



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **72106** | Service: **DTV** | Call **WGHP** | Channel: **31 (UHF)** |  
ID: | Sign:  
File **0000028250**  
Number:  
FRN: **0022824668** | Date **06/24**  
Submitted: **/2020**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>Tribune Broadcasting Company II LLC</b>	Elizabeth Ryder 545 E. John Carpenter Freeway Irving, TX 75062 United States	+1 (972) 373-8000	eryder@nexstar. tv	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 Vanduyhoven , Vanduyhov . Sr Director of Engineering RF Systems Nexstar Broadcasting Inc.</b>	Bill Vanduyhoven 2211 Rabbit Hill Cir Dacula, GA 30019 United States	+1 (404) 312-8693	bvanduyhoven@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	Replace antenna and transmission Line Replace transmitter

**Transmitters**

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

**Auxiliary Transmitter**

**Existing 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	Larcan
	Model	DTT5SU
	Year	2010
	Type	Solid State

Solid State Cooling	Air Cooled
Solid State Power capacity	5 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?	Yes
	Exciter Type	Single frequency agile

**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**  
Information not provided.

**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?	No
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	Landmark DTT60M
	Year	2000
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	60 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	ULXTD-80
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	70 kW
	Justification for New Transmitter	Larcant transmitter is not re-tuneable and due to parts availability in 2016 we replaced it. ULXTD-80 was installed in to replace it. A new RF system is required for the new channel.

**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 installation
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

**Primary Transmitter**

**Other Transmitter Cost Not Listed**

Name	Description
Site Survey	Site Survey for Transmitter
Disposal fees	Recycling of coolant and Trash removal
New RF System	Ch 31 Re-tuning Quote

**Antennas**

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



**Auxiliary  
Antenna**

**Add Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	Auxiliary
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this antenna currently shared with any other stations?	No
	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	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) .....	75.0 kW

Manufacturer	
Model	TFU-2ST- RS190
Year	2001

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**Auxiliary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Auxiliary (Backup)
	Description of Use	Auxiliary
	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?	No
<b>New Antenna Manufacturer and Types</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	16
	Lower Limit	470.00 MHz
	Upper Limit	670.00 MHz
	Design power capacity in use	90.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	200.0 kW
	Manufacturer	
Model	TFU-16WB	

Year	2019
Justification for New Antenna	Current antenna will not work on assigned channel. Wide Band antenna selected to allow for operation before and after channel change. Required during antenna change

**Auxiliary Antenna**

**Other Antenna Costs**

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

<b>Name</b>	<b>Description</b>
<b>Adapters</b>	Transmission line adapters 6 1/8" to 4" Heliax

**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	Auliliary
	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?	No
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	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) .....	50.0 kW

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Manufacturer	
Model	ALN-8-35
Year	2010

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**Auxiliary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Auxiliary (Backup)
	Description of Use	Auxiliary
	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?	No
<b>New Antenna Manufacturer and Types</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	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)	50.0 kW
	Manufacturer	
Model	ALN8-31	



Year	2019
Justification for New Antenna	Existing antenna will not work on assigned channel

**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?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
<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?	No
	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	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- 34DSC-R 04
Year	2001

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**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?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
<b>New Antenna Manufacturer and Types</b>	Class	Full Power
	Mounting	Top 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)	922.0 kW
	Manufacturer	

Model	TFU-31JTH /VP-R 06
Year	2019
Justification for New Antenna	Top is only available position on tower without disturbing current operation. Current antenna will not work on assigned channel. Top Mount will allow reuse of existing Transmission Line.

