



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **35670** | Service: **DTV** | Call **KTLA** | Channel: **35 (UHF)**  
ID: | Sign:  
File **0000027879**  
Number:  
FRN: **0005047105** | Date **04/16**  
Submitted: **/2020**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>Tribune Media Company</b> Doing Business As: KTLA, LLC	David Cox 5800 Sunset Boulevard Los Angeles, CA 90028 United States	+1 (323) 460-5500	David. Cox@ktnl. 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
<b>Bill Vanduyndhoven , Vanduyndhov .</b> <i>Sr Director of Engineering RF Systems Nexstar Broadcasting</i>	Bill Vanduyndhoven 2211 Rabbit Hill Cir Dacula, GA 30019 United States	+1 (404) 312-8693	bvanduyndhoven@nexstar. tv

**Broadcaster Information and Transition Plan**

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	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 Transmitter**

**Add Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	Type of change	Retune Existing
	Use	Auxiliary (Backup)
	Ownership	Owned
	Owner	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	Harris
	Model	UAX-2000
	Year	2010

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

**Auxiliary Transmitter**

**Retuning Transmitter Costs**

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

**Auxiliary Transmitter**

**Other Transmitter Costs**

Section	Question	Response
<b>Electrical Service</b>	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
<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

**Other Transmitter Cost Not Listed**

**Auxiliary Transmitter**

Name	Description
<b>Contract Managemant</b>	Wireless infrastructure will manage the project for KTLA

**Add Transmitter Information**

**Auxiliary Transmitter**

Section	Question	Response
<b>Existing Transmitter Description</b>	Type of change	Retune Existing
	Use	Auxiliary (Backup)
	Ownership	Owned
	Owner	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	Harris
	Model	DVA9000A
	Year	2005

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

**Auxiliary  
Transmitter**

**Retuning Transmitter Costs**

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

**Auxiliary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
<b>Electrical Service</b>	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
<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

**Auxiliary Transmitter**

**Other Transmitter Cost Not Listed**

Name	Description
Retuning	Re-tune mask filter with Proof

**Primary  
Transmitter**

**Add Transmitter Information**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<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?	No
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	DCX-2
	Year	1998
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 kW

**Primary Transmitter**

**New Transmitter Costs**

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



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

**Antennas**

Section	Question	Response
<b>Antenna Related Expenses</b>	Do you have antenna related expenses?	Yes

**Auxiliary  
Antenna****Add Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	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
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	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 Antenna**

**Adjustment to Existing Antenna**

Section	Question	Response
<b>Sweep Test of Existing Antenna</b>	Do you need a sweep test of existing antenna?	Yes

**Auxiliary Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	Yes
	Type	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 Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Auxiliary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	Auxiliary and Temp
	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
<b>Existing Antenna Manufacturer and Type</b>	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
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	500.0 kW

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

**Auxiliary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	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
	<b>New Antenna Manufacturer and Types</b>	Class
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)		500.0 kW
Manufacturer		
Model	TFU-12DSC	

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

## Auxiliary 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?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches
<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?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes



**Auxiliary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	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
<b>Existing Antenna Manufacturer and Type</b>	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
	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
<b>New Antenna Description</b>	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
<b>New Antenna Manufacturer and Types</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Top
	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)	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

**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?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches
<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	No

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

**Primary Antenna**

**Other Antenna Cost Not Listed**

Name	Description
Mount	Tower interface Bury Mount

**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	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 Transmission Line**      **New 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	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	Existing will remain in SVS feeding existing antenna to not disrupt the viewers. Adding temp line would not be cost effective.

**Primary Transmission Line**      **Other Transmission Line Expenses Not Listed**

Information not provided.

**Tower Equipment And Rigging Costs**

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

**Primary Tower**

**Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	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
Existing Tower Structure Registration	Is tower compliant with Rev G?	No
	Do you have a tower registration number?	Yes
Coordinates (NAD83 (North American Datum of 1983))	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

**Primary Tower**

**Tower Rigging Costs**

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

**Primary Tower**

**Other Tower Expenses Not Listed**

Name	Description
Study Multiple	Additional tower study's to find a solution

**Outside Professional Services Costs**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<b>Outside Project Management Services</b>	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 svcs contractor
<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	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
<b>Attorney and Other Outside Consulting Services</b>	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
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

**Outside Professional Services Costs**      **Other Professional Services Expenses Not Listed**  
Information not provided.

