Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **72106** | Service: **DTV** | Call Sign: **WGHP** | Channel: **31 (UHF)**

File Number: **0000028250**

FRN: **0022824668** | Date Submitted: **11/30/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
Tribune Broadcasting Company II LLC	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
Bill Vanduynhoven , Vanduynhov . *Sr Director of Engineering RF Systems* *Nexstar Broadcasting Inc.*	Bill Vanduynhoven 2211 Rabbit Hill Cir Dacula, GA 30019 United States	+1 (404) 312-8693	bvanduynhoven@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
Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

Auxiliary Transmitter

Existing 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	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
New IOT Tubes	Number of Tubes (including accessories) needed	N/A
New Mask Filter	Power	10 kW
	Other Power	N/A
New Exciter	Is a new exciter needed?	Yes
	Exciter Type	Single frequency agile

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

Auxiliary Transmitter

Other Transmitter Cost Not Listed

Information not provided.

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	No
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	Landmark DTT60M
	Year	2000
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	60 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	ULXTD-80
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	70 kW
	Justification for New Transmitter	Larcan 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
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	Electrical installation
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

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

Antennas

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

Auxiliary Antenna

Add Antenna Information

Section	Question	Response
Existing Antenna Description	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
Existing Antenna Manufacturer and Type	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

Auxiliary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Auxiliary (Backup)
	Description of Use	Auxililary
	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
New Antenna Manufacturer and Types	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
Combiner for Shared Antenna	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
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches

Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Auxiliary Antenna

Other Antenna Cost Not Listed

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

Auxiliary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	Aulilliary
	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
Existing Antenna Manufacturer and Type	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

Manufacturer	
Model	ALN-8-35
Year	2010

Auxiliary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	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
New Antenna Manufacturer and Types	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
Combiner for Shared Antenna	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
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Auxiliary Antenna

Other Antenna Cost Not Listed

Information not provided.

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	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-R04
Year	2001

Primary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	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
Combiner for Shared Antenna	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
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches

Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
Mounting and support	Pole and Wedding cake

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	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

Name	Description
Feed thru and adapters	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	Aulilliary
	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
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:	Minor Reinforcements needed

Auxiliary Tower

Tower Rigging Costs

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

Auxiliary Tower

Other Tower Expenses Not Listed

Information not provided.

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	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
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1251069
Coordinates (NAD83 (North American Datum of 1983))	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

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	No
	Number of Hours	N/A
	Explanation	N/A
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	No
	For Auxiliary Facility	N/A
	For Main Facility	N/A
	Prepare and file Form FCC License to Cover Application	No
	For Auxiliary Facility	N/A
	For Main Facility	N/A

	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	No
	Address transition timing and coordination issues w/ other stations and wireless providers	No
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Information not provided.

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	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
Other Miscellaneous Expenses	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
Primary Transmitter ULXTD-80	**$2,375,120.00**	**$1,619,910.00**		**$1,554,571.54**	
Disposal fees	***$5,000.00***	$5,000.00	N/A	N/A	N/A
New RF System	***$315,120.00***	$315,120.00	N/A	$315,119.17	N/A
Site Survey	***$6,000.00***	$6,000.00	N/A	$5,823.90	N/A
Other Electrical Service: Electrical installation	***$50,000.00***	$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	$1,233,628.47	N/A
Auxiliary Transmitter DTT5SU	**$134,560.00**	**$49,550.00**		**$14,550.00**	
UHF and VHF - minor banding issues	$105,200.00	$25,000.00	N/A	$0.00	N/A
10 kW mask filter	$8,310.00	$14,550.00	Quoted price 8 Pole filter	$14,550.00	N/A

Single frequency agile exciter	$21,050.00	$10,000.00	N/A	N/A	N/A
Sub-total	$2,509,680.00	$1,669,460.00	N/A	$1,569,121.54	N/A
Total for all systems	$4,455,047.00	$2,898,708.00	N/A	$2,568,097.04	N/A

Components

Actual Information Description	File Name
Disposal fees	Information not provided.
New RF System	**Component Description:** 3rd payment - channel change and proof **Amount:** $32,025.05 **Component Description:** installation and proof and change orders **Amount:** $117,760.54 **Component Description:** 2nd payment channel change and proof **Amount:** $82,666.79 **Component Description:** channel change and proof **Amount:** $82,666.79
Site Survey	**Component Description:** site survey **Amount:** $5,823.90

