

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	**$1,501,207.95**	**$1,207,371.83**		**$220,475.45**	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	$421,000.00	$400,000.00	N/A	$121,914.00	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	$26,300.00	$10,463.88	see Estimated Cost Justification KVSN-410-Tower Mapping Existing Primary Tower v0	$9,078.50	.
Serious tower reinforcement /modifications	$1,052,000.00	$795,000.00	N/A	$87,575.00	N/A
Structural Analysis	***$1,907.95***	$1,907.95	Broadcast Tower Structural Analysis	$1,907.95	N/A
Sub-total	$1,501,207.95	$1,207,371.83	N/A	$220,475.45	N/A
Total for all systems	$3,459,220.96	$2,804,289.84	N/A	$1,251,598.63	N/A

Components

Actual Information Description	File Name	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	**Component Description:** **Amount:**	Antenna installation, rigging $32,839.00
	Component Description: **Amount:**	Freight for antenna and transmission line components and equipment. $89,075.00
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	**Component Description:** **Amount:**	Tower mapping and prep of documentation necessary for tower load study $9,078.50
	Component Description: **Amount:**	For site survey performed at KVSN on Cheyenne Mt Colorado Springs, Facility #166331 between 3 and 5 Oct 2018. $1,385.38
Serious tower reinforcement /modifications	**Component Description:** **Amount:**	Per Proposal#061917JS10, 50% due upon acceptance. Total contract price: $175,150.00 $87,575.00
Structural Analysis	**Component Description:** **Amount:**	Broadcast Tower Structural Analysis $1,907.95

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	**$189,506.00**	**$179,550.00**		**$102,121.65**	
RF Exposure Measurements	$21,050.00	$20,000.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	$2,105.00	$2,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	$2,105.00	$2,000.00	N/A	N/A	N/A
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	$10,520.00	$10,000.00	N/A	N/A	N/A
NEPA Section 106 environmental review, if needed	$6,310.00	$6,000.00	N/A	N/A	N/A

Attorney Fees - Prepare and File request for Special Temporary Authorization	$3,680.00	$3,500.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	$4,210.00	$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	$2,365.00	$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	$5,260.00	$5,000.00	N/A	$250.00	N/A
Prepare request for Special Temporary Authorization	$2,050.00	$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	$1,580.00	$1,500.00	N/A	N/A	N/A

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$3,000.00	N/A	$2,875.00	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,000.00	N/A	$2,437.50	N/A
Address transition timing and coordination issues w/ other stations and wireless	$2,630.00	$2,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	$2,630.00	$2,500.00	N/A	N/A	N/A
Project management of the transition	$112,496.00	$106,800.00	N/A	$96,559.15	N/A
Sub-total	$189,506.00	$179,550.00	N/A	$102,121.65	N/A
Total for all systems	$3,459,220.96	$2,804,289.84	N/A	$1,251,598.63	N/A

Components

Actual Information Description	File Name
RF Exposure Measurements	Information not provided.

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.
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.
NEPA Section 106 environmental review, if needed	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	**Component Description:** Prepare technical portion of fCC Form 2100, License to Cover App. **Amount:** $250.00
Prepare request for Special Temporary Authorization	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:**	Preparation of the engineering section of FCC From 2100 $2,000.00
	Component Description: **Amount:**	Preparation of the engineering section of FCC From 2100 $875.00
Perform engineering study for new channel assignment and antenna development	**Component Description:** **Amount:**	Engineering study work for new channel assignment including antenna development $437.50
	Component Description: **Amount:**	Prep of the engineering section of a 1st Priority Window Application to move from channel 25 to channel 27 $2,000.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	Information not provided.	
Project management of the transition	**Component Description:** **Amount:**	Project Management $2,190.75

Component Description: Project Management
Amount: $2,452.95

Component Description: Project Management
Amount: $2,814.90

Component Description: Project management
Amount: $1,053.15

Component Description: Project Management
Amount: $3,332.20

Component Description: Project Management
Amount: $2,231.60

Component Description: Project Management
Amount: $2,472.95

Component Description: Project Management
Amount: $2,575.45

Component Description: Project managment
Amount: $1,193.70

Component Description: Project management
Amount: $148.20

Component Description: Project Management
Amount: $2,346.90

Component Description: Project Management
Amount: $1,763.45

Component Description: Project Management
Amount: $1,815.05

Component Description: Project Management
Amount: $2,540.60

Component Description: Project Management
Amount: $3,091.65

Component Description: Project Management
Amount: $4,087.15

Component Description: Project Management
Amount: $4,722.75

Component Description: Project Management
Amount: $5,166.40

Component Description: Project Management
Amount: $2,734.10

Component Description: Project Management
Amount: $2,610.15

Component Description: Project Management
Amount: $4,609.30

Component Description: Project Management
Amount: $1,836.10

Component Description: Project Management
Amount: $1,709.10

Component Description: Project management
Amount: $2,286.95

Component Description: Project Management
Amount: $1,637.85

Component Description: Project Management
Amount: $1,989.85

Component Description: Project Management
Amount: $3,768.75

Component Description: Project Management
Amount: $2,302.55

Component Description: Project Management
Amount: $1,482.40

Component Description: Project Management
Amount: $3,780.65

Component Description: Project Management
Amount: $4,050.70

Component Description: Project management
Amount: $1,610.85

Component Description: Project Management
Amount: $3,130.75

Component Description: Project Management
Amount: $3,540.40

Component Description: Project management
Amount: $2,091.70

Component Description: Project Management
Amount: $2,955.60

Component Description: Project Management
Amount: $1,653.00

Component Description:	Project management
Amount:	$778.60

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	**$60,330.00**	**$59,765.00**		**$0.00**	
MVPD Notification of Channel Change	***$750.00***	$750.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	***$15,000.00***	$15,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	***$10,000.00***	$10,000.00	N/A	N/A	N/A
Non-zoning permits	***$2,500.00***	$2,500.00	N/A	N/A	N/A
Local Zoning	***$5,000.00***	$5,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	$195.00	$190.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	$335.00	$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	$11,550.00	$11,000.00	N/A	N/A	N/A

Equipment Storage	***$15,000.00***	$15,000.00	N/A	N/A	N/A
Sub-total	$60,330.00	$59,765.00	N/A	$0.00	N/A
Total for all systems	$3,459,220.96	$2,804,289.84	N/A	$1,251,598.63	N/A

Components

Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$3,459,220.96	$2,804,289.84	$1,251,598.63

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.	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.	
	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.	**Manuel Cavazos , III .** *EVP - Director of Technology* 08/24/2020

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.	**Manuel Cavazos , III .** *EVP - Director of Technology* 08/24/2020

Attachments