**Primary Antenna**

**Other Antenna Costs**

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

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

<b>Name</b>	<b>Description</b>
<b>Mounting and support</b>	Pole and Wedding cake

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

**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	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	1200 feet per run

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

<b>Name</b>	<b>Description</b>
<b>Feed thru and adapters</b>	6 inch feed thru and test adapter



**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	Aulliliary
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1000751
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	35° 48' 47.0" N-
	Longitude (NAD83)	079° 50' 35.0" W-
	Overall Structure Height	1255.56 feet
	Support Structure Height	1122.03 feet
	Ground Elevation Above Mean Sea Level (AMSL)	776.89 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	WGHP License, LLC
Date Constructed	07/01/1963

**Auxiliary Tower**

**Tower Modification Costs**

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

**Auxiliary Tower**

**Tower Rigging Costs**

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

**Auxiliary Tower**

**Other Tower Expenses Not Listed**

Information not provided.

**Primary Tower**

**Existing Tower**

Section	Question	Response
<b>Existing Tower Description</b>	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	No
<b>Existing Tower Structure Registration</b>	Do you have a tower registration number?	Yes
	ASR Number	1251069
<b>Coordinates (NAD83 ( North American Datum of 1983))</b>	Latitude (NAD83)	35° 48' 46.5" N-
	Longitude (NAD83)	079° 50' 28.1" W-
	Overall Structure Height	1248.02 feet
	Support Structure Height	1248.02 feet
	Ground Elevation Above Mean Sea Level (AMSL)	785.10 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

Tower Owner	WGHP License, LLC
Date Constructed	12/31/2005

**Primary Tower**

**Tower Modification Costs**

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

**Primary Tower**

**Tower Rigging Costs**

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	Yes

**Primary Tower**

**Other Tower Expenses Not Listed**

Information not provided.

**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?	No
	Number of Hours	N/A
	Explanation	N/A
<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	No
	Quantity	N/A
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
	<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application
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	No
<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	Yes
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	No
<b>Other Miscellaneous Expenses</b>	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	No
	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**

Information not provided.



**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 ULXTD-80</b>	<b>\$2,311,000.00</b>	<b>\$1,555,790.00</b>		<b>\$1,439,624.60</b>	
Other Electrical Service: Electrical installation	<i>\$50,000.00</i>	\$50,000.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW	\$1,999,000.00	\$1,243,790.00	N/A	\$1,236,442.07	N/A
Disposal fees	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Site Survey	<i>\$6,000.00</i>	\$6,000.00	N/A	\$5,823.90	N/A
New RF System	<i>\$251,000.00</i>	\$251,000.00	N/A	\$197,358.63	N/A
<b>Auxiliary Transmitter DTT5SU</b>	<b>\$134,560.00</b>	<b>\$43,450.00</b>		<b>\$22,770.00</b>	
Single frequency agile exciter	\$21,050.00	\$10,000.00	N/A	N/A	N/A
10 kW mask filter	\$8,310.00	\$8,450.00	Quote price	\$0.00	N/A

UHF and VHF - minor banding issues	\$105,200.00	\$25,000.00	N/A	\$22,770.00	N/A
<b>Sub-total</b>	\$2,445,560.00	\$1,599,240.00	N/A	\$1,462,394.60	N/A
<b>Total for all systems</b>	\$4,368,127.00	\$2,805,688.00	N/A	\$2,452,795.51	N/A

## Components

Actual Information	
Description	File Name
Other Electrical Service: Electrical installation	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW	<p><b>Component Description:</b> Adapter 1 1/2 CXM</p> <p><b>Amount:</b> \$110.40</p> <p><b>Component Description:</b> Freight for Transmitter Installation parts</p> <p><b>Amount:</b> \$121.25</p> <p><b>Component Description:</b> Hose, Rubber 3 /4" Red</p> <p><b>Amount:</b> \$276.00</p> <p><b>Component Description:</b> Site Survey</p> <p><b>Amount:</b> N/A</p> <p><b>Component Description:</b> Installation Services</p> <p><b>Amount:</b> \$69,187.45</p>

