

Federal Communications Commission

### (REFERENCE COPY - Not for submission)

## FCC Form 399: Reimbursement Request

Facility ID:	35670	Service: DTV	Call Sign:	KTLA	Channel: 35 (UHF)
File Number:	000002	7879			
FRN: <b>000</b>	5047105	Date Submitted:	04/16 /2020		

## Applicant Name, Type, and Contact Information

Information	Applicant	Address	Phone	Email	Applicant Type
	<b>Tribune Media</b> <b>Company</b> Doing Business As: KTLA, LLC	David Cox 5800 Sunset Boulevard Los Angeles, CA 90028 United States	+1 (323) 460-5500	David. Cox@ktla. com	Limited Liability Company

#### Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

## Preparer Ontact Name and Information

Contact Information	Applicant	Address	Phone	Email
	Bill Vanduynhoven , Vanduynhov .	Bill Vanduynhoven	+1 (404) 312-8693	bvanduynhoven@nexstar. tv
	Sr Director of Engineering RF Systems	2211 Rabbit Hill Cir	0.2 0000	
	Nexstar Broadcasting	Dacula, GA 30019		
		United States		

Broadcaster	Question	Response
Information and Transition Plan	Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
	Briefly describe transition plan	New antenna and transmission line Replace transmitter and RF system Re-tune backup transmitter (2) Replace Backup Combiner

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

## Auxiliary Add Transmitter Information

#### Transmitter Question Section Response **Existing Transmitter** Type of change Retune Description Existing Use Auxiliary (Backup) Ownership Owned N/A Owner Is this transmitter currently shared with No another station? Yes Is this transmitter currently in operating condition? **Existing Transmitter** Manufacturer Harris Manufacturer and Type Model UAX-2000 Year 2010

Туре	Solid State
Solid State Cooling	Air Cooled
Solid State Power capacity	2 kW

Auxiliary Transmitter	Retuning Transmitter Costs				
	Section Question		Response		
	New IOT Tubes	Number of Tubes (including accessories) needed	N/A		
	New Mask Filter	Power	10 kW		
		Other Power	N/A		
	New Exciter	Is a new exciter needed?	No		

## Auxiliary Other Transmitter Costs

Auxiliary						
Transmitter	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	No			
		Description	N/A			
	HVAC Service	Does the replacement transmitter require HVAC Service?	No			
		Туре	N/A			
		Size	N/A			

	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Auxiliary Transmitter	Other Transmitter Cost Not Listed			
	Name	Description		
	Contract Managemant	Wireless infrastructure will manage the project for KTLA		

## Auxiliary Add Transmitter Information

Transmitter	Section	Question	Response
	Existing Transmitter Description	Type of change	Retune Existing
		Use	Auxiliary (Backup)
	Ov	Ownership	Owned
		Owner	N/A
		Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes	
	Existing Transmitter	Manufacturer	Harris
	Manufacturer and Type	Model	DVA9000A
		Year	2005

Туре	Solid State
Solid State Cooling	Air Cooled
Solid State Power capacity	9 kW

Auxiliary Transmitter	Retuning Transmitter Costs			
	Section	Question	Response	
	New IOT Tubes	Number of Tubes (including accessories) needed	N/A	
	New Mask Filter	Power	Other	
		Other Power	18 kW	
	New Exciter	Is a new exciter needed?	No	

## Auxiliary Other Transmitter Costs

Auxiliary			
Transmitter	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	No
		Description	N/A
	HVAC Service	Does the replacement transmitter require HVAC Service?	No
		Туре	N/A
		Size	N/A

	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Auxiliary Transmitter	Other Transmitter Cost Not Listed	
	Name	Description
	Retuning	Re-tune mask filter with Proof

Transmitter	Section	Question	Response
	Existing Transmitter Description	Type of change	Purchase New
		Use	Primary (Main)
		Description of Use	N/A
		Ownership	Owned
		Owner	N/A
		Site	N/A
		Is this transmitter currently shared with another station?	No
		Is this transmitter currently in operating condition?	No
	Existing Transmitter Manufacturer and Type	Manufacturer	
		Model	DCX-2
		Year	1998
		Туре	Inductive Output Tube
		IOT Power Type	Two
		Power Capacity	50 kW

