

(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility 23341 Service: DTV Call WTAJ-TV Channel: 24 (UHF)

ID:

Sign:

File **0000028759** 

Number:

FRN: **0009961889** Date **10/08** 

Submitted: /2021

# Applicant Information

#### **Applicant Name, Type, and Contact Information**

Applicant	Address	Phone	Email	Applicant Type
Nexstar Media Inc.	Elizabeth Ryder 545 E. JOHN CARPENTER FREEWAY SUITE 700 IRVING, TX 75062 United States	+1 (972) 373-8800	eryder@nexstar. tv	Corporation

# Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email	
[Confidential]				

#### Preparer Contact Information

#### **Preparer Contact Name and Information**

Applicant	Address	Phone	Email
Elizabeth Ryder General Counsel Nexstar Media Inc.	Elizabeth Ryder 545 E. John Carpenter Freeway Suite 700 Irving, TX 75062 United States	+1 (972) 373- 8800	eryder@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	Purchase new transmitter, antenna and line. Map and analyze tower; design and implement modifications if required. See attached

### **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	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
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	TTUF1000FT
	Year	2003
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	0.4 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?	No
	Manufacturer	
	Model	TMU9evo-1
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	0.4 kW
	Justification for New Transmitter	Manufacturer is out of business.

# Auxiliary 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	2 inches
	Length	100.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No

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

# Auxiliary Transmitter

## **Other Transmitter Cost Not Listed**

Name	Description
Transmitter Installation	Transmitter Installation

# 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?	Yes
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	Visionary HP30SDW
	Year	2007
	Туре	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	30 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	THU9EVO- 30
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	46 kW
	Justification for New Transmitter	The manufacturer of the existing transmitter is out of business and no factory support is available for the existing transmitter. A new Comark Paragon MSDC IOT transmitter is the basis for a replacement as suggested by the FCC. Final is R&S THU9evo-30.

### Primary Transmitter

#### **Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	100.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

#### Primary Transmitter

## **Other Transmitter Cost Not Listed**

Name	Description
Transmitter building Modification . Repairs	RePack Transmitter building modifications and repairs for new transmitter. Please see Lechner Enterprises quote attached.

Additional Transmitter Costs	Additional Transmitter Costs
Additional Interior RF System	Additional Interior RF System
Transmitter Electrical Services	Transmitter Electrical Services
Concrete Pad and Ice Shield	concrete pad for heat exchangers, pumps, and ice bridge to the tower.

#### **Antennas**

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

## **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	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	3.33 kW

Manufacturer	
Model	SL-8
Year	2002

### **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	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	3.33 kW
	Manufacturer	
	Model	TBD

Year	2018
Justification for New Antenna	The existing primary antenna is a single channel slotted coaxial which cannot accommodate the assigned channel.

#### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	3 1/8 inches inches
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?	Yes

Sweep Test	Do you require the sweep testing of	Yes
	transmission line and antenna?	

**Other Antenna Cost Not Listed** 

Information not provided.

## **Existing Antenna Information**

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	883.0 kW

Manufacturer	
Model	ATL32H3- H50-32
Year	2007

### **New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Primary (Main)
Description	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?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	499.0 kW
	Manufacturer	
	Model	TFU-30GTH /VP-R 04

Year	2018
Justification for New Antenna	The existing primary antenna is a single channel slotted coaxial which cannot accommodate the assigned channel.  Moving to top mount.
	mount.

#### **Other Antenna Costs**

Do you need a Combiner for a Shared Antenna?  Type	
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
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
Do you require the separate purchase of side mount brackets for a high power antenna?	
	Frequencies of channels supported  Frequency  Do you need a combiner output splitter /switcher for dual feed lines?  Do you require the separate purchase of the Elbow Complex?  Broadband or Single Channel?  Feed Line Size  Do you require the separate purchase of side mount brackets for a high power

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

### **Other Antenna Cost Not Listed**

Name Description	
Strobe Light Parts for Antenna	Parts to use Strobe light for New Antenna