**Component Description:** Elbow 90 Deg 1 1/2  
**Amount:** \$105.60

**Component Description:** Valve, Automatic Air Vent  
**Amount:** \$110.00

**Component Description:** Freight for transmitter  
**Amount:** \$7,225.54

**Component Description:** Shipping and Mics Supplies  
**Amount:** \$8,119.54

**Component Description:** KIT Probe (1.5) Capacitive Tun  
**Amount:** \$1,788.00

**Component Description:** Remaining balance for primary transmitter  
**Amount:** \$765,390.19

**Component Description:** parts needed for install  
**Amount:** \$1,919.60

**Component Description:** Adapter 1 1/2 FTG X F  
**Amount:** \$131.60

**Component Description:** parts needed for installation lines 2 thru 6 on invoice  
**Amount:** \$894.00

	<p><b>Component Description:</b> Air Separators</p> <p><b>Amount:</b> \$292.00</p>
	<p><b>Component Description:</b> Deposit for Transmitter</p> <p><b>Amount:</b> \$382,695.10</p>
	<p><b>Component Description:</b> Dummy Load for transmitter</p> <p><b>Amount:</b> \$16,355.73</p>
Disposal fees	Information not provided.
Site Survey	<p><b>Component Description:</b> site survey</p> <p><b>Amount:</b> \$5,823.90</p>
New RF System	<p><b>Component Description:</b> 3rd payment - channel change and proof</p> <p><b>Amount:</b> \$32,025.05</p> <p><b>Component Description:</b> channel change and proof</p> <p><b>Amount:</b> \$82,666.79</p> <p><b>Component Description:</b> 2nd payment channel change and proof</p> <p><b>Amount:</b> \$82,666.79</p>
Single frequency agile exciter	Information not provided.
10 kW mask filter	Information not provided.

UHF and VHF - minor  
banding issues

**Component Description:**

Re-tune

**Amount:**

\$8,220.00

**Component Description:**

Filter and tuning

**Amount:**

\$14,550.00

**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-31JTH /VP-R 06</b>	<b>\$398,530.00</b>	<b>\$397,100.00</b>		<b>\$332,565.00</b>	
Mounting and support	<i>\$90,000.00</i>	\$90,000.00	N/A	\$88,782.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$11,700.00	N/A	\$10,298.00	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$289,000.00	N/A	\$227,085.00	N/A
<b>Auxiliary Antenna TFU-16WB</b>	<b>\$214,530.00</b>	<b>\$107,400.00</b>		<b>\$87,100.00</b>	
Adapters	<i>\$6,000.00</i>	\$6,000.00	N/A	N/A	N/A

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$0.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$95,000.00	N/A	\$87,100.00	N/A
<b>Auxiliary Antenna ALN8-31</b>	<b>\$119,280.00</b>	<b>\$11,400.00</b>		<b>\$0.00</b>	
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$0.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A

UHF - Lower Power Side Mount, One station antenna - medium power (50- 200 kW), horizontally polarized	\$89,400.00	\$5,000.00	N/A	N/A	N/A
<b>Sub-total</b>	\$732,340.00	\$515,900.00	N/A	\$419,665.00	N/A
<b>Total for all systems</b>	\$4,368,127.00	\$2,805,688.00	N/A	\$2,452,795.51	N/A

### Components

Actual Information	
Description	File Name



Mounting and support	<p><b>Component Description:</b> 1st payment - Wedding cake adapter</p> <p><b>Amount:</b> \$8,248.50</p> <p><b>Component Description:</b> 1st payment - support pole</p> <p><b>Amount:</b> \$31,703.40</p> <p><b>Component Description:</b> Wedding cake adapter</p> <p><b>Amount:</b> \$8,248.50</p> <p><b>Component Description:</b> Wedding cake adapter</p> <p><b>Amount:</b> \$10,081.50</p> <p><b>Component Description:</b> support pole</p> <p><b>Amount:</b> \$31,703.40</p> <p><b>Component Description:</b> Support pole</p> <p><b>Amount:</b> \$38,748.60</p>
Sweep test of existing antenna	<p><b>Component Description:</b> 1st payment - sweep test</p> <p><b>Amount:</b> \$2,880.00</p> <p><b>Component Description:</b> Sweep Test</p> <p><b>Amount:</b> \$3,520.00</p> <p><b>Component Description:</b> sweep test</p> <p><b>Amount:</b> \$2,880.00</p>

