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: **60026** | Service: **DCA** | Call Sign: **KHTV-CD** | Channel: **27 (UHF)**

File Number: **0000027965**

FRN: **0034811976** | Date Submitted: **08/16/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
VENTURE TECHNOLOGIES GROUP, LLC	5670 WILSHIRE BLVD STE 1620 LOS ANGELES, CA 90036 United States	+1 (323) 965-5400	form399@LOOP.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
The Preparer is same as the reimbursement contact.			

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	The proposed plan is for KHTV to replace the existing channel 27 transmitter with a new solid-state transmitter, replace the existing channel 27 mask filter with a new channel 22 mask filter, and replace the existing segmented 2 1/4" foam dielectric line

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	Innovator LX 2000U
	Year	2004
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	2 kW

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	THU9EVO4
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	6.5 kW
	Justification for New Transmitter	KHTV is planning on replacing the existing Axcera transmitter because the manufacturer has gone out of business and there is no support for retuning the transmitter.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A

	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	20.0 feet
	Other Electrical Service	Yes
	Description	The new main transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other 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
Mask Filter	KHTV will require a new mask filter designed for channel 22 operation. The existing Myat channel 27 mask filter cannot be retuned or adapted for operation on channel 22. There is space in the existing transmitter room to accommodate the new mask

Interim Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	TMU9
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	1.8 kW
	Justification for New Transmitter	The interim antenna is located within the same compound but on different tower. American Tower indicated that a new Transmitter will be required to feed this interim antenna.

Interim Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	No

	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	No

Interim Transmitter

Other Transmitter Cost Not Listed

Information not provided.

Antennas

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

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna Manufacturer and Type	Class	Class A
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	1
	Number of Panels	4
	Design power capacity in use	4.5 %
	Lower Limit	470.00 MHz
	Upper Limit	800.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	8.1 kW

Manufacturer	
Model	MCI20064
Year	2012

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?	No
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Types	Class	Class A
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Circular
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	15.0 kW
	Manufacturer	

	Model	TFU-DSB-6B/VP
	Year	2018
	Justification for New Antenna	Existing antenna does not have combiner or line switch. New antenna is the only way we can avoid prolonged off-air time. This system is the most efficient plan.

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?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A

Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
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	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	15.0 kW
	Manufacturer	
	Model	DLP8M
	Year	2018

	Justification for New Antenna	American Tower has advised that an interim transmitter and antenna are necessary because KHTV must temporarily vacate the tower on which it is currently located

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?	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

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	Flexible Foam
	Diameter	Other
	Other Diameter	2 1/4 inches
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	300 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	Flexible Air
	Diameter	3 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	300 feet per run
	Justification for New Transmission Line	Existing transmission line does not have combiner or line switch. New line is the only way we can avoid prolonged off-air time. This system is the most efficient method.

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	3 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	1
	Length	232 feet per run
	Justification for New Transmission Line	The interim transmission line is necessary because KHTV must move to a temporary tower location while work on the main tower is conducted.

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

Auxiliary Tower

Add Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Auxiliary (Backup)
	Description of Use	Interim
	Ownership	Leased
	Is this tower consider Complex?	No
	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?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	34° 12' 46.15" N-
	Longitude (NAD83)	118° 03' 44.8" W-
	Overall Structure Height	199.00 feet
	Support Structure Height	199.00 feet
	Ground Elevation Above Mean Sea Level (AMSL)	5425.00 feet

Structure Type	LTOWER - Lattice Tower
Tower Owner	American Tower Corp
Date Constructed	06/19/2000

Auxiliary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	No reinforcements needed

Auxiliary Tower

Tower Rigging Costs

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

Auxiliary Tower

Other Tower Expenses Not Listed

Information not provided.

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Candelabra
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1213941
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	34° 12' 47.9" N-
	Longitude (NAD83)	118° 03' 44.3" W-
	Overall Structure Height	199.80 feet
	Support Structure Height	199.80 feet
	Ground Elevation Above Mean Sea Level (AMSL)	5428.08 feet
	Structure Type	LTOWER - Lattice Tower
	Tower Owner	SpectraSite Communications, LLC. through American Towers, LLC.
	Date Constructed	07/01/2000

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
19783	KVEA	DTV
26231	KWHY-TV	DTV
35608	KSCI	DTV
22161	KRCA	DTV
60026	KHTV-CD	DTV
63865	KILM	DTV
56384	KBEH	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:	Minor Reinforcements needed

Primary Tower

Tower Rigging Costs

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

	Other Tower Expenses Not Listed
Primary Tower	Information not provided.