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

# Auxiliary Transmission

# **Add Transmission Line**

Section Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Auxiliary (Backup)
	Description of Use	Auxiliary
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmission currently shared with any other stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission	Manufacturer	RCA
Line Manufacturer and Type	Туре	Rigid
	Diameter	3 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	315 feet per run

# Auxiliary Transmission

# Other Transmission Line Expenses Not Listed

n Line	Description
Sweep Tests	Sweep line to confirm operation on assigned channel

# Primary Transmission Line

## **Existing Transmission Line**

n Line Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission	Manufacturer	
Line Manufacturer and Type	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	185 feet per run

# Primary

### **New Transmission Line**

Transmissio	n Line Section	Question	Response
	New Transmission Line Costs	Use	Primary (Main)
		Description of Use	N/A
		Change Type	Purchase New
		Is this a request for upgraded equipment?	Yes
		Туре	Rigid
		Diameter	6 1/8 inches
		Other Diameter	N/A
		Segment Length	19 3/4 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	210 feet per run
		Justification for New Transmission Line	New line to feed the new top mounted antenna

Primary Other Transmission Line Expenses Not Listed

Transmission loine tion not provided.

### Tower Equipment And Rigging Costs

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

## Primary Tower

### **Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	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	Do you have a tower registration number?	Yes
Registration	ASR Number	1026694
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	40° 34' 01.0" N-
	Longitude (NAD83)	078° 26' 29.0" W-
	Overall Structure Height	269.68 feet
	Support Structure Height	202.10 feet
	Ground Elevation Above Mean Sea Level (AMSL)	2552.79 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Nexstar Broadcasting, Inc.
Date Constructed	01/01/1996

## Primary Tower

### **Tower Modification Costs**

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

## Primary Tower

# **Tower Rigging Costs**

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

### Primary Tower

# Other Tower Expenses Not Listed

Name	Description
Modifications to accommodate New Primary Antenna	Weather Days, Elongating holes for Antenna Installation, Additional Day of Crane Charges.

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	750
	Explanation	Schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399. Station does not have available personnel or personnel trained in project management for such complex projects. Internal accounting and Project management.
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	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	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
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	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	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	No

RF exposure measurements	No
Additional Field Engineering Service	Yes
Number of Days	17
Justification	It will be necessary to survey the site, plan the equipment, develop specifications for purchasing, and oversee multiple vendor RF projects. Station does not have available personnel or personnel trained in such services.

Outside
Professional Services Expenses Not Listed
Professional Services ©qstsided.

# 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	No
	Non-zoning permits	Yes
	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)?	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
Equipment Rentals	Equipment Rentals

# **Cost Information**

### **Transmitters**

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

	Predetermined	Estimated	Estimated Cost		Actual Cos
Description	Cost Estimate	Cost	Justification	Actual Cost	Justificatio
Primary Transmitter THU9EVO-30	\$1,726,169.00	\$856,119.00		\$832,167.35	
Concrete Pad and Ice Shield	\$32,600.00	\$32,600.00	See MultiComm and Lechner proposals	\$32,599.03	N/A
Transmitter Electrical Services	\$795.00	\$795.00	Disconnect high voltage equipment; see Cogan quote 1519	\$794.32	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,900.00	N/A	N/A	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	\$24,300.00	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$17,250.00	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$606,400.00	Total cost \$918,005 less (\$311,605) upgrade cost which is not reimbursable; see Rohde & Schwarz quote 133282.3	\$606,400.00	N/A

