



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **60026** | Service: **DCA** | Call **KHTV-CD** | Channel: **27 (UHF)** |  
ID: | Sign:  
File **0000027965**  
Number:  
FRN: **0034811976** | Date **08/14**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>VENTURE TECHNOLOGIES GROUP, LLC</b>	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
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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
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	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.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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
<b>Mask Filter</b>	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
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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
<b>Inside RF System</b>	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

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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
<b>Combiner for Shared Antenna</b>	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
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A

<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
<b>Sweep Test</b>	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
<b>New Antenna Description</b>	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
<b>New Antenna Manufacturer and Type</b>	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
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## Interim Antenna

### Other Antenna Costs

Section	Question	Response
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	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
<b>Existing Transmission Line Description</b>	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
<b>Existing Transmission Line Manufacturer and Type</b>	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** **New Transmission Line**  
**Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	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** **Other Transmission Line Expenses Not Listed**  
**Transmission Line**

Information not provided.

**Interim**      **New Transmission Line**  
**Transmission Line**      **Section**

	Question	Response
<b>New Transmission Line Costs</b>	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**      **Other Transmission Line Expenses Not Listed**  
**Transmission Line**      **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
<b>Existing Tower Description</b>	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
<b>Existing Tower Structure Registration</b>	Do you have a tower registration number?	Yes
	ASR Number	1213941
<b>Coordinates (NAD83 (North American Datum of 1983))</b>	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
35608	KSCI	DTV
26231	KWHY-TV	DTV
63865	KILM	DTV
60026	KHTV-CD	DTV
22161	KRCA	DTV
56384	KBEH	DTV

**Primary  
Tower**

**Tower Modification Costs**

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

**Primary  
Tower**

**Tower Rigging Costs**

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



**Primary  
Tower**

**Other Tower Expenses Not Listed**  
Information not provided.

**Outside  
Professional**

Section	Question	Response
<b>Services Costs Outside Project Management Services</b>	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.
<b>Outside RF consulting Engineering Services</b>	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
<b>Attorney and Other Outside Consulting Services</b>	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
<b>RF Field Engineering Services</b>	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**

Services provided.

## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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
<b>Permit and Filing Costs</b>	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
<b>Other Miscellaneous Expenses</b>	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	<i>\$3,950.00</i>	\$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
<b>Sub-total</b>	\$612,570.00	\$466,087.89	N/A	\$296,553.28	N/A
<b>Total for all systems</b>	\$1,985,383.00	\$1,742,793.93	N/A	\$621,620.65	N/A

## Components

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





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:**

R&S ETLTV  
Analyser

**Amount:**

\$41,277.67

**Component Description:**

Disregard

**Amount:**

N/A

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
<b>Interim Antenna DLP8M</b>	<b>\$33,030.00</b>	<b>\$12,950.00</b>		<b>\$6,450.00</b>	
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
<b>Primary Antenna TFU-DSB- 6B/VP</b>	<b>\$33,030.00</b>	<b>\$29,240.00</b>		<b>\$8,209.60</b>	
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
<b>Sub-total</b>	<b>\$66,060.00</b>	<b>\$42,190.00</b>	N/A	<b>\$14,659.60</b>	N/A

<b>Total for all systems</b>	\$1,985,383.00	\$1,742,793.93	N/A	\$621,620.65	N/A
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## 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	<b>Component Description:</b> DLP8M Antenna <b>Amount:</b> \$6,450.00
Sweep test of existing antenna	<b>Component Description:</b> Sweep Test <b>Amount:</b> \$4,283.35
UHF - Lower Power Side Mount, Class A One Station antenna -- basic	<b>Component Description:</b> KHTV-CD Main Antenna <b>Amount:</b> \$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	\$621,620.65	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"		
	<b>Component Description:</b>	Transmission line and associated hardware.
	<b>Amount:</b>	\$5,700.29
	<b>Component Description:</b>	Transmission Line
	<b>Amount:</b>	\$12,511.11

## 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
<b>Auxiliary Tower LTOWER</b>	<b>\$96,800.00</b>	<b>\$83,900.00</b>		<b>\$60,106.15</b>	
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
<b>Primary Tower LTOWER</b>	<b>\$625,300.00</b>	<b>\$587,100.00</b>		<b>\$131,032.90</b>	
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
<b>Sub-total</b>	\$722,100.00	\$671,000.00	N/A	\$191,139.05	N/A
<b>Total for all systems</b>	\$1,985,383.00	\$1,742,793.93	N/A	\$621,620.65	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 (Final Payment)

