



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **9628** | Service: **DTV** | Call **KCBS-TV** | Channel: **31 (UHF)**  
ID:  
File **0000027824**  
Number:  
FRN: **0003482189** | Date **03/21**  
Submitted: **/2018**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>CBS BROADCASTING INC.</b> Doing Business As: CBS BROADCASTING INC.	Daniel G. Ryson 1725 DeSales St. NW Suite 501 Washington, DC 20036 United States	+1 (202) 457-4505	dryson@cbs.com	Corporation

## 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>Daniel G. Ryson</b> <i>Associate Director of Spectrum Management</i> CBS	Daniel G. Ryson 1725 DeSales St. NW Suite 501 Washington, DC 20036 United States	+1 (202) 457-4074	dryson@cbs.com

**Broadcaster  
Information  
and  
Transition  
Plan**

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	Yes
Briefly describe transition plan	Interim post-transition transmitter will be commissioned at the interim site. Following the transition, the interim site will become the new main and the prior main site will be equipped with new transmitter and become the aux.

**Transmitters**

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

**Auxiliary  
Transmitter****Add Transmitter Information**

Section	Question	Response
Existing Transmitter Description	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
Existing Transmitter Manufacturer and Type	Manufacturer	Harris
	Model	Maxiva UAX

Year	2012
Type	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	3 kW
	Other Power	N/A
New Exciter	Is a new exciter needed?	No

## Auxiliary Transmitter

### Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	No
	Description	N/A
HVAC Service	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**  
Information not provided.

**Auxiliary  
Transmitter****Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Auxiliary
	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	Diamond
	Year	2003
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	21 kW

**Auxiliary  
Transmitter****New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	UAXTE-32
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	19 kW
	Justification for New Transmitter	Vendor will not retune existing aux transmitter. We will use this transmitter as the interim until the main can be built.

**Auxiliary  
Transmitter****Other Transmitter Costs**

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

	Length	N/A
	Other Electrical Service	Yes
	Description	Surge Suppressor and 112.5 Kva Transformer.
<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
State Sales Tax	Auxiliary Transmitter Sales Tax.

**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	Sigma
	Year	2009
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	42 kW



**Primary  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-60
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	38 kW
	Justification for New Transmitter	Vendor will not re-tune the existing backup (see Exhibit 1). New IOT transmitter (see Exhibit 2) is more expensive than proposed transmitter (see Exhibit 3).

**Primary  
Transmitter**

**Other Transmitter Costs**

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

	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	4 inches
	Length	100.0 feet
	Other Electrical Service	Yes
	Description	Transformer 208. Step-down transformer to 208 from 480 required for new transmitter. Larger conductors required.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	30 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?	Yes
	Size	0.0 square feet
<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
RF Accessories	Required for transmitter. See Exhibit 3, item C.
Ducting and Plenum	Modifications to existing HVAC ducting and plenum are necessary for proper cooling of transmitter.
Electrical Sub Panel	New Sub-Panels for locations that are currently not supporting transmitter equipment. See Exhibit 5A.
Sales Tax	Primary Transmitter Sales Tax

**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	Retune Existing
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Bottom
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	1
	Number of Panels	64
	Design power capacity in use	75.0 %
	Lower Limit	470.00 MHz

Upper Limit	750.00 MHz
Other Antenna Type	N/A
ERP: (Effective Radiated Power) .....	540.0 kW
Manufacturer	Harris
Model	TAD- 16UDA 8 /64
Year	1995

**Primary  
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

**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	

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Auxiliary  
Antenna**

**Add Antenna Information**

Section	Question	Response
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<b>Existing Antenna Description</b>	Type of change	Retune Existing
	Antenna Use	Auxiliary (Backup)
	Description of Use	Doomsday Auxiliary
	Ownership	Owned
	Owner	N/A
	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	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	3
	Number of Panels	16
	Design power capacity in use	35.0 %
	Lower Limit	470.00 MHz
	Upper Limit	650.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	50.0 kW
	Manufacturer	Dielectric

	Model	TUA-C2-8 /16M-1
	Year	2014

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

Facility ID	Call Sign
35670	KTLA
47906	KNBC

### 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?	No

### 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	Additional Module
	Number of channels supported	1
	Frequencies of channels supported	RF channel
	Frequency	N/A

**Enter a list of RF channel numbers.**

RF Channel Number
31

**Auxiliary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Bottom
	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) .....	590.0 kW
	Manufacturer	



Model	TFU-22JBH /VP-R O8
Year	2019
Justification for New Antenna	See March 2018 Invoices Statement and Exhibit 13.