# Primary Add Transmitter Information

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	UXLT-60
		Transmitter Type	Solid State
		Solid State Cooling	Liquid Cooled
		Solid State Power capacity	52 kW
		Justification for New Transmitter	Pre-transition transmitter can not be re- tuned per Manufacturer. Replacement transmitter installed in 2015. New RF system required for channel change. Comparable current model ULXTE-90

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	

### Other Transmitter Costs

	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Electrical Panels for new Transmitter
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	20 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		
	Name	Description	
	Ice Shield	Ice Shield over cooling system	
	RF System	Channel 35 RF system and installation	
	Disposal	Dispose of materials	

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

### Add Antenna Information

Auxiliary	Add Antenna Information			
Antenna	Section	Question	Response	
	Existing Antenna Description	Type of change	Retune Existing	
		Antenna Use	Auxiliary (Backup)	
		Description of Use	Auxiliary	
		Ownership	Leased	
		Owner	KCBS	
		Site	N/A	
		Is this antenna currently shared with any other stations?	Yes	
		Is this antenna directional?	Yes	
		Is antenna in operating condition?	Yes	
		Is antenna located on or in close proximity to an antenna farm?	No	
	Existing Antenna Manufacturer and Type	Class	Full Power	
		Mounting	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		Туре	Broadband Panel	
		Number of Stations Supported	3	
		Number of Panels	4	
		Design power capacity in use	80.0 %	
		Lower Limit	500.00 MHz	

Upper Limit	625.00 MHz
Other Antenna Type	N/A
ERP: (Effective Radiated Power)	75.0 kW
Manufacturer	Dielectric
Model	TAU-C2-8 /16-1
Year	2009

### Facility ID's and Call Signs of all stations with whom the antenna is shared.

Facility ID	Call Sign
47906	KNBC
9628	KCBS-TV

Auxiliary	Adjustment to Existing Antenna			
Antenna	Section	Question	Response	
	Sweep Test of Existing Antenna	Do you need a sweep test of existing antenna?	Yes	

## Auxiliary Other Antenna Costs

### Antenna

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	New
	Number of channels supported	3
	Frequencies of channels supported	RF channel
	Frequency	N/A

# Enter a list of RF channel numbers.

RF Channel Number 36 31 35

# Auxiliary Other Antenna Cost Not Listed

Antenna Information not provided.