**Amount:** \$21,525.00

**Component Description:** Tower equipment /Rigging

**Amount:** \$5,765.00

**Component Description:** DISREGARD

**Amount:** N/A

**Component Description:** Scaffolding and Misc. Hardware needed to rig tower.

**Amount:** \$1,407.15

**Component Description:** Scaffolding & misc. hardware needed to rig interim tower.

**Amount:** \$2,100.00

**Component Description:** Tower Rigging / Interim Antenna Installation (50% deposit)

**Amount:** \$23,544.00

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	<b>Component Description:</b>  <b>Amount:</b>	Broadcast Tower Mapping \$10,300.00
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<b>Component Description:</b>  <b>Amount:</b>	Scaffolding and misc. hardware needed to rig tower. \$708.40
	<b>Component Description:</b>  <b>Amount:</b>	50% Down Payment on Tower Work. \$48,100.00
	<b>Component Description:</b>  <b>Amount:</b>	Supply and installation of ice shield. \$3,792.00
	<b>Component Description:</b>  <b>Amount:</b>	Scaffolding and Misc. hardware needed to rig tower. \$632.50
	<b>Component Description:</b> <b>Amount:</b>	Disregard N/A

<b>Component Description:</b>	30% Mobilization Payment on Tower Work.
<b>Amount:</b>	\$28,860.00

<b>Component Description:</b>	Scaffolding & misc. hardware needed to rig main tower.
<b>Amount:</b>	\$7,900.00

<b>Component Description:</b>	20% Payment on Completion of Tower Work.
<b>Amount:</b>	\$19,240.00

<b>Component Description:</b>	Disregard
<b>Amount:</b>	N/A

<b>Component Description:</b>	Disregard
<b>Amount:</b>	N/A

<b>Component Description:</b>	DISREGARD
<b>Amount:</b>	N/A

<b>Component Description:</b>	DISREGARD
<b>Amount:</b>	N/A

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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:**

\$2,000.00

**Component Description:**

Broadcast  
Structural

**Amount:**

\$9,500.00

## 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
<b>Outside Professional Services</b>	<b>\$466,440.00</b>	<b>\$443,750.00</b>		<b>\$59,125.51</b>	
Additional Field Engineering Service, 8 Days	<i>\$16,000.00</i>	\$16,000.00	N/A	\$9,504.66	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
<b>Sub-total</b>	\$466,440.00	\$443,750.00	N/A	\$59,125.51	N/A
<b>Total for all systems</b>	\$1,985,383.00	\$1,742,793.93	N/A	\$621,620.65	N/A

## Components

Actual Information	
Description	File Name
Additional Field Engineering Service, 8 Days	<div> <div> <b>Component Description:</b> </div> <div> Additional field service engineering due to weather delay. Disregard previous version/submission of this invoice. </div> </div> <div> <b>Amount:</b> </div> <div> \$4,752.33 </div> <div> <b>Component Description:</b> </div> <div> Travel expenses for field service engineers. </div> <div> <b>Amount:</b> </div> <div> \$4,752.33 </div>
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:**

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

**Component Description:**

Prepare engineering section of FCC Form 2100, Construction Permit Application. Resubmitted to show invoice matches proposal.

**Amount:**

N/A

Perform engineering study for new channel assignment and antenna development	<div> <div><b>Component Description:</b></div> <div>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)</div> </div> <div> <div><b>Amount:</b></div> <div>\$1,200.00</div> </div>
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Prepare and or review reimbursement form	<div> <div><b>Component Description:</b></div> <div>Budget Review /Form Prep</div> </div> <div> <div><b>Amount:</b></div> <div>\$522.75</div> </div> <div> <div><b>Component Description:</b></div> <div>Budget Review /Form Prep</div> </div> <div> <div><b>Amount:</b></div> <div>\$945.85</div> </div> <div> <div><b>Component Description:</b></div> <div>Please Disregard.</div> </div> <div> <div><b>Amount:</b></div> <div>N/A</div> </div>
Project management of the transition	

<b>Component Description:</b>	Technical , Consultation and Planning Services. Attended a conference at Rohde and Schwartz on 3/6 /2017 concerning the 399 re-pack documentation.
<b>Amount:</b>	\$75.00

<b>Component Description:</b>	Technical , Consultation and Planning Services. Review and answering technical questions through a telephone conference call for the follow up report for the Re-pack.
<b>Amount:</b>	\$75.00

<b>Component Description:</b>	Site coordination and transition planning.
<b>Amount:</b>	\$5,000.00

<b>Component Description:</b>	Project Managment
<b>Amount:</b>	\$6,144.60

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,301.65

<b>Component Description:</b>	Project management.
<b>Amount:</b>	\$9,480.00

<b>Component Description:</b>	Re-pack consulting and updating
<b>Amount:</b>	\$75.00