**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?	No

**Interim  
Antenna**

**Other Antenna Cost Not Listed**

Name	Description
<b>Antenna Sales Tax</b>	9.5% State and Local Sales Tax.

**Transmission Line**

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

**Primary Transmission Line****Existing Transmission Line**

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	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	Myat and Dielectric
	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	410 feet per run

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

Transmission Line	
Name	Description
Additional Rigid Line	50 feet of 6 1/8-inch for within building.

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

Transmission Line		
Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Lease New
	Type	Rigid
	Diameter	6 1/8 inches
	Segment Length	20'
	Other Segment Length	
	Number of parallel runs	1
	Length	1100 feet per run
	Justification for New Transmission Line	Transmission line is required for interim facility to function. Includes 10 elbows, gas stop, freight, and accessories, See Exhibit 12.

**Interim**      **Other Transmission Line Expenses Not Listed**

Transmission Line	
Name	Description
Sales Tax	9.5% State and Local Taxes

**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**

**Existing 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?	Located on Building
	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?	Yes
	ASR Number	1012836
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	34° 13' 55.0" N-
	Longitude (NAD83)	118° 04' 21.0" W-
	Overall Structure Height	972.43 feet
	Support Structure Height	899.60 feet
	Ground Elevation Above Mean Sea Level (AMSL)	5658.40 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	American Towers, LLC.
Date Constructed	01/01/1986

### Auxiliary 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:	Major Reinforcements needed

### Auxiliary Tower

#### Tower Rigging Costs

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

### Auxiliary Tower

#### Other Tower Expenses Not Listed

Name	Description
Structural Analysis	Cost to conduct structural analysis for tower reinforcements. See Exhibit 5.

<b>Tower Project Management</b>	Onsite project management for tower modification and RF installation.
<b>Tower Permit Packages</b>	Permit drawings of tower, ground, and building.

**Outside  
Professional**

Section	Question	Response
<b>Services Costs Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	355
	Explanation	Company lacks sufficient resources.
<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	1
	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	Yes
	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	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

**Outside Professional Services Costs**

**Other Professional Services Expenses Not Listed**

Name	Description
<b>Site Coordination Meeting</b>	Site coordination meetings with all broadcasters, contractors and vendors involved with the site project. See Exhibit 5.



## 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	Yes
	BLM or NFS Coordination	Yes
	FCC Construction Permit Minor Change	No
	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
TX Removal and Installation	Remove Aux TX and assist with new TX system installation.

## 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 ULXTE-60</b>	<b>\$1,783,472.24</b>	<b>\$1,441,766.93</b>		<b>\$408,724.98</b>	
Electrical Sub Panel	<i>\$4,500.00</i>	\$4,500.00	New Sub-Panels for locations that are currently not supporting transmitter equipment. See Exhibit 5A.	N/A	N/A
Sales Tax	<i>\$100,994.25</i>	\$100,994.25	State Sales Tax. Please See Exhibit 3, Page 1.	\$0.00	N/A
Ducting and Plenum	<i>\$2,500.00</i>	\$2,500.00	After remove and replacing transmitters, heat distribution in the transmitter room will change. No additional HVAC is needed but the location of things that need to be cooled will change.	N/A	N/A

RF Accessories	<b>\$54,194.37</b>	\$54,194.37	Coaxial Switch, Coaxial Switch Controller. Required for transmitter. See Exhibit 3, Item C.	\$0.00	N/A
Other -- HVAC Service Type: C Size:30 (Other)	<b>\$60,000.00</b>	\$60,000.00	HVAC required in previously unused space to accommodate new repack transmitter and equipment. See Exhibit 5A.	N/A	N/A
4" Rigid Conduit and Wiring (Cost per foot)	\$10,100.00	\$9,600.00	N/A	N/A	N/A
Other Electrical Service: Transformer 208. Step-down transformer to 208 from 480 required for new transmitter. Larger conductors required.	<b>\$9,983.62</b>	\$9,983.62	See Exhibit 3, Item D	\$0.00	N/A