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	2000
	Explanation	KHTV will need outside project management services. KHTV anticipates needing 2,000 hours of Project management services.
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	No
	Quantity	N/A
	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	No
	Quantity	N/A
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	Yes
	Number of Days	8
	Justification	Project Management

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	Yes
	FCC License to Cover Application	Yes
	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
Vehicle Rentals	Required for equipment delivery.
Interim Antenna Rental	ATC rental cost for the interim antenna

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmitter TMU9	**$178,600.00**	**$139,760.22**		**$91,230.86**	
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	$126,000.00	$88,560.22	N/A	$86,280.86	N/A
Switchgear - industrial 800 amp	$38,200.00	$37,150.00	N/A	N/A	N/A
Service entrance 3 phase/800 amp/208 volt	$14,400.00	$14,050.00	N/A	$4,950.00	N/A
Primary Transmitter THU9EVO4	**$433,970.00**	**$326,327.67**		**$205,322.42**	
Mask Filter	***$3,950.00***	$3,950.00	N/A	$0.00	N/A

Other Electrical Service: The new main transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	***$30,000.00***	$30,000.00	N/A	$8,500.00	N/A
2" Rigid Conduit and Wiring (Cost per foot)	$520.00	$500.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	$273,500.00	$250,600.00	N/A	$155,544.75	N/A
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	$126,000.00	$41,277.67	***System Notice: Estimate adjusted and locked because line has been superseded. ***	$41,277.67	N/A
Sub-total	$612,570.00	$466,087.89	N/A	$296,553.28	N/A
Total for all systems	$1,985,383.00	$1,742,793.93	N/A	$618,510.95	N/A

Components

Actual Information Description	File Name	
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	**Component Description:** **Amount:**	Transmitter Installation Charges /Hardware. $2,670.64
	Component Description: **Amount:**	25% down payment on interim transmitter $19,337.50
	Component Description: **Amount:**	Re-tune mask filter for Interim facility. $711.75
	Component Description: **Amount:**	75% Final Payment on Interim Transmitter $63,560.97
	Component Description: **Amount:**	Transmitter Installation /Electrical Work $4,950.00
Switchgear - industrial 800 amp	Information not provided.	
Service entrance 3 phase /800 amp/208 volt	**Component Description:** **Amount:**	Electrical Installation Work. USE THIS SUBMISSION, DISREGARD DUPLICATE SUBMISSION OF SAME INVOICE. $4,950.00

Mask Filter	Information not provided.	
Other Electrical Service: The new main transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	**Component Description:** **Amount:** **Component Description:** **Amount:**	Transmitter Electrical Installation Expenses. USE THIS SUBMISSION & DISREGARD THE OTHER SUBMISSION OF INVOICE 8039 $8,500.00 Electrical Work For Transmitter Installation $8,500.00
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	**Component Description:** **Amount:** **Component Description:** **Amount:**	75% payment for KHTV-CD main transmitter. $155,544.75 25% down payment on KHTV main transmitter. N/A

UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	**Component Description:**	zeroed out on 12/18 /18, wrong section invoice added under the interim transmitter section.
	Amount:	N/A
	Component Description:	Disregard
	Amount:	N/A
	Component Description:	R&S ETLTV Analyser
	Amount:	$41,277.67

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 DLP8M	**$33,030.00**	**$12,950.00**		**$6,450.00**	
Sweep test of existing antenna	$6,730.00	$6,500.00	N/A	N/A	N/A
UHF - Lower Power Side Mount, Class A One Station antenna -- basic	$26,300.00	$6,450.00	N/A	$6,450.00	N/A
Primary Antenna TFU-DSB-6B/VP	**$33,030.00**	**$29,240.00**		**$8,209.60**	
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$4,283.35	N/A
UHF - Lower Power Side Mount, Class A One Station antenna -- basic	$26,300.00	$22,840.00	N/A	$3,926.25	N/A
Sub-total	$66,060.00	$42,190.00	N/A	$14,659.60	N/A