Antenna         Section         Question         Response           Existing Antenna Description         Type of change         Purchase New         New           Antenna Use         Auxiliary (Backup)         Auxiliary (Backup)         Auxiliary (Backup)           Description of Use         Auxiliary (Backup)         Auxiliary (Backup)           Ownership         Owned         N/A           Site         N/A         Site         N/A           Is the existing antenna shared with another station or stations?         No         Ves           Is antenna in operating condition?         Yes         Yes           Is antenna located on or in close proximity to an antenna farm?         Yes         Full Power           Mounting         Class         Full Power         Side Mount	Auxiliary Antenna	Existing Antenna Information			
Description       New         Antenna Use       Auxiliary (Backup)         Description of Use       Auxiliary and Terpp         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       Side Mount       Not in Stack         Polarization       Slotted Coaxial       Coaxial         Type       Slotted Coaxial       N/A         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		Section	Question	Response	
(Backup)         Description of Use       Auxiliary and Temp         Ownership       Owned         Ownership       N/A         Site       N/A         Site existing antenna shared with another station or stations?       N/A         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         Manufacturer and Type       Class       Full Power         Manufacturer and Type       Class       Not in Stack         Polarization       Stite Autenna       Stite Autenna         Interna position in stack       Not in Stack       Not in Stack         Polarization       Station Canadition       Station Canadition         Type       Stoted Canadition       N/A         Is composition in stack       N/A       N/A         Is composition in stack       N/A       N/A         Intumber of Stations Supported       N/A       N/A         Is composition in use       N/A       N/A         Is composition in use       N/A       N/A         Is composition in stack       N/A       N/A         Is composition in stack       N/A       N/A <td>_</td> <td>Type of change</td> <td></td>		_	Type of change		
Image: Second			Antenna Use	-	
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         Manufacturer and Type       Class       Full Power         Mounting       Side Mount       Side Mount         Antenna position in stack       Not in Stack       Not in Stack         Polarization       Elliptical       Type       Slotted Coaxial         Number of Stations Supported       N/A       N/A         Design power capacity in use       N/A       N/A         Lower Limit       N/A       N/A			Description of Use	-	
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         Manufacturer and Type       Class       Full Power         Mounting       Side Mount         Antenna position in stack       Not in Stack         Polarization       Elliptical         Type       Slotted Coaxial         Number of Stations Supported       N/A         Number of Panels       N/A         Lower Limit       N/A         Upper Limit       N/A			Ownership	Owned	
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       Side Mount       Antenna position in stack       Not in Stack         Polarization       Elliptical       Type       Slotted Coaxial         Number of Stations Supported       N/A       N/A         Design power capacity in use       N/A       N/A         Upper Limit       N/A       N/A			Owner	N/A	
station or stations?       Yes         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       Side Mount       Side Mount         Antenna position in stack       Not in Stack       Polarization       Elliptical         Type       Slotted Coaxial       Coaxial       N/A         Number of Stations Supported       N/A       N/A         Lower Limit       N/A       N/A			Site	N/A	
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       Side Mount         Antenna position in stack       Not in Stack         Polarization       Elliptical         Type       Slotted Coaxial         Number of Stations Supported       N/A         Design power capacity in use       N/A         Lower Limit       N/A				No	
Is antenna located on or in close proximity to an antenna farm?       Yes         Existing Antenna Manufacturer and Type       Class       Full Power         Mounting       Side Mount         Antenna position in stack       Not in Stack         Polarization       Elliptical         Type       Slotted         Number of Stations Supported       N/A         Design power capacity in use       N/A         Lower Limit       N/A			Is the existing antenna directional?	Yes	
Existing Antenna Manufacturer and TypeClassFull PowerMountingSide MountAntenna position in stackNot in StackPolarizationEllipticalTypeSlotted CoaxialNumber of Stations SupportedN/ADesign power capacity in useN/ALower LimitN/A			Is antenna in operating condition?	Yes	
Manufacturer and Type       Mounting       Side Mount         Mounting       Antenna position in stack       Not in Stack         Polarization       Elliptical         Type       Slotted         Number of Stations Supported       N/A         Design power capacity in use       N/A         Lower Limit       N/A         Upper Limit       N/A				Yes	
MountingSide MountAntenna position in stackNot in StackPolarizationEllipticalTypeSlotted CoaxialNumber of Stations SupportedN/ANumber of PanelsN/ADesign power capacity in useN/ALower LimitN/ANyper LimitN/A		-	Class	Full Power	
PolarizationEllipticalTypeSlotted CoaxialNumber of Stations SupportedN/ANumber of PanelsN/ADesign power capacity in useN/ALower LimitN/AUpper LimitN/A			Mounting	Side Mount	
TypeSlotted CoaxialNumber of Stations SupportedN/ANumber of PanelsN/ADesign power capacity in useN/ALower LimitN/AUpper LimitN/A			Antenna position in stack	Not in Stack	
CoaxialNumber of Stations SupportedN/ANumber of PanelsN/ADesign power capacity in useN/ALower LimitN/AUpper LimitN/A			Polarization	Elliptical	
Number of Panels       N/A         Design power capacity in use       N/A         Lower Limit       N/A         Upper Limit       N/A			Туре		
Design power capacity in use       N/A         Lower Limit       N/A         Upper Limit       N/A			Number of Stations Supported	N/A	
Lower Limit     N/A       Upper Limit     N/A			Number of Panels	N/A	
Upper Limit N/A			Design power capacity in use	N/A	
			Lower Limit	N/A	
Other Antenna Type N/A			Upper Limit	N/A	
			Other Antenna Type	N/A	
ERP: (Effective Radiated Power) 500.0 kW			ERP: (Effective Radiated Power)	500.0 kW	

### Existing Antenna Information

	Manufacturer	
	Model	TFU-12DSC /CP-R CT170SP
	Year	1998

Auxiliary	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Auxiliary (Backup)	
		Description of Use	Standby	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	No	
		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	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Elliptical	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels/Bays	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Design power capacity in use	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	500.0 kW	
		Manufacturer		
		Model	TFU-12DSC	

	/CP-R
Year	1998
Justification for New Antenna	Single channel antenna will not work on Ch 35

Antenna	Section	Question	Response
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
		Туре	
		Number of channels supported	N/A
		Frequencies of channels supported	N/A
		Frequency	N/A
		Do you need a combiner output splitter /switcher for dual feed lines?	N/A
	Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
		Broadband or Single Channel?	Single Channel
		Feed Line Size	6 1/8 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

## Auxiliary Other Antenna Costs

## Auxiliary Other Antenna Cost Not Listed

Antenna Information not provided.