**Other Expenses**

Section	Question	Response
<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	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
<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
State Taxes	California State Taxes

**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
<b>Primary Transmitter UXLT-60</b>	<b>\$2,225,950.00</b>	<b>\$1,421,644.00</b>		<b>\$1,396,195.45</b>	
Disposal	<i>\$5,580.00</i>	\$5,580.00	N/A	N/A	N/A
RF System	<i>\$321,000.00</i>	\$321,000.00	N/A	\$320,412.06	N/A
Ice Shield	<i>\$9,980.00</i>	\$9,980.00	N/A	\$0.00	N/A
Other -- HVAC Service Type: C Size:20 (Other)	<i>\$25,000.00</i>	\$25,000.00	N/A	\$15,700.00	N/A
Other Electrical Service: Electrical Panels for new Transmitter	<i>\$76,390.00</i>	\$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
<b>Auxiliary Transmitter UAX-2000</b>	<b>\$134,699.00</b>	<b>\$84,089.00</b>		<b>\$73,062.84</b>	
Contract Management	<i>\$21,189.00</i>	\$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

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

## Components

Actual Information	
Description	File Name
Disposal	Information not provided.
RF System	<p><b>Component Description:</b> channel change Primary <b>Amount:</b> \$96,067.86</p> <p><b>Component Description:</b> Installation, proof and freight <b>Amount:</b> \$66,561.91</p> <p><b>Component Description:</b> channel change Primary <b>Amount:</b> \$104,653.97</p>

	<p><b>Component Description:</b> channel change Primary</p> <p><b>Amount:</b> \$53,128.32</p>
Ice Shield	Information not provided.
Other -- HVAC Service Type: C Size:20 (Other)	<p><b>Component Description:</b> HVAC work done for new transmitter</p> <p><b>Amount:</b> \$15,700.00</p>
Other Electrical Service: Electrical Panels for new Transmitter	<p><b>Component Description:</b> Electrical work done for the new transmitter</p> <p><b>Amount:</b> \$38,195.00</p> <p><b>Component Description:</b> Electrical work done for new transmitter</p> <p><b>Amount:</b> \$38,195.00</p>
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	<p><b>Component Description:</b> Repack Transmitter installed in 2016 See spread sheet on Attachment</p> <p><b>Amount:</b> \$983,693.39</p>
Contract Managemant	<p><b>Component Description:</b> Project Management</p> <p><b>Amount:</b> \$10,594.50</p> <p><b>Component Description:</b> Project Management</p> <p><b>Amount:</b> \$10,594.50</p>
10 kW mask filter	Information not provided.

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

**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>Primary Antenna TFU-27ETT /VP-R CT140</b>	<b>\$378,138.00</b>	<b>\$347,177.74</b>		<b>\$346,537.74</b>	
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	<i>\$69,608.00</i>	\$69,608.00	Quote attached	\$69,608.00	N/A
<b>Auxiliary Antenna TAU-C2-8 /16-1</b>	<b>\$90,930.00</b>	<b>\$66,400.00</b>		<b>\$19,940.74</b>	
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
<b>Auxiliary Antenna TFU-12DSC /CP-R</b>	<b>\$177,837.50</b>	<b>\$175,507.50</b>		<b>\$171,791.00</b>	
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	<i>\$158,807.50</i>	\$158,807.50	N/A	\$155,733.50	N/A
<b>Sub-total</b>	<b>\$646,905.50</b>	<b>\$589,085.24</b>	<b>N/A</b>	<b>\$538,269.48</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$3,985,552.50</b>	<b>\$2,775,020.44</b>	<b>N/A</b>	<b>\$2,470,790.42</b>	<b>N/A</b>

## Components

Actual Information	
Description	File Name
Elbow complex, single	

channel, at antenna input,  
per 6 1/8. feedline (if  
needed)

**Component Description:** 3rd payment -  
input complex  
**Amount:** \$1,190.60

**Component Description:** Input complex  
**Amount:** \$5,357.70

**Component Description:** INPUT COMPLEX  
**Amount:** \$5,357.70

Sweep test of existing  
antenna

**Component Description:** SWEEP TEST  
**Amount:** \$2,880.00

**Component Description:** SWEEP TEST  
**Amount:** \$2,880.00

UHF - High Power Top  
Mount (200-1000 kW), One  
station antenna , elliptically  
or circularly polarized