Other -- Building Addition Size: 0.0	<b>\$30,000.00</b>	\$30,000.00	Prepare previously unused space to accommodate repack transmitter. See Exhibit 5A.	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$109,992.00	Various electrical wiring changes and additions required at main transmitter site. See Exhibit 7A.	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,060,002.69	See Exhibit 3, items A, B, and E.	\$408,724.98	N/A
<b>Auxiliary Transmitter Maxiva UAX</b>	<b>\$109,355.00</b>	<b>\$11,001.95</b>		<b>\$0.00</b>	
UHF and VHF - minor banding issues	\$105,200.00	\$11,001.95	Retune Mask Filter - See Exhibit 6	N/A	N/A
3 kW mask filter	\$4,155.00	\$0.00	Re-tuning existing mask filter.	N/A	N/A
<b>Auxiliary Transmitter UAXTE-32</b>	<b>\$614,128.03</b>	<b>\$614,128.03</b>		<b>\$204,709.34</b>	
State Sales Tax	<b>\$53,298.00</b>	\$53,298.00	State Sales Tax. Please see Exhibit 4, Page 1.	\$0.00	N/A

Other Electrical Service: Surge Suppressor and 112.5 Kva Transformer.	<b>\$4,309.03</b>	\$4,309.03	Surge suppressor and transformer required for proper operation of transmitter. See Exhibit 4.	\$0.00	N/A
UHF - Air Cooled Solid State Transmitter 19 kW	<b>\$556,521.00</b>	\$556,521.00	Transmitter, mask filter, and installation /proof. required for operation of interim site. Comparable to Widelity Cost Catalog pricing for 20 kW transmitter. See Exhibit 4, Items A, B, and D.	\$204,709.34	N/A
<b>Sub-total</b>	\$2,506,955.27	\$2,066,896.91	N/A	\$613,434.32	N/A
<b>Total for all systems</b>	\$4,591,882.12	\$3,295,393.36	N/A	\$613,434.32	N/A

## Components

Actual Information	
Description	File Name
Electrical Sub Panel	Information not provided.
Sales Tax	Information not provided.
Ducting and Plenum	Information not provided.
RF Accessories	Information not provided.
Other -- HVAC Service Type: C Size:30 (Other)	Information not provided.

4" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Other Electrical Service: Transformer 208. Step-down transformer to 208 from 480 required for new transmitter. Larger conductors required.	Information not provided.
Other -- Building Addition Size: 0.0	Information not provided.
Switchgear - industrial 800 amp	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	<b>Component Description:</b> Approximately 1/3 Down Payment. <b>Amount:</b> \$408,724.98
UHF and VHF - minor banding issues	Information not provided.
3 kW mask filter	Information not provided.
State Sales Tax	Information not provided.
Other Electrical Service: Surge Suppressor and 112.5 Kva Transformer.	Information not provided.
UHF - Air Cooled Solid State Transmitter 19 kW	<b>Component Description:</b> Approximately 1/3 Down Payment <b>Amount:</b> \$204,709.34

## Cost Information

### Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-22JBH /VP-R 08	\$322,853.46	\$384,442.46		\$0.00	
Antenna Sales Tax	\$33,353.46	\$33,353.46	9.5% Sales Tax on Antenna (see Exhibit 13) minus V-Pol cost.	N/A	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$351,089.00	This bottom-mount stacked antenna must provide structural support for big, top-mount VHF antenna. Includes elbow complex, repack sweep, and one fixed length of 6-inch line. Additional V-Pol cost was subtracted. See Exhibit 13.	N/A	N/A



<b>Primary Antenna TAD- 16UDA 8/64</b>	<b>\$253,730.00</b>	<b>\$6,400.00</b>		<b>\$0.00</b>	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$0.00	Re-tuning existing antenna.	N/A	N/A
<b>Auxiliary Antenna TUA-C2-8 /16M-1</b>	<b>\$90,930.00</b>	<b>\$46,400.00</b>		<b>\$0.00</b>	
Adding a module to existing combiner (without antenna)	\$84,200.00	\$40,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF - High Power Top Mount Three Station broadband panel antenna horizontally polarized	<b>\$0.00</b>	\$0.00	Retuning existing antenna.	N/A	N/A
<b>Sub-total</b>	\$667,513.46	\$437,242.46	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$4,591,882.12	\$3,295,393.36	N/A	\$613,434.32	N/A

## Components

Information not provided.

## Cost Information

### Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Interim Transmission Line</b>	<b>\$240,785.39</b>	<b>\$214,220.99</b>		<b>\$0.00</b>	
Sales Tax	<i>\$18,585.39</i>	\$18,585.39	9.5% State and Local Tax on Interim Transmission Line.	N/A	N/A
Rigid Transmission Line - copper, 6 1/8"	\$222,200.00	\$195,635.60	Please see March 2018 Invoices Statement and Exhibit 12.	N/A	N/A
<b>Primary Transmission Line</b>	<b>\$9,600.00</b>	<b>\$9,600.00</b>		<b>\$0.00</b>	
Additional Rigid Line	<i>\$9,600.00</i>	\$9,600.00	Required for installation of new post-transition transmitter. (Widely Cost Catalog pricing shown.)	N/A	N/A
<b>Sub-total</b>	<b>\$250,385.39</b>	<b>\$223,820.99</b>	<b>N/A</b>	<b>\$0.00</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$4,591,882.12</b>	<b>\$3,295,393.36</b>	<b>N/A</b>	<b>\$613,434.32</b>	<b>N/A</b>

### Components

Information not provided.