Total for all systems	$1,985,383.00	$1,742,793.93	N/A	$618,510.95	N/A

Components

Actual Information Description	File Name	
Sweep test of existing antenna	Information not provided.	
UHF - Lower Power Side Mount, Class A One Station antenna -- basic	**Component Description:** **Amount:**	DLP8M Antenna $6,450.00
Sweep test of existing antenna	**Component Description:** **Amount:**	Sweep Test $4,283.35
UHF - Lower Power Side Mount, Class A One Station antenna -- basic	**Component Description:** **Amount:**	KHTV-CD Main Antenna $3,926.25

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	**$13,688.00**	**$15,329.64**		**$15,329.64**	
Flexible Air Transmission Line - dielectric, 3"	$13,688.00	$15,329.64	We had unanticipated expenses regarding the transmission line.	$15,329.64	There were unanticipated costs associated with the transmission line.
Primary Transmission Line	**$17,700.00**	**$18,211.40**		**$18,211.40**	
Flexible Air Transmission Line - dielectric, 3"	$17,700.00	$18,211.40	Sales tax was not included in original estimate.	$18,211.40	N/A
Sub-total	$31,388.00	$33,541.04	N/A	$33,541.04	N/A
Total for all systems	$1,985,383.00	$1,742,793.93	N/A	$618,510.95	N/A

Components

Actual Information Description	File Name

Flexible Air Transmission Line - dielectric, 3"	**Component Description:**	Transmission Line Jumper
	Amount:	$2,009.64
	Component Description:	MCI Transmission Line Switch Retrofit Kit
	Amount:	$468.56
	Component Description:	25 foot jumper with gas barrier.
	Amount:	$2,221.41
	Component Description:	Transmission line switch controller and cabling.
	Amount:	$3,078.64
	Component Description:	Various Transmission Line Accessories.
	Amount:	$2,945.60
	Component Description:	Various transmission line accessories.
	Amount:	$1,620.80
	Component Description:	4 port transmission line switch.
	Amount:	$2,890.79
	Component Description:	O-Rings
	Amount:	$94.20

Flexible Air Transmission Line - dielectric, 3"	**Component Description:** **Amount:**	Transmission Line $12,511.11
	Component Description: **Amount:**	Transmission line and associated hardware. $5,700.29

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
Auxiliary Tower LTOWER	**$96,800.00**	**$83,900.00**		**$60,106.15**	
Short Tower (less than 500')	$84,200.00	$81,900.00	N/A	$60,106.15	N/A
Structural engineering tower load study for well documented tower	$12,600.00	$2,000.00	N/A	N/A	N/A
Primary Tower LTOWER	**$625,300.00**	**$587,100.00**		**$131,032.90**	
Minor tower reinforcement /modifications	$158,000.00	$150,000.00	N/A	N/A	N/A
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	$10,300.00	N/A

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	$421,000.00	$400,000.00	N/A	$109,232.90	N/A
Structural engineering tower load study for a documented tower with candelabra	$20,000.00	$11,500.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***Per invoice	$11,500.00	N/A
Sub-total	$722,100.00	$671,000.00	N/A	$191,139.05	N/A
Total for all systems	$1,985,383.00	$1,742,793.93	N/A	$618,510.95	N/A

Components

Actual Information Description	File Name

Short Tower (less than 500')	**Component Description:**	Removal of old TX line, and installation of new TX line.
	Amount:	$5,765.00
	Component Description:	Tower Rigging / Interim Antenna Installation (50% deposit)
	Amount:	$23,544.00
	Component Description:	Scaffolding & misc. hardware needed to rig interim tower.
	Amount:	$2,100.00
	Component Description:	Scaffolding and Misc. Hardware needed to rig tower.
	Amount:	$1,407.15
	Component Description:	DISREGARD
	Amount:	N/A
	Component Description:	Tower equipment /Rigging
	Amount:	$5,765.00
	Component Description:	Tower Rigging / Interim Antenna Installation (Final Payment)
	Amount:	$21,525.00