**Component Description:** VPOL  
**Amount:** \$13,128.75

**Component Description:** 3rd payment on  
ANT TFU-27-ETT  
/VP-R C140  
**Amount:** \$22,080.30

**Component Description:** 3rd payment VPOL  
**Amount:** \$2,917.50

**Component Description:** LINE 1 OF  
INVOICE  
**Amount:** \$4,633.87

	<p><b>Component Description:</b> PRIMARY ANTENNA</p> <p><b>Amount:</b> \$99,370.35</p>
	<p><b>Component Description:</b> PRIMARY ANTENNA</p> <p><b>Amount:</b> \$99,370.35</p>
	<p><b>Component Description:</b> LINE 1 OF INVOICE</p> <p><b>Amount:</b> \$4,633.87</p>
	<p><b>Component Description:</b> VPOL</p> <p><b>Amount:</b> \$13,128.75</p>
Mount	<p><b>Component Description:</b> BURY/WEDDING CAKE</p> <p><b>Amount:</b> \$31,323.60</p>
	<p><b>Component Description:</b> 3rd payment - Wedding Cake adapter</p> <p><b>Amount:</b> \$6,960.80</p>
	<p><b>Component Description:</b> BURY/WEDDING CAKE</p> <p><b>Amount:</b> \$31,323.60</p>
Sweep test of existing antenna	Information not provided.
New combiner, cost per channel (without antenna)	<p><b>Component Description:</b> Our portion of the combiner</p> <p><b>Amount:</b> \$19,940.74</p>
Elbow complex, single channel, at antenna input,	

per 6 1/8. feedline (if needed)

**Component Description:** ELBOW  
COMPLEX  
**Amount:** \$4,633.88

**Component Description:** last 10% of elbow  
complex  
**Amount:** \$1,029.74

**Component Description:** ELBOW  
COMPLEX  
**Amount:** \$4,633.88

Sweep test of existing antenna

**Component Description:** SWEEP TEST  
**Amount:** \$2,880.00

**Component Description:** SWEEP TEST  
**Amount:** \$2,880.00

UHF - High Power, Side Mount, basic slot antenna, 500 kW input, directional,, elliptically or circularly polarized

**Component Description:** TFU-12DSC/VP-R  
**Amount:** \$65,253.37

**Component Description:** VPOL  
**Amount:** \$6,210.00

**Component Description:** TFU-12DSC/VP-R  
**Amount:** \$65,253.37

**Component Description:** Antenna - applied to this component because of zero balance invoice.  
**Amount:** \$9,267.76



**Component Description:** VPOL  
Components  
**Amount:** \$853.00

**Component Description:** VPOL  
**Amount:** \$6,210.00

**Component Description:** cut pieces need  
for install lines 2  
and 3 of invoice  
**Amount:** \$2,686.00

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**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
<b>Primary Transmission Line</b>	<b>\$75,548.00</b>	<b>\$76,529.16</b>		<b>\$76,529.16</b>	
Rigid Transmission Line - copper, 6 1/8"	\$75,548.00	\$76,529.16	see change orders	\$76,529.16	N/A
<b>Sub-total</b>	<b>\$75,548.00</b>	<b>\$76,529.16</b>	N/A	<b>\$76,529.16</b>	N/A
<b>Total for all systems</b>	<b>\$3,985,552.50</b>	<b>\$2,775,020.44</b>	N/A	<b>\$2,470,790.42</b>	N/A

**Components**

Actual Information	
Description	File Name
Rigid Transmission Line - copper, 6 1/8"	<b>Component Description:</b> cut pieces needed to finish job. <b>Amount:</b> \$2,604.00
	<b>Component Description:</b> change order parts - needed to complete job. <b>Amount:</b> \$5,111.40
	<b>Component Description:</b> 3rd payment - transmission line <b>Amount:</b> \$5,146.08
	<b>Component Description:</b> TLSCR'S <b>Amount:</b> \$2,319.98