Cost  
Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Auxiliary Tower GTOWER	\$892,938.00	\$284,938.00		\$0.00	
Tower Permit Packages	<i>\$9,400.00</i>	\$9,400.00	Generation of tower, building, and ground construction drawings required for local permits. See Exhibit 5.	N/A	N/A
Tower Project Management	<i>\$10,000.00</i>	\$10,000.00	Due to the complexity of the site and its access, it is estimated that onsite project management for tower modification and RF installation will be a duration of 40 hours. See Exhibit 5A.	N/A	N/A

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$100,000.00	Tower rigging, modifications per the failing structural, removal of existing top antenna, tower top section, and lines. Installation of 15' of new tower top section and plate, installation of a side mounted antenna and line. See Exhibit 5A.	N/A	N/A
Major tower reinforcement /modifications	\$421,000.00	\$150,000.00	It is expected that the additional loads imposed on the tower by the new appurtenances required for the repack project will cause the tower to fail. The structural failure is expected to be in the major category. See Exhibit 5A.	N/A	N/A
Structural Analysis	<b>\$5,238.00</b>	\$5,238.00	Cost to conduct structural analysis for tower reinforcements. See Exhibit 5.	N/A	N/A

Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$10,300.00	Structural tower mapping to provide data to the structural engineer in order to generate the correct structural output. See Exhibit 5A.	N/A	N/A
<b>Sub-total</b>	\$892,938.00	\$284,938.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$4,591,882.12	\$3,295,393.36	N/A	\$613,434.32	N/A

## Components

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
Outside Professional Services	\$85,760.00	\$100,480.00		\$0.00	
Site Coordination Meeting	<i>\$5,000.00</i>	\$5,000.00	Site coordination meetings with all broadcasters, contractors and vendors involved with the site project. All involved parties will jointly define a site action plan and cutover approach. See Exhibit 5A.	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

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	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	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$5,000.00	N/A	N/A	N/A
Project management of the transition	\$56,090.00	\$74,480.00	Company lacks sufficient resources. See Exhibits 5 and 7.	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



Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	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
<b>Sub-total</b>	\$85,760.00	\$100,480.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$4,591,882.12	\$3,295,393.36	N/A	\$613,434.32	N/A

## Components

Information not provided.

**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>\$188,330.00</b>	<b>\$182,015.00</b>		<b>\$0.00</b>	
MVPD Notification of Channel Change	<i>\$1,000.00</i>	\$1,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$1,000.00</i>	\$1,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$10,000.00</i>	\$10,000.00	See Exhibit 8A.	N/A	N/A
BLM or NFS Coordination	<i>\$1,000.00</i>	\$1,000.00	See Exhibit 5A.	N/A	N/A

Non-zoning permits	<b>\$750.00</b>	\$750.00	The cost of preparation and submission of the needed forms (excluding permit drawing package) for permits for jurisdictional permits required for electrical, building and other repack required tasks. See Exhibit 5.	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$5,250.00	See Exhibit 9.	N/A	N/A
Equipment Storage	<b>\$5,000.00</b>	\$5,000.00	See Exhibit 8A.	N/A	N/A
Equipment Delivery and Handling Charges	<b>\$15,000.00</b>	\$15,000.00	See Exhibit 8A.	\$0.00	N/A

TX Removal and Installation	<b>\$142,500.00</b>	\$142,500.00	Estimate includes items in Exhibit 8A except Equipment Storage, Equipment Delivery, and Disposal, and 2/3 of the Verdugo Peak combiner installation costs, which will be shared between three stations.	N/A	N/A
<b>Sub-total</b>	\$188,330.00	\$182,015.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$4,591,882.12	\$3,295,393.36	N/A	\$613,434.32	N/A

### Components

Information not provided.

<b>Cost Information</b>	<b>Grand Total</b>		
		<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>
			<b>Actual Cost</b>
	<b>Total for all systems</b>	\$4,591,882.12	\$3,295,393.36
			\$613,434.32

<b>Reimbursement Status</b>	<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>Andrew J Siegel</b>  <i>Assistant Secretary</i></p> <p>03/21/2018</p>

## Attachments