Structural engineering tower load study for well documented tower	Information not provided.
Minor tower reinforcement /modifications	Information not provided.
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	**Component Description:** Broadcast Tower Mapping **Amount:** $10,300.00
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	**Component Description:** Scaffolding and misc. hardware needed to rig tower. **Amount:** $708.40 **Component Description:** Supply and installation of ice shield. **Amount:** $3,792.00 **Component Description:** Scaffolding & misc. hardware needed to rig main tower. **Amount:** $7,900.00 **Component Description:** Disregard **Amount:** N/A **Component Description:** Scaffolding and Misc. hardware needed to rig tower. **Amount:** $632.50

Component Description:	Disregard
Amount:	N/A
Component Description:	DISREGARD
Amount:	N/A
Component Description:	20% Payment on Completion of Tower Work.
Amount:	$19,240.00
Component Description:	Disregard
Amount:	N/A
Component Description:	50% Down Payment on Tower Work.
Amount:	$48,100.00
Component Description:	30% Mobilization Payment on Tower Work.
Amount:	$28,860.00
Component Description:	DISREGARD
Amount:	N/A

Structural engineering tower load study for a documented tower with candelabra	**Component Description:**	Tower Mapping. Proper cost category not available in form 399.
	Amount:	N/A
	Component Description:	Broadcast Structural
	Amount:	$9,500.00
	Component Description:	Broadcast Structural
	Amount:	$2,000.00

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	**$466,440.00**	**$443,750.00**		**$54,373.18**	
Additional Field Engineering Service, 8 Days	***$16,000.00***	$16,000.00	N/A	$4,752.33	N/A
RF Exposure Measurements	$21,050.00	$20,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	$84,200.00	$80,000.00	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), Construction Permit Application	$5,260.00	$5,000.00	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	$3,050.00	See: S&F FCC Repack Consulting Engineering Proposal.pdf
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,000.00	N/A	$0.00	See: S&F FCC Repack Consulting Engineering Proposal.pdf
Address transition timing and coordination issues w/ other stations and wireless	$2,630.00	$2,500.00	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
Prepare and or review reimbursement form	$2,630.00	$2,500.00	N/A	$1,468.60	N/A
Project management of the transition	$316,000.00	$300,000.00	N/A	$45,102.25	N/A
Sub-total	$466,440.00	$443,750.00	N/A	$54,373.18	N/A
Total for all systems	$1,985,383.00	$1,742,793.93	N/A	$618,510.95	N/A

Components

Actual Information Description	File Name
Additional Field Engineering Service, 8 Days	**Component Description:** Travel expenses for field service engineers. **Amount:** $4,752.33 **Component Description:** Additional field service engineering due to weather delay. Disregard previous version/submission of this invoice. **Amount:** $4,752.33
RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	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), Construction Permit Application	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:**	Interference study of repack Channel 22 for KHTV-CD in Los Angeles, California; e-mail report ($650); preparation of engineering portion of initial FCC Application for Construction Permit for repack facility; e-filing ($1750)
	Amount:	$2,400.00
	Component Description:	Prepare engineering section of FCC Form 2100, Construction Permit Application. Resubmitted to show invoice matches proposal.
	Amount:	N/A
	Component Description:	Preparation of revised engineering portion of initial FCC Application for Construction Permit for repack facility on Channel 22 for KHTV-CD in Los Angeles, California; e-filing ($650)
	Amount:	$650.00

Perform engineering study for new channel assignment and antenna development	**Component Description:** <

Component Description:	Project Management
Amount:	$1,582.05
Component Description:	Technical , Consultation and Planning Services. Review and answering technical questions through a telephone conference call for the follow up report for the Re-pack.
Amount:	$75.00
Component Description:	Site coordination and transition planning.
Amount:	$5,000.00
Component Description:	Project management
Amount:	$1,311.85
Component Description:	Technical Consultation and Planning Services
Amount:	$54.60
Component Description:	Project Management
Amount:	$1,705.30
Component Description:	Re-pack consulting and updating
Amount:	$75.00

Component Description:	Project Management
Amount:	$1,537.35
Component Description:	Project Management
Amount:	$1,450.85
Component Description:	Project management.
Amount:	$9,480.00
Component Description:	Project Management
Amount:	$330.00
Component Description:	Project Management
Amount:	$1,301.65
Component Description:	Project Management
Amount:	$6,709.40
Component Description:	Technical , Consultation and Planning Services. Three conference calls .
Amount:	$75.00
Component Description:	Project Managment
Amount:	$6,144.60