Duilding   Modification   Repairs						
Transmitter Costs	building Modification	\$1,860.00	\$1,860.00	Transmitter building modifications and repairs for new transmitter. Please see Lechner Enterprises	\$1,860.00	N/A
Interior RF   System   S87,800.00   \$59,500.00   \$47,000.00   \$47,000.00   \$10,00	Transmitter	\$8,964.00	\$8,964.00	Schwarz quote	\$8,964.00	N/A
Transmitter TMU9evo-1  Switchgear	Interior RF	\$140,000.00	\$140,000.00	N/A	\$140,000.00	N/A
- industrial 800 amp  Transmitter Installation \$16,300.00 \$16,300.00 \$2,500.00 \$1,400.00 \$16,300.00 \$1,500	Transmitter	\$87,800.00	\$59,500.00		\$47,000.00	
Installation	- industrial	\$38,200.00	\$10,000.00	N/A	N/A	N/A
Conduit and Wiring (Cost per foot)  UHF - Air \$30,700.00 \$30,700.00 See Rohde & \$30,700.00 N/Cooled Schwarz quote Solid State Transmitter 0.4 kW  Sub-total \$1,813,969.00 \$915,619.00 N/A \$879,167.35 N/Cooled Schwarz Quote Solid State Transmitter 0.4 kW		\$16,300.00	\$16,300.00	Communications	\$16,300.00	N/A
Cooled         Schwarz quote           Solid State         235730.1           Transmitter         0.4 kW           Sub-total         \$1,813,969.00         \$915,619.00         N/A         \$879,167.35         N/A	Conduit and Wiring (Cost per	\$2,600.00	\$2,500.00	N/A	N/A	N/A
	Cooled Solid State Transmitter	\$30,700.00	\$30,700.00	Schwarz quote	\$30,700.00	N/A
Total for all \$3,423,409.00 \$2,357,429.10 N/A \$1,615,083.99 N/	Sub-total	\$1,813,969.00	\$915,619.00	N/A	\$879,167.35	N/A
systems	Total for all systems	\$3,423,409.00	\$2,357,429.10	N/A	\$1,615,083.99	N/A

# Components

Actual Information Description	File Name	
Concrete Pad and Ice Shield		
	Component Description:	Installation of ice shielding from transmitter building to the tower - 25% installment payment
	Amount:	\$6,692.51
	Common ant Decemention	A delision of words
	Component Description:	Additional work done on ice shield
	Amount:	\$2,014.00
	Common ant Decemention	Installation of ice
	Component Description:	Installation of ice shielding from
		transmitter building to the
		tower - 75%
		installment payment
	Amount:	\$20,077.52
	Component Description:	Concrete pad, installment #2
	Amount:	\$1,907.50
	Component Description:	Concrete pad, installment #1
	Amount:	\$1,907.50
	Component Description:	Concrete pad, installment #1
	Amount:	\$1,907.50

Transmitter Electrical Services	Component Description: Amount:	Electrical services \$794.32
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Transformer 3 phase/480v - 150 KVA	Component Description:	Transmitter installation and electrical services, installment #1
	Amount:	\$12,150.00
	Component Description:	Transmitter installation and electrical services, installment #2
	Amount:	\$12,150.00
Switchgear - industrial 800 amp	Component Description:	Transmitter installation and electrical services,
	Amount:	installment #1 \$8,625.00
	Component Description:	Transmitter installation and electrical services, installment #2
	Amount:	\$8,625.00

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Component Description:	Transmitter, installment #3, less upgrade cost
	Amount:	\$60,640.00
	Component Description:	Transmitter, installment #1, less cost of
	Amount:	upgrade \$151,600.00
	Component Description:	Transmitter, installment #2,
	Amount:	less upgrade cost \$394,160.00
Transmitter building		
Modification . Repairs	Component Description:	Transmitter building repairs
	Amount:	\$1,860.00
Additional Transmitter Costs	Common and Documentian	A delition of
	Component Description:	Additional transmitter costs
	Amount:	\$8,964.00
Additional Interior RF System		
	Component Description:	Transmitter installation and electrical services,
	Amount:	installment #1 \$70,000.00
	Component Description:	Transmitter installation and electrical services,
		installment #2

witchgear - industrial 800 mp	Information not provided.	
ransmitter Installation	Component Description:	Aux transmitte installation and
	Amount:	proof \$16,300.00
Rigid Conduit and Wiring ost per foot)	Information not provided.	
IF - Air Cooled Solid State ansmitter 0.4 kW	Component Description:	Auxiliary transmitter, installment #1
	Amount:	\$7,675.00
	Component Description:	Auxiliary transmitter, installment #1
	Amount:	\$7,675.00
	Component Description:	Auxiliary transmitter,
	Amount:	installment #2 \$23,025.00