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	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Elliptical	
		Туре	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)	1000.0 kW	

Manufacturer	
Model	TFU-28DSC /VP-R CT170SP
Year	2003

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?	No	
		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	Тор	
		Polarization	Elliptical	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels/Bays	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Design power capacity in use	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	1000.0 kW	
		Manufacturer		
		Model	TFU-27ETT	

	/VP-R CT140
Year	2018
Justification for New Antenna	Current antenna will only work on Ch 31 Change to Top mount to reduce overall costs Quotes attached

#### Antenna Section Question Response **Combiner for Shared** Do you need a Combiner for a Shared No Antenna Antenna? Туре Number of channels supported N/A N/A Frequencies of channels supported N/A Frequency Do you need a combiner output splitter N/A /switcher for dual feed lines? Yes **Elbow Complex** Do you require the separate purchase of the Elbow Complex? Broadband or Single Channel? Single Channel Feed Line Size 6 1/8 inches inches Side Mount Brackets Do you require the separate purchase of No side mount brackets for a high power antenna? **Pattern Scatter Analysis** Do you require separate purchase of No

pattern scatter analysis for a side mount

**Other Antenna Costs** 

**Primary** 

	high or medium power antenna?	
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Primary	Other Antenna Cost Not Listed	
Antenna	Name	Description
	Mount	Tower interface Bury Mount

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

ransmissio	Section	Question	Response
	Existing Transmission Line Description	Type of change	Purchase New
		Use	Primary (Main)
		Description of Use	N/A
		Ownership	Owned
		Owner	N/A
		Site	N/A
		Is the existing transmission line shared with another station or stations?	No
		Is Transmission Line in operating condition?	Yes
	Existing Transmission Line Manufacturer and Type	Manufacturer	
		Туре	Rigid
		Diameter	6 1/8 inches
		Other Diameter	N/A
		Segment Length	20 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	465 feet per run

## Primary Existing Transmission Line

Primary	New Transmission Line		
Transmissio	Section	Question	Response
	New Transmission Line Costs	Use	Primary (Main)
		Description of Use	N/A
		Change Type	Purchase New
		Is this a request for upgraded equipment?	No
		Туре	Rigid
		Diameter	6 1/8 inches
		Other Diameter	N/A
		Segment Length	20 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	374 feet per run
		Justification for New Transmission Line	Exiting will remain in SVS feeding existing antenna to not disrupt the viewers. Adding temp line would not be cost effective.

### Other Transmission Line Expenses Not Listed Transmission

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

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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	Owned
		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?	Yes
		Is tower compliant with Rev G?	No
	Existing Tower Structure Registration Coordinates (NAD83 ( North American Datum of 1983))	Do you have a tower registration number?	Yes
		ASR Number	1053804
		Latitude (NAD83)	34° 13' 36.0" N-
		Longitude (NAD83)	118° 03' 59.0" W-
		Overall Structure Height	475.72 feet
		Support Structure Height	412.72 feet
		Ground Elevation Above Mean Sea Level (AMSL)	5698.75 feet

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	KTLA, LLC
	Date Constructed	09/01/1988

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:	No reinforcements needed

### **Tower Modification Costs**

## **Tower Rigging Costs** Primary Tower

ower	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	
	Study Multiple	Additional tower study's to find a solution	

Outside	Section	Question	Response
Professional	Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	800
		Explanation	Coordination of Activities on Mt Wilson that is remote from KTLA studio requires a professions svs contractor
	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	Yes
		For Main Facility	Yes
		Prepare engineering section of Form FCC License to Cover Application	Yes
		For Auxiliary Facility	Yes
		For Main Facility	Yes
		Prepare request for Special Temporary Authority	Yes
		Quantity	2
		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	No
		For Auxiliary Facility	N/A

	For Main Facility	N/A
	Prepare and file Form FCC License to Cover Application	No
	For Auxiliary Facility	N/A
	For Main Facility	N/A
	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	No
	Prepare or Review FCC Form 399 for Reimbursement	No
	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 Other Professional Services Expenses Not Listed

Professional Services Gostsided.