Other Electrical Service: Electrical installation	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW	**Component Description:** Dummy Load for transmitter **Amount:** $16,355.73 **Component Description:** Valve, Automatic Air Vent **Amount:** $110.00 **Component Description:** parts needed for install **Amount:** $1,919.60 **Component Description:** Air Seperators **Amount:** $292.00 **Component Description:** Freight for transmitter **Amount:** $7,225.54 **Component Description:** Adapter 1 1/2 CXM **Amount:** $110.40 **Component Description:** Hose, Rubber 3 /4" Red **Amount:** $276.00 **Component Description:** parts needed for installation lines 2 thru 6 on invoice **Amount:** $894.00

Component Description:	Shipping and Mics Supplies
Amount:	$8,119.54
Component Description:	KIT Probe (1.5) Capacitve Tun
Amount:	$1,788.00
Component Description:	Freight for Transmitter Installation parts
Amount:	$121.25
Component Description:	Elbow 90 Deg 1 1 /2
Amount:	$105.60
Component Description:	Remaining balance for primary transmitter
Amount:	$765,390.19
Component Description:	Site Survey
Amount:	N/A
Component Description:	Installation Services
Amount:	$69,187.45
Component Description:	Adapter 1 1/2 FTG X F
Amount:	$131.60
Component Description:	Deposit for Transmitter
Amount:	$382,695.10

UHF and VHF - minor banding issues	**Component Description:** **Amount:**	Re-tune $8,220.00
	Component Description: **Amount:**	Filter and tuning $14,550.00
10 kW mask filter	**Component Description:** **Amount:**	Mask Filter $14,550.00
Single frequency agile exciter	Information not provided.	

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
Primary Antenna TFU-31JTH /VP-R 06	**$398,530.00**	**$397,100.00**		**$329,045.00**	
Mounting and support	***$90,000.00***	$90,000.00	N/A	$88,782.00	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
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$2,880.00	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
Auxiliary Antenna TFU-16WB	**$214,530.00**	**$107,400.00**		**$87,100.00**	
Adapters	***$6,000.00***	$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
Auxiliary Antenna ALN8-31	**$119,280.00**	**$11,400.00**		**$0.00**	
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

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
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	N/A	N/A
Sub-total	$732,340.00	$515,900.00	N/A	$416,145.00	N/A
Total for all systems	$4,455,047.00	$2,898,708.00	N/A	$2,568,097.04	N/A

Components

Actual Information Description	File Name

Mounting and support	**Component Description:** **Amount:**	Support pole $38,748.60
	Component Description: **Amount:**	Wedding cake adapter $10,081.50
	Component Description: **Amount:**	Wedding cake adapter $8,248.50
	Component Description: **Amount:**	1st payment - Wedding cake adapter $8,248.50
	Component Description: **Amount:**	1st payment - support pole $31,703.40
	Component Description: **Amount:**	support pole $31,703.40
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	**Component Description:** **Amount:**	Elbow complex $5,663.90
	Component Description: **Amount:**	1st payment - elbow complex $4,634.10
	Component Description: **Amount:**	elbow complex $4,634.10

Sweep test of existing antenna	**Component Description:** Sweep Test **Amount:** $3,520.00 **Component Description:** 1st payment - 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:** Antenna **Amount:** $123,618.00 **Component Description:** Gas Stop 6-50 **Amount:** $2,325.00 **Component Description:** deposit on TFU-31JTH/VP-R **Amount:** $101,142.00 **Component Description:** deposit VPOL **Amount:** $14,073.75 **Component Description:** 1st payment - antenna **Amount:** $101,142.00
Adapters	Information not provided.
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.
Sweep test of existing antenna	Information not provided.

UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	**Component Description:** **Amount:**	16WB Antenna $87,100.00
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Information not provided.	
Sweep test of existing antenna	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
Primary Transmission Line	**$22,500.00**	**$22,500.00**		**$19,244.00**	
Feed thru and adapters	***$22,500.00***	$22,500.00	N/A	$19,244.00	N/A
Sub-total	$22,500.00	$22,500.00	N/A	$19,244.00	N/A
Total for all systems	$4,455,047.00	$2,898,708.00	N/A	$2,568,097.04	N/A

Components

Actual Information Description	File Name
Feed thru and adapters	**Component Description:** Main Tx line **Amount:** $111.15 **Component Description:** Feed through **Amount:** $9,435.80 **Component Description:** TLSCR'S **Amount:** $575.00 **Component Description:** Main Tx line **Amount:** $947.60 **Component Description:** Trans Test 6-50 **Amount:** $1,357.40

Component Description:	TLSCR's
Amount:	$866.25
Component Description:	Trans Test 6-50
Amount:	$1,110.60
Component Description:	1st payment - trans test
Amount:	$1,110.60
Component Description:	1st payment - feed through complex
Amount:	$7,720.20
Component Description:	Feed Thru complex
Amount:	$7,720.20
Component Description:	1st payment - TLSCR's
Amount:	$866.25

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

Tall Tower (greater than 500')	$210,500.00	$35,000.00	N/A	N/A	N/A
Sub-total	$1,069,147.00	$581,848.00	N/A	$527,328.00	N/A
Total for all systems	$4,455,047.00	$2,898,708.00	N/A	$2,568,097.04	N/A

Components

Actual Information Description	File Name	
Tall Tower (greater than 500')	**Component Description:** **Amount:**	rigging costs $24,810.00
	Component Description: **Amount:**	deposit for rigging costs $24,810.00
Tower Helicopter Lift	**Component Description:** **Amount:**	Antenna removal and install final payment $84,057.00
	Component Description: **Amount:**	Antenna removal and install down payment $204,057.00
	Component Description: **Amount:**	change order $5,133.00
Minor tower reinforcement /modifications	**Component Description:** **Amount:**	Construction/field services $120,000.00

Structural engineering tower load study for well documented tower	**Component Description:** **Amount:**	tower analysis $7,860.00
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.	
Minor tower reinforcement /modifications	**Component Description:** **Amount:** **Component Description:** **Amount:**	2nd payment for antenna removal and replacement on the tower $28,300.50 down payment for antenna removal and replacement on the tower $28,300.50
Tall Tower (greater than 500')	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	**$36,830.00**	**$25,000.00**		**$0.00**	
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), Construction Permit Application	$3,155.00	$3,000.00	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, Construction Permit Application	$2,105.00	$2,000.00	N/A	N/A	N/A

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	$1,580.00	$1,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,000.00	N/A	N/A	N/A
Sub-total	$36,830.00	$25,000.00	N/A	$0.00	N/A
Total for all systems	$4,455,047.00	$2,898,708.00	N/A	$2,568,097.04	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
Other Expenses	**$84,550.00**	**$84,000.00**		**$36,258.50**	
Equipment Delivery and Handling Charges	***$38,000.00***	$38,000.00	N/A	$30,168.50	N/A
MVPD Notification of Channel Change	***$5,000.00***	$5,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	***$0.00***	$0.00	N/A	N/A	N/A
Equipment Storage	***$15,000.00***	$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	***$15,000.00***	$15,000.00	N/A	N/A	N/A
Sub-total	$84,550.00	$84,000.00	N/A	$36,258.50	N/A
Total for all systems	$4,455,047.00	$2,898,708.00	N/A	$2,568,097.04	N/A

Components

Actual Information Description	File Name

Equipment Delivery and Handling Charges	**Component Description:** **Amount:**	Freight and Shipping $6,983.98
	Component Description: **Amount:**	Freight charges $22,321.38
	Component Description: **Amount:**	Freight for transmitter $7,225.54
	Component Description: **Amount:**	Freight $121.25
	Component Description: **Amount:**	Freight and Shipping $863.14
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage	**Component Description:** **Amount:**	Storage Fee $2,340.00
DTV Medical Facility Notification	**Component Description:** **Amount:**	medical testing $3,750.00
Local Zoning	Information not provided.	

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$4,455,047.00	$2,898,708.00	$2,568,097.04

Reimbursement Status

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

Certification

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

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* 11/30/2020

Certification

Section	Question	Response
Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (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).	
	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. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

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* 11/30/2020

Attachments