#### **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-30GTH /VP-R 04	\$556,643.00	\$223,719.00		\$223,719.00	
Strobe Light Parts for Antenna	\$1,113.00	\$1,113.00	See Hughey & Phillips quote	\$1,113.00	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,298.00	Cost reduced from \$11,700 to \$10,298 per Dielectric quote DMS134-5	\$10,298.00	N/A
UHF - High Power Top Mount (200- 1000 kW), One station antenna, elliptically or circularly polarized	\$289,500.00	\$20,590.80	Balance remaining on antenna; correction made from HPol to Vpol on 399; Total cost per Dielectric quote DMS134-5 \$236,658 less vpol (\$30,750) and less amounts submitted previously (\$185,317.20)	\$20,590.80	N/A

Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
UHF - High Power Top Mount (200- 1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$185,317.20	***System Notice: Estimate adjusted and locked because line has been superseded. ***Cost reduced from \$235,000 to \$205,908 per Dielectric quote DMS134-5 antenna cost \$236,658 less vpol (\$30,750) which is not reimbursable	\$185,317.20	N/A
Auxiliary Antenna TBD	\$127,740.00	\$125,800.00		\$0.00	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna	\$23,150.00	\$22,000.00	N/A	N/A	N/A

Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	\$7,600.00	\$7,400.00	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, Side Mount, basic slot antenna, 3 kW input, directional,, horizontally polarized	\$85,000.00	\$85,000.00	N/A	N/A	N/A
Sub-total	\$684,383.00	\$349,519.00	N/A	\$223,719.00	N/A
Total for all systems	\$3,423,409.00	\$2,357,429.10	N/A	\$1,615,083.99	N/A

Actual Information Description	File Name	
Strobe Light Parts for Antenna	Component Description: Amount:	Strobe light parts \$1,113.00

Elbow complex, single channel, at antenna input,	Component Descriptions	Elbour oo zaalarr
per 6 1/8. feedline (if needed)	Component Description:	Elbow complex, installment #2,
		line 3 of invoice
	Amount:	\$4,634.10
	Amount.	ψ4,004.10
	Component Description:	Elbow complex,
		installment #1,
		line 3 of invoice
	Amount:	\$4,634.10
	Component Description:	Elbow complex, balance due
	Amount:	\$1,029.80
	Amount.	φ1,023.00
UHF - High Power Top		
Mount (200-1000 kW), One	Component Description:	Main antenna,
station antenna, elliptically		balance due
or circularly polarized	Amount:	\$20,590.80
Sweep test of existing antenna	Component Description:	Sweep test
	Amount:	\$6,400.00
		<b>4</b> 0, 100.00
UHF - High Power Top		
Mount (200-1000 kW), One station antenna, horizontally	<b>Component Description:</b>	Main antenna,
polarized		installment #2,
polarizou		line 1 of invoice
	Amount:	\$92,658.60
	Component Description:	Main antenna,
	Component Description.	installment #1,
		line 1 of invoice
	Amount:	\$92,658.60
Pattern scatter analysis for	Information not provided.	
side mount high/med power		
antennas (if not included in		
antenna base cost)	A CONTRACTOR OF THE CONTRACTOR	

Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.
Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	Information not provided.
Sweep test of existing antenna	Information not provided.
UHF - High Power, Side Mount, basic slot antenna, 3 kW input, directional,, horizontally polarized	Information not provided.

#### **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	\$42,420.00	\$55,064.10		\$55,064.10	
Rigid Transmission Line - copper, 6 1/8"	\$42,420.00	\$55,064.10	Cost per Dielectric quote DMS134-5	\$55,064.10	N/A
Auxiliary Transmission Line	\$6,400.00	\$6,400.00		\$0.00	
Sweep Tests	\$6,400.00	\$6,400.00	N/A	N/A	N/A
Sub-total	\$48,820.00	\$61,464.10	N/A	\$55,064.10	N/A
Total for all systems	\$3,423,409.00	\$2,357,429.10	N/A	\$1,615,083.99	N/A

<b>Actual Information</b>	
Description	File Name

Rigid Transmission Line - copper, 6 1/8"		
	Component Description:	Transmission line,
		installment #2, line
		4 of invoice
	Amount:	\$24,778.85
	Component Description:	Transmission line,
	Amount:	\$5,506.40
	Component Description:	Transmission line,
		installment #1, line
		4 of invoice
	Amount:	\$24,778.85
Sweep Tests	Information not provided.	