Other	Section	Question	Response
Expenses	AM Pattern Disturbance	Is an Impact Study needed?	No
		Is Remediation needed?	No
	Facility Expenses	Name	N/A
		Other Distributed Transmission System Expenses Not listed	N/A
		Name	N/A
		Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
	Permit and Filing Costs	Local Zoning	No
		Non-zoning permits	No
		BLM or NFS Coordination	No
		FCC Construction Permit Minor Change	Yes
		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?	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 Not Listed

Other Expenses	Other Expenses Not Listed			
	Name	Description		
	State Taxes	California State Taxes		

### Transmitters

### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter UXLT-60	\$2,225,950.00	\$1,421,644.00		\$1,396,195.45	
Disposal	\$5,580.00	\$5,580.00	N/A	N/A	N/A
RF System	\$321,000.00	\$321,000.00	N/A	\$320,412.06	N/A
Ice Shield	\$9,980.00	\$9,980.00	N/A	\$0.00	N/A
Other HVAC Service Type: C Size:20 (Other)	\$25,000.00	\$25,000.00	N/A	\$15,700.00	N/A
Other Electrical Service: Electrical Panels for new Transmitter	\$76,390.00	\$76,390.00	N/A	\$76,390.00	N/A
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$983,694.00	N/A	\$983,693.39	N/A
Auxiliary Transmitter UAX-2000	\$134,699.00	\$84,089.00		\$73,062.84	
Contract Managemant	\$21,189.00	\$21,189.00	N/A	\$21,189.00	N/A
10 kW mask filter	\$8,310.00	\$7,900.00	N/A	N/A	N/A
UHF and	\$105,200.00	\$55,000.00	N/A	\$51,873.84	N/A

VHF - minor banding issues					
Auxiliary Transmitter DVA9000A	\$117,200.00	\$67,000.00		\$11,848.25	
UHF and VHF - minor banding issues	\$105,200.00	\$55,000.00	N/A	\$11,848.25	N/A
Retuning	\$12,000.00	\$12,000.00	N/A	N/A	N/A
Other 18 kW mask filter	\$0.00	\$0.00	N/A	N/A	N/A
Sub-total	\$2,477,849.00	\$1,572,733.00	N/A	\$1,481,106.54	N/A
Total for all systems	\$3,985,552.50	\$2,775,020.44	N/A	\$2,470,790.42	N/A

### Components

Actual Information Description	File Name	
Disposal	Information not provided.	
RF System		
	Component Description:	Installation, proof and freight
	Amount:	\$66,561.91
	Component Description:	channel change Primary
	Amount:	\$53,128.32
	Component Description:	channel change Primary
	Amount:	\$96,067.86

	Component Description: Amount:	channel change Primary \$104,653.97
Ice Shield	Information not provided.	
Other HVAC Service Type: C Size:20 (Other)	Component Description: Amount:	HVAC work done for new transmitter \$15,700.00
Other Electrical Service: Electrical Panels for new Transmitter	Component Description: Amount:	Electrical work done for the new transmitter \$38,195.00
	Component Description:	Electrical work done for new transmitter
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	Amount: Component Description:	\$38,195.00 Repack Transmitter
	Amount:	installed in 2016 See spread sheet on Attachment \$983,693.39
Contract Managemant	Component Description: Amount:	Project Management \$10,594.50
	Component Description: Amount:	Project Management \$10,594.50
10 kW mask filter	Information not provided.	

UHF and VHF - minor banding issues		
banding issues	Component Description:	channel change
	Amount:	Aux \$17,354.63
	Amount:	\$17,354.63
	Component Description:	channel change
		Aux
	Amount:	\$431.19
	Component Description:	channel change
		Aux
	Amount:	\$15,848.98
	Component Description:	channel change
	Amount:	Aux
		\$18,239.04
UHF and VHF - minor banding issues	Component Description	second payment
	Component Description:	second payment - channel change
	Amount:	\$3,713.87
	Component Description:	third payment -
		channel change
	Amount:	\$4,067.70
	Component Description:	deposit for
		channel change
	Amount:	\$4,066.68
	Information not provided.	
Retuning		