Component Description:	Technical Consultation and Planning Services.
Amount:	$54.60
Component Description:	Project Management
Amount:	$1,794.80
Component Description:	Please deny this invoice, it is a duplicate
Amount:	N/A
Component Description:	Technical Consultation and Planning Services.
Amount:	$54.60
Component Description:	Project Management
Amount:	$1,818.40
Component Description:	Technical , Consultation and Planning Services. Technical , Consultation and Planning Services with Sam Hariton (Widelity).
Amount:	$75.00
Component Description:	Project Management
Amount:	$1,706.25

Component Description:	Technical , Consultation and Planning Services. Attended a conference at Rohde and Schwartz on 3/6 /2017 concerning the 399 re-pack documentation.
Amount:	$75.00
Component Description:	Technical , Consultation and Planning Services.
Amount:	$136.50
Component Description:	Project Management
Amount:	$1,109.85
Component Description:	Project Management Fees
Amount:	$1,060.70
Component Description:	Technical Consultation and Planning Services
Amount:	$54.60

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	**$86,825.00**	**$86,225.00**		**$28,244.80**	
Equipment Delivery and Handling Charges	***$15,000.00***	$15,000.00	N/A	$7,682.17	N/A
Develop and air announcement of upcoming channel change	***$15,000.00***	$15,000.00	N/A	N/A	N/A
Equipment Storage	***$2,000.00***	$2,000.00	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	$1,677.63	N/A
FCC Filing Fees - Form 2100 license to cover application	$335.00	$325.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	$1,110.00	$1,070.00	N/A	N/A	N/A
Interim Antenna Rental	***$12,800.00***	$12,800.00	Please see the project estimation form from ATC	$3,200.00	N/A

MVPD Notification of Channel Change	***$2,000.00***	$2,000.00	N/A	N/A	N/A
Local Zoning	***$5,000.00***	$5,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	$11,550.00	$11,000.00	N/A	$8,655.00	N/A
Vehicle Rentals	***$5,000.00***	$5,000.00	N/A	N/A	N/A
Non-zoning permits	***$7,030.00***	$7,030.00	Permitting Costs were higher than anticipated.	$7,030.00	Permitting Costs
Sub-total	$86,825.00	$86,225.00	N/A	$28,244.80	N/A
Total for all systems	$1,985,383.00	$1,742,793.93	N/A	$618,510.95	N/A

Components

Actual Information Description	File Name	
Equipment Delivery and Handling Charges	**Component Description:** **Amount:**	Removal of old transmitter. $715.00
	Component Description: **Amount:**	Equipment Delivery and Handling Charges. $5,102.77
	Component Description: **Amount:**	Shipping charges for mask filter repair. $1,864.40

Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	**Component Description:** Dismantle and remove transmitter filter. **Amount:** $500.00 **Component Description:** Removal of debris from Transmitter Site. **Amount:** $427.63 **Component Description:** Disposal of debris from repack site. **Amount:** $750.00
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.
Interim Antenna Rental	**Component Description:** Interim Tower Rent - USE THIS SUBMISSION - DISREGARD DUPLICATE **Amount:** $3,200.00 **Component Description:** N/A **Amount:** N/A **Component Description:** Interim tower rent. **Amount:** $3,200.00

MVPD Notification of Channel Change	Information not provided.
Local Zoning	Information not provided.
DTV Medical Facility Notification	**Component Description:** Notification of Medical Facilities **Amount:** $8,655.00
Vehicle Rentals	Information not provided.
Non-zoning permits	**Component Description:** County permit to install antenna on tower. **Amount:** $1,580.00 **Component Description:** Permitting fees and tower construction drawings for permitting process. **Amount:** $5,450.00

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$1,985,383.00	$1,742,793.93	$618,510.95

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.	**Andy Wilcoxson** *General Manager* 08/16/2019

Certification

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

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

	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.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**Andy Wilcoxson** *General Manager* 08/16/2019

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.	**Andy Wilcoxson** *General Manager* 08/16/2019

Attachments