#### **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 C
Primary Tower TOWER	\$552,937.00	\$716,037.00		\$316,037.00	
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	N/A	N/A
Short Tower (less than 500')	\$84,200.00	\$260,100.00	Proposal from Precision Communications # 19360-5 for Antenna and transmission line work was more than expected. See also Proposal 210904-5 to decommission pre-repack antenna as required by structural analysis	\$260,100.00	N/A
Modifications to accommodate New Primary Antenna	\$21,437.00	\$21,437.00	See PCI Addendum to Proposal 19360- 5	\$21,437.00	N/A

Tower mapping for	\$26,300.00	\$34,500.00	See related invoices/quotes	\$34,500.00	N/A
an			invoices/quotes		
undocumented					
poorly					
documented					
tower and					
preparation of					
documentation					
necessary for					
tower load					
study					
Study					
Sub-total	\$552,937.00	\$716,037.00	N/A	\$316,037.00	N/A
Total for all	\$3,423,409.00	\$2,357,429.10	N/A	\$1,615,083.99	N/
systems					

Actual Information Description	File Name	
Major tower reinforcement /modifications	Information not provided.	
Short Tower (less than 500')	Component Description: Amount:	Antenna removal, installment #2 \$58,600.00
	Component Description: Amount:	Main antenna installation, installment #1 \$114,800.00
	Component Description:  Amount:	Main antenna installation, installment #2 \$57,400.00
	Component Description: Amount:	Antenna removal, installment #1 \$29,300.00

Modifications to accommodate New Primary Antenna

Component Description: Weather delays

and additional

work

**Amount:** \$21,437.00

Component Description: Main antenna

installation

weather days and

added costs

**Amount:** \$22,007.00

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

Component Description: Structural analysis

services, installment #1 \$2,888.75

Amount:

Amount:

**Component Description:** 

Structural analysis

\$500.00

Component Description: Structural

analysis, installment #2

**Amount:** \$6,566.25

**Component Description:** Structural analysis

**Amount:** \$621.25

Component Description: Structural analysis

**Amount:** \$14,050.00

Component Description: Structural

analysis, balance

due

**Amount:** \$5,461.25

Component Description: Structural analysis

**Amount:** \$2,000.00

Component Description: Structural

analysis, installment #3

**Amount:** \$2,412.50

#### **Outside Professional Services**

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

			Estimated		
Description	Predetermined Cost Estimate	Estimated Cost	Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$183,210.00	\$175,250.00		\$56,693.50	
Additional Field Engineering Service, 17 Days	\$34,000.00	\$34,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$118,500.00	\$112,500.00	750 hours budgeted	\$56,068.50	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A

Total for all systems	\$3,423,409.00	\$2,357,429.10	N/A	\$1,615,083.99	N/A
Sub-total	\$183,210.00	\$175,250.00	N/A	\$56,693.50	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
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$625.00	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
- Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	IV/A
Attorney Fees	<b>A=</b> 000 00	<b>.</b>		N1/A	N/A

<b>Actual Information</b>	
Description	File Name

Additional Field Engineering Service, 17 Days	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	Information not provided.	
Project management of the transition	Component Description:  Amount:	Project Management for Structural Analysis and Tower Modifications including consultants Kessler and Gehman Associates. Services from May 27, 2017 through June 30, 2017. \$13,500.00
	Component Description:	Project management services 5.26.18 through 6.29.18
	Amount:	\$5,190.00
	Component Description:	Project management services Aug 2019
	Amount:	\$185.00
	Component Description:	Project management
	Amount:	services \$352.50

Component Description: Project

management

services June 2019

**Amount:** \$65.00

Component Description: Project

management services, items 1-3, 5-6 from invoice

summary

**Amount:** \$2,301.50

**Component Description:** Project

management services 6.29.19 through 7.26.19

**Amount:** \$782.00

Component Description: Project

management services 4.27.19 through 5.31.19

**Amount:** \$600.00

Component Description: Project

Management for Structural Analysis

and Tower Modifications period 1/1/18 to 1

/26/18

**Amount:** \$1,875.00

Component Description: Project

management services 7.28.18 through 9.28.18

**Amount:** \$6,345.00

**Component Description:** Project

management services 3.2.19 through 3.29.19

**Amount:** \$375.00

**Component Description:** Project

management services 3.30.19 to 4.26.19

**Amount:** \$750.00

Component Description: Project

Management for Structural Analysis

and Tower

Modifications for services from June 30, 2018 through July 27,

2018.