### Antennas

### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna TFU-27ETT /VP-R CT140	\$378,138.00	\$347,177.74		\$346,537.74	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$11,906.00	Quote price	\$11,906.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A
UHF - High Power Top Mount (200- 1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$259,263.74	N/A	\$259,263.74	N/A
Mount	\$69,608.00	\$69,608.00	Quote attached	\$69,608.00	N/A
Auxiliary Antenna TAU-C2-8 /16-1	\$90,930.00	\$66,400.00		\$19,940.74	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A

New combiner, cost per channel (without antenna)	\$84,200.00	\$60,000.00	N/A	\$19,940.74	N/A
Auxiliary Antenna TFU-12DSC /CP-R	\$177,837.50	\$175,507.50		\$171,791.00	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,300.00	N/A	\$10,297.50	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A
UHF - High Power, Side Mount, basic slot antenna, 500 kW input, directional,, elliptically or circularly polarized	\$158,807.50	\$158,807.50	N/A	\$155,733.50	N/A
Sub-total	\$646,905.50	\$589,085.24	N/A	\$538,269.48	N/A
Total for all systems	\$3,985,552.50	\$2,775,020.44	N/A	\$2,470,790.42	N/A

Actual Information Description	File Name
Description	i no humo
Elbow complex, single	

channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description: Amount:	Input complex \$5,357.70
	Component Description: Amount:	3rd payment - input complex \$1,190.60
	Component Description: Amount:	INPUT COMPLEX \$5,357.70
Sweep test of existing antenna	Component Description: Amount:	SWEEP TEST \$2,880.00
	Component Description: Amount:	SWEEP TEST \$2,880.00
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	Component Description: Amount:	LINE 1 OF INVOICE \$4,633.87
	Component Description: Amount:	VPOL \$13,128.75
	Component Description: Amount:	PRIMARY ANTENNA \$99,370.35
	Component Description: Amount:	LINE 1 OF INVOICE \$4,633.87

	Component Description:	3rd payment on ANT TFU-27-ET /VP-R C140
	Amount:	\$22,080.30
	Component Description:	3rd payment VPC
	Amount:	\$2,917.50
	Component Description:	PRIMARY
		ANTENNA
	Amount:	\$99,370.35
	Component Description:	VPOL
	Amount:	\$13,128.75
Mount		
	Component Description:	BURY/WEDDING CAKE
	Amount:	\$31,323.60
	Component Description:	3rd payment -
		Wedding Cake adapter
	Amount:	\$6,960.80
	Component Description:	BURY/WEDDING
		CAKE
	Amount:	\$31,323.60
Sweep test of existing antenna	Information not provided.	
New combiner, cost per channel (without antenna)		
	Component Description:	Our portion of the combiner
	Amount:	\$19,940.74
Elbow complex, single		
channel, at antenna input,		

per 6 1/8. feedline (if needed)	Component Description: Amount:	last 10% of elbow complex \$1,029.74
	Component Description: Amount:	ELBOW COMPLEX \$4,633.88
	Component Description: Amount:	ELBOW COMPLEX \$4,633.88
Sweep test of existing antenna	Component Description: Amount:	SWEEP TEST \$2,880.00
	Component Description: Amount:	SWEEP TEST \$2,880.00
UHF - High Power, Side Mount, basic slot antenna, 500 kW input, directional,, elliptically or circularly polarized	Component Description: Amount:	VPOL \$6,210.00
	Component Description: Amount:	VPOL Components \$853.00
	Component Description:	Antenna - applied to this component because of zero balance invoice.
	Amount: Component Description:	\$9,267.76 TFU-12DSC/VP-R
	Amount:	\$65,253.37

Component Description: Amount:	TFU-12DSC/VP-R \$65,253.37
Component Description: Amount:	VPOL \$6,210.00
Component Description:	cut pieces need for install lines 2
Amount:	and 3 of invoice \$2,686.00

## **Transmission Line**

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$75,548.00	\$76,529.16		\$76,529.16	
Rigid Transmission Line - copper, 6 1/8"	\$75,548.00	\$76,529.16	see change orders	\$76,529.16	N/A
Sub-total	\$75,548.00	\$76,529.16	N/A	\$76,529.16	N/A
Total for all systems	\$3,985,552.50	\$2,775,020.44	N/A	\$2,470,790.42	N/A

Actual Information Description	File Name	
Rigid Transmission Line - copper, 6 1/8"	Component Description: Amount:	cut pieces needed to finish job. \$2,604.00
	Component Description: Amount:	TRANSMISSION LINE \$25,306.16
	Component Description: Amount:	TLSCR'S \$2,319.98
	Component Description: Amount:	cut pieces lines 1 and 2 \$5,155.50