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$330.00

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$6,709.40

<b>Component Description:</b>	Project management
<b>Amount:</b>	\$1,311.85

<b>Component Description:</b>	Technical , Consultation and Planning Services. Three conference calls .
<b>Amount:</b>	\$75.00

<b>Component Description:</b>	Technical , Consultation and Planning Services. Technical , Consultation and Planning Services with Sam Hariton (Widelity).
<b>Amount:</b>	\$75.00

<b>Component Description:</b>	Project Management Fees
<b>Amount:</b>	\$1,060.70

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,705.30

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,582.05

<b>Component Description:</b>	Please deny this invoice, it is a duplicate
<b>Amount:</b>	N/A

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,706.25

<b>Component Description:</b>	Technical Consultation and Planning Services
<b>Amount:</b>	\$54.60

<b>Component Description:</b>	Technical , Consultation and Planning Services.
<b>Amount:</b>	\$136.50

<b>Component Description:</b>	Technical Consultation and Planning Services.
<b>Amount:</b>	\$54.60

<b>Component Description:</b>	Project Management Fees
<b>Amount:</b>	\$684.20

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,109.85

<b>Component Description:</b>	Technical Consultation and Planning Services
<b>Amount:</b>	\$54.60

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,450.85

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,537.35

<b>Component Description:</b>	Technical Consultation and Planning Services.
<b>Amount:</b>	\$54.60

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,818.40

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,794.80

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## 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
<b>Other Expenses</b>	<b>\$86,825.00</b>	<b>\$86,225.00</b>		<b>\$26,602.17</b>	
Develop and air announcement of upcoming channel change	<i>\$15,000.00</i>	\$15,000.00	N/A	N/A	N/A
Equipment Storage	<i>\$2,000.00</i>	\$2,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$15,000.00</i>	\$15,000.00	N/A	\$6,967.17	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$10,000.00</i>	\$10,000.00	N/A	\$750.00	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	<i>\$12,800.00</i>	\$12,800.00	Please see the project estimation form from ATC	\$3,200.00	N/A

MVPD Notification of Channel Change	<b>\$2,000.00</b>	\$2,000.00	N/A	N/A	N/A
Local Zoning	<b>\$5,000.00</b>	\$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	<b>\$5,000.00</b>	\$5,000.00	N/A	N/A	N/A
Non-zoning permits	<b>\$7,030.00</b>	\$7,030.00	Permitting Costs were higher than anticipated.	\$7,030.00	Permitting Costs
<b>Sub-total</b>	\$86,825.00	\$86,225.00	N/A	\$26,602.17	N/A
<b>Total for all systems</b>	\$1,985,383.00	\$1,742,793.93	N/A	\$621,620.65	N/A

## Components

Actual Information	
Description	File Name
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.
Equipment Delivery and Handling Charges	<div> <b>Component Description:</b> Shipping charges for mask filter repair.  <b>Amount:</b> \$1,864.40 </div> <div> <b>Component Description:</b> Equipment Delivery and Handling Charges.  <b>Amount:</b> \$5,102.77 </div>



Disposal Costs (for equipment and other waste, net of any salvage value)	<b>Component Description:</b> Disposal of debris from repack site. <b>Amount:</b> \$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	<b>Component Description:</b> Interim Tower Rent - USE THIS SUBMISSION - DISREGARD DUPLICATE <b>Amount:</b> \$3,200.00  <b>Component Description:</b> N/A <b>Amount:</b> N/A  <b>Component Description:</b> Interim tower rent. <b>Amount:</b> \$3,200.00
MVPD Notification of Channel Change	Information not provided.
Local Zoning	Information not provided.
DTV Medical Facility Notification	<b>Component Description:</b> Notification of Medical Facilities <b>Amount:</b> \$8,655.00
Vehicle Rentals	Information not provided.

Non-zoning permits	<b>Component Description:</b>	County permit to install antenna on tower.
	<b>Amount:</b>	\$1,580.00
	<b>Component Description:</b>	Permitting fees and tower construction drawings for permitting process.
	<b>Amount:</b>	\$5,450.00

**Cost  
Information****Grand Total**

	<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>	<b>Actual Cost</b>
<b>Total for all systems</b>	\$1,985,383.00	\$1,742,793.93	\$621,620.65

**Reimbursement Status**

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<p>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.</p>	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> </ol>	

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.

<p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Andy Wilcoxson</b>  <i>General Manager</i></p> <p>08/14/2019</p>

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 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 AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

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.



<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Andy Wilcoxson</b>  <i>General Manager</i></p> <p>08/14/2019</p>

## Attachments