<p>Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)</p>	<p><b>Component Description:</b> 1st payment - elbow complex  <b>Amount:</b> \$4,634.10</p> <p><b>Component Description:</b> Elbow complex  <b>Amount:</b> \$5,663.90</p> <p><b>Component Description:</b> elbow complex  <b>Amount:</b> \$4,634.10</p>
<p>UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized</p>	<p><b>Component Description:</b> 1st payment - antenna  <b>Amount:</b> \$101,142.00</p> <p><b>Component Description:</b> deposit on TFU-31JTH/VP-R  <b>Amount:</b> \$101,142.00</p> <p><b>Component Description:</b> deposit VPOL  <b>Amount:</b> \$14,073.75</p> <p><b>Component Description:</b> Antenna  <b>Amount:</b> \$123,618.00</p> <p><b>Component Description:</b> Gas Stop 6-50  <b>Amount:</b> \$2,325.00</p>
<p>Adapters</p>	<p>Information not provided.</p>
<p>Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)</p>	<p>Information not provided.</p>
<p>Sweep test of existing antenna</p>	<p>Information not provided.</p>

<p>UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized</p>	<p><b>Component Description:</b> 16WB Antenna <b>Amount:</b> \$87,100.00</p>
<p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>
<p>Sweep test of existing antenna</p>	<p>Information not provided.</p>
<p>UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized</p>	<p>Information not provided.</p>

**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
Primary Transmission Line	\$22,500.00	\$22,500.00		\$22,124.00	
Feed thru and adapters	<i>\$22,500.00</i>	\$22,500.00	N/A	\$22,124.00	N/A
<b>Sub-total</b>	\$22,500.00	\$22,500.00	N/A	\$22,124.00	N/A
<b>Total for all systems</b>	\$4,368,127.00	\$2,805,688.00	N/A	\$2,452,795.51	N/A

**Components**

Actual Information	
Description	File Name
Feed thru and adapters	<b>Component Description:</b> 1st payment - feed through complex <b>Amount:</b> \$7,720.20
	<b>Component Description:</b> 1st payment - trans test <b>Amount:</b> \$1,110.60
	<b>Component Description:</b> 1st payment - TLSCR's <b>Amount:</b> \$866.25
	<b>Component Description:</b> TLSCR's <b>Amount:</b> \$866.25

**Component Description:** Trans Test 6-50  
**Amount:** \$1,357.40

**Component Description:** Main Tx line  
**Amount:** \$111.15

**Component Description:** Trans Test 6-50  
**Amount:** \$1,110.60

**Component Description:** Main Tx line  
**Amount:** \$947.60

**Component Description:** Feed through  
**Amount:** \$9,435.80

**Component Description:** TLSCR'S  
**Amount:** \$575.00

**Component Description:** Feed Thru  
complex  
**Amount:** \$7,720.20

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**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>\$674,347.00</b>	<b>\$475,247.00</b>		<b>\$470,727.00</b>	
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	\$7,860.00	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$120,000.00	N/A	\$120,000.00	N/A
Tower Helicopter Lift	<i>\$293,247.00</i>	\$293,247.00	N/A	\$293,247.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$50,000.00	N/A	\$49,620.00	N/A
<b>Auxiliary Tower TOWER</b>	<b>\$394,800.00</b>	<b>\$106,601.00</b>		<b>\$56,601.00</b>	
Tall Tower (greater than 500')	\$210,500.00	\$35,000.00	N/A	N/A	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$56,601.00	N/A	\$56,601.00	N/A

Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$15,000.00	N/A	N/A	N/A
<b>Sub-total</b>	\$1,069,147.00	\$581,848.00	N/A	\$527,328.00	N/A
<b>Total for all systems</b>	\$4,368,127.00	\$2,805,688.00	N/A	\$2,452,795.51	N/A

### Components

Actual Information	
Description	File Name
Structural engineering tower load study for well documented tower	<b>Component Description:</b> tower analysis <b>Amount:</b> \$7,860.00
Minor tower reinforcement /modifications	<b>Component Description:</b> Construction/field services <b>Amount:</b> \$120,000.00

Tower Helicopter Lift	<p><b>Component Description:</b> Antenna removal and install down payment <b>Amount:</b> \$204,057.00</p> <p><b>Component Description:</b> Antenna removal and install final payment <b>Amount:</b> \$84,057.00</p> <p><b>Component Description:</b> change order <b>Amount:</b> \$5,133.00</p>
Tall Tower (greater than 500')	<p><b>Component Description:</b> deposit for rigging costs <b>Amount:</b> \$24,810.00</p> <p><b>Component Description:</b> rigging costs <b>Amount:</b> \$24,810.00</p>
Tall Tower (greater than 500')	Information not provided.
Minor tower reinforcement /modifications	<p><b>Component Description:</b> 2nd payment for antenna removal and replacement on the tower <b>Amount:</b> \$28,300.50</p> <p><b>Component Description:</b> down payment for antenna removal and replacement on the tower <b>Amount:</b> \$28,300.50</p>



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Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study

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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>\$36,830.00</b>	<b>\$25,000.00</b>		<b>\$0.00</b>	
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
RF Exposure Measurements	\$21,050.00	\$10,000.00	N/A	\$0.00	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

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	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
<b>Sub-total</b>	\$36,830.00	\$25,000.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$4,368,127.00	\$2,805,688.00	N/A	\$2,452,795.51	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>\$61,750.00</b>	<b>\$61,200.00</b>		<b>\$21,283.91</b>	
Equipment Delivery and Handling Charges	<i>\$15,200.00</i>	\$15,200.00	N/A	\$15,193.91	N/A
MVPD Notification of Channel Change	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$0.00</i>	\$0.00	N/A	N/A	N/A
Equipment Storage	<i>\$15,000.00</i>	\$15,000.00	N/A	\$2,340.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$3,750.00	N/A
Local Zoning	<i>\$15,000.00</i>	\$15,000.00	N/A	N/A	N/A
<b>Sub-total</b>	<b>\$61,750.00</b>	<b>\$61,200.00</b>	<b>N/A</b>	<b>\$21,283.91</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$4,368,127.00</b>	<b>\$2,805,688.00</b>	<b>N/A</b>	<b>\$2,452,795.51</b>	<b>N/A</b>

**Components**

Actual Information Description	File Name
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Equipment Delivery and Handling Charges	<p><b>Component Description:</b> Freight and Shipping <b>Amount:</b> \$863.14</p> <p><b>Component Description:</b> Freight for transmitter <b>Amount:</b> \$7,225.54</p> <p><b>Component Description:</b> Freight <b>Amount:</b> \$121.25</p> <p><b>Component Description:</b> Freight and Shipping <b>Amount:</b> \$6,983.98</p>
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	<p><b>Component Description:</b> Storage Fee <b>Amount:</b> \$2,340.00</p>
DTV Medical Facility Notification	<p><b>Component Description:</b> medical testing <b>Amount:</b> \$3,750.00</p>
Local Zoning	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>	\$4,368,127.00	\$2,805,688.00	\$2,452,795.51

**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 data-bbox="746 779 1038 1167">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 data-bbox="746 1196 1023 1435">2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li data-bbox="746 1464 1034 1749">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.



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*

06/24/2020

Certification	Section	Question	Response
	<b>Submission of Actual Cost Documentation Statements</b>	<p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p>	
		<ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

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

8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.

**Teri Ann  
Guillory**  
*Broadcasting  
Operations*

06/24/2020

## Attachments