Component Description: Amount:	3rd payment - transmission line \$5,146.08
Component Description: Amount:	change order parts - needed to complete job. \$5,111.40
Component Description: Amount:	TLSCR'S \$2,319.98
Component Description: Amount:	TRANSMISSION LINE \$25,306.16
Component Description: Amount:	cut pieces \$3,259.90

## **Tower Equipment and Rigging Costs**

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$451,100.00	\$223,800.00		\$207,700.00	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$208,000.00	N/A	\$207,700.00	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$12,000.00	N/A	N/A	N/A
Study Multiple	\$3,800.00	\$3,800.00	N/A	N/A	N/A
Sub-total	\$451,100.00	\$223,800.00	N/A	\$207,700.00	N/A
Total for all systems	\$3,985,552.50	\$2,775,020.44	N/A	\$2,470,790.42	N/A

Actual Information Description	File Name
Complex Tower (includes, for example, those with candelabras and/or stacked	

	Component Description: Amount:	Main Antenna Modification \$98,350.00
	Component Description: Amount:	rigging costs \$29,850.00
	Component Description: Amount:	rigging costs \$30,850.00
	Component Description: Amount:	Main Antenna Modification \$48,650.00
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.	
Study Multiple	Information not provided.	

#### **Outside Professional Services**

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$169,960.00	\$150,358.04		\$109,858.04	
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$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
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100,	\$2,105.00	\$2,000.00	N/A	N/A	N/A

Construction Permit Application					
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	N/A	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
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Project management of the transition	\$126,400.00	\$109,858.04	N/A	\$109,858.04	N/A
Sub-total	\$169,960.00	\$150,358.04	N/A	\$109,858.04	N/A
Total for all systems	\$3,985,552.50	\$2,775,020.44	N/A	\$2,470,790.42	N/A

Actual Information Description	File Name
Prepare request for Special Temporary Authorization	Information not provided.
RF Consulting Engineer	Information not provided.

Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application		
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Perform engineering study for new channel assignment and antenna development	Information not provided.	
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
RF Exposure Measurements	Information not provided.	
Project management of the transition	Component Description: Amount:	Project Management \$13,673.75
	Component Description:	Project Management
	Amount:	\$34,979.79
	Component Description:	Project Management
	Amount:	\$22,174.25
	Component Description:	Project
		Management

#### **Other Expenses**

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$164,190.00	\$162,515.00		\$57,327.20	
State Taxes	\$50,000.00	\$50,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$5,000.00	\$5,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$5,250.00	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$0.00	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
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Equipment Delivery and Handling	\$51,000.00	\$51,000.00	N/A	\$50,157.20	N/A

Charges					
Equipment Storage	\$20,000.00	\$20,000.00	N/A	\$1,920.00	N/A
Develop and air announcement of upcoming channel change	\$0.00	\$0.00	N/A	N/A	N/A
Sub-total	\$164,190.00	\$162,515.00	N/A	\$57,327.20	N/A
Total for all systems	\$3,985,552.50	\$2,775,020.44	N/A	\$2,470,790.42	N/A

Actual Information Description	File Name	
State Taxes	Information not provided.	
MVPD Notification of Channel Change	Information not provided.	
DTV Medical Facility Notification	Component Description: Amount:	Medical testing \$5,250.00
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
Equipment Delivery and Handling Charges	Component Description: Amount:	Freight and Shipping \$13,776.75

	Component Description:	Freight and Shipping
	Amount:	\$4,952.58
	Component Description:	Freight and
	Amount:	Shipping \$1,474.04
	Component Description:	Freight, Shipping, and Handling
	Amount:	\$24,935.64
	Component Description:	Freight and
		Shipping
	Amount:	\$5,018.19
Equipment Storage		
	Component Description:	storage fees
	Amount:	\$1,920.00
Develop and air announcement of upcoming channel change	Information not provided.	

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$3,985,552.50	\$2,775,020.44	\$2,470,790.42

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
		<ol> <li>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>The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	
		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.	
		<ul> <li>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</li> </ul>	

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.
- 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 Teri Ann an authorized representative of the above-Guillory named applicant for the Authorization(s) Broadcasting specified above. Operations

04/16/2020

### Attachments