**Component Description:** TLSCR'S  
**Amount:** \$2,319.98

**Component Description:** TRANSMISSION  
LINE  
**Amount:** \$25,306.16

**Component Description:** cut pieces lines 1  
and 2  
**Amount:** \$5,155.50

**Component Description:** TRANSMISSION  
LINE  
**Amount:** \$25,306.16

**Component Description:** cut pieces  
**Amount:** \$3,259.90

---

**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>Primary Tower TOWER</b>	<b>\$451,100.00</b>	<b>\$223,800.00</b>		<b>\$207,700.00</b>	
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	<i>\$3,800.00</i>	\$3,800.00	N/A	N/A	N/A
<b>Sub-total</b>	<b>\$451,100.00</b>	<b>\$223,800.00</b>	<b>N/A</b>	<b>\$207,700.00</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$3,985,552.50</b>	<b>\$2,775,020.44</b>	<b>N/A</b>	<b>\$2,470,790.42</b>	<b>N/A</b>

**Components**

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

antennas)

**Component Description:** rigging costs  
**Amount:** \$29,850.00

**Component Description:** Main Antenna  
Modification  
**Amount:** \$98,350.00

**Component Description:** rigging costs  
**Amount:** \$30,850.00

**Component Description:** Main Antenna  
Modification  
**Amount:** \$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.

**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>\$169,960.00</b>	<b>\$150,358.04</b>		<b>\$109,858.04</b>	
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
<b>Sub-total</b>	<b>\$169,960.00</b>	<b>\$150,358.04</b>	<b>N/A</b>	<b>\$109,858.04</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$3,985,552.50</b>	<b>\$2,775,020.44</b>	<b>N/A</b>	<b>\$2,470,790.42</b>	<b>N/A</b>

## Components

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	<table> <tr> <td><b>Component Description:</b></td> <td>Project Management</td> </tr> <tr> <td><b>Amount:</b></td> <td>\$34,979.79</td> </tr> <tr> <td><b>Component Description:</b></td> <td>Project Management</td> </tr> <tr> <td><b>Amount:</b></td> <td>\$22,174.25</td> </tr> <tr> <td><b>Component Description:</b></td> <td>Project Management</td> </tr> <tr> <td><b>Amount:</b></td> <td>\$39,030.25</td> </tr> <tr> <td><b>Component Description:</b></td> <td>Project Management</td> </tr> <tr> <td><b>Amount:</b></td> <td>\$13,673.75</td> </tr> </table>	<b>Component Description:</b>	Project Management	<b>Amount:</b>	\$34,979.79	<b>Component Description:</b>	Project Management	<b>Amount:</b>	\$22,174.25	<b>Component Description:</b>	Project Management	<b>Amount:</b>	\$39,030.25	<b>Component Description:</b>	Project Management	<b>Amount:</b>	\$13,673.75
<b>Component Description:</b>	Project Management																
<b>Amount:</b>	\$34,979.79																
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<b>Component Description:</b>	Project Management																
<b>Amount:</b>	\$39,030.25																
<b>Component Description:</b>	Project Management																
<b>Amount:</b>	\$13,673.75																





**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>\$164,190.00</b>	<b>\$162,515.00</b>		<b>\$57,327.20</b>	
State Taxes	<i>\$50,000.00</i>	\$50,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	<i>\$5,000.00</i>	\$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)	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
Equipment Delivery and Handling	<i>\$51,000.00</i>	\$51,000.00	N/A	\$50,157.20	N/A

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

### Components

Actual Information Description	File Name
State Taxes	Information not provided.
MVPD Notification of Channel Change	Information not provided.
DTV Medical Facility Notification	<b>Component Description:</b> Medical testing <b>Amount:</b> \$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	<b>Component Description:</b> Freight and Shipping <b>Amount:</b> \$1,474.04

	<p><b>Component Description:</b> Freight, Shipping, and Handling</p> <p><b>Amount:</b> \$24,935.64</p>
	<p><b>Component Description:</b> Freight and Shipping</p> <p><b>Amount:</b> \$5,018.19</p>
	<p><b>Component Description:</b> Freight and Shipping</p> <p><b>Amount:</b> \$13,776.75</p>
	<p><b>Component Description:</b> Freight and Shipping</p> <p><b>Amount:</b> \$4,952.58</p>
Equipment Storage	<p><b>Component Description:</b> storage fees</p> <p><b>Amount:</b> \$1,920.00</p>
Develop and air announcement of upcoming channel change	Information not provided.

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

	<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>	<b>Actual Cost</b>
<b>Total for all systems</b>	\$3,985,552.50	\$2,775,020.44	\$2,470,790.42

**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
	<b>Submission of Estimated Expenses Statements</b>	<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> <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> </ol>	

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.

**Teri Ann Guillory**  
*Broadcasting Operations*

04/16/2020

## Attachments