**Amount:** \$1,800.00

Component Description: Project

management

services Sep 2019

**Amount:** \$140.00

Component Description: Project

management

services Aug 2019

**Amount:** \$390.00

Component Description: Project

management services 12.1.18 through 1.31.19

**Amount:** \$975.00

Component Description: Project

management

services Feb 2020

**Amount:** \$65.00

Component Description: Project

management

services

**Amount:** \$260.00

**Component Description:** Project

management

services 2.1.19 through 3.1.19

**Amount:** \$3,550.00

Component Description: Project

Management for Structural Analysis

and Tower
Modifications

period 10/27/17 to

12/31/17

**Amount:** \$3,975.00

Component Description: 399 submit

invoices March

2019

**Amount:** \$338.00

Component Description: Project

management

services Nov 2018

**Amount:** \$50.00

**Component Description:** Project

management services 9.29.18 through 10.26.18

**Amount:** \$1,200.00

**Component Description: Project** 

> management services 6.1.19 through 6.28.19

\$600.00 Amount:

**Component Description: Project** 

management services Oct 2018

Amount: \$50.00

**Component Description:** 

**Project** 

management

services

Amount: \$158.00

**Component Description:** 

**Project** 

management

services Sep 2018

Amount: \$225.00

**Component Description:** 

**Project** 

management services July 2019

\$260.00

**Component Description:** 

Amount:

**Project** 

Management for

Structural Analysis and Tower

Modifications including consultants

Kessler and Gehman Associates. Services from

January 27, 2018 through February

23, 2018.

\$1,500.00 Amount:

**Component Description: Project** management services April 2019 \$123.50 Amount: **Component Description: Project** management services Amount: \$6,763.00 **Component Description: Project** management services June 2019 Amount: \$110.00 **Component Description: Project** management services 10.27.18 through 11.30.18 Amount: \$1,350.00 **Component Description: Project** management services Jan 2019 Amount: \$125.00 Attorney Fees -Prepare and Information not provided. File FCC Form 2100 (main), License to Cover Application Attorney Fees - Prepare and Information not provided. File FCC Form 2100 (main), Construction Permit Application Prepare request for Special Information not provided.

**Temporary Authorization** 

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description:	Prepare Engineering Portion of License
	Amount:	to Cover \$625.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Perform engineering study for new channel assignment and antenna development	Information not provided.	

#### **Other Expenses**

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

Predetermined Cost Estimate	Estimated	Estimated		
July Tolling	Cost	Cost Justification	Actual Cost	Actual Cost Justification
\$140,090.00	\$139,540.00		\$84,403.04	
\$25,000.00	\$25,000.00	N/A	N/A	N/A
\$1,275.00	\$1,275.00	See related invoices	\$1,273.46	N/A
\$2,000.00	\$2,000.00	N/A	N/A	N/A
\$3,500.00	\$3,500.00	N/A	N/A	N/A
\$49,500.00	\$49,500.00	See related invoices	\$48,994.58	N/A
\$31,265.00	\$31,265.00	Total per quote from USA Commercial Estimate EST-5 rev and Boyer Refrigeration 191379	\$31,265.00	N/A
\$11,550.00	\$11,000.00	N/A	\$1,940.00	N/A
\$16,000.00	\$16,000.00	N/A	\$930.00	N/A
	\$25,000.00 \$1,275.00 \$2,000.00 \$3,500.00 \$49,500.00 \$11,550.00	\$25,000.00 \$25,000.00 \$1,275.00 \$1,275.00 \$2,000.00 \$2,000.00 \$3,500.00 \$3,500.00 \$49,500.00 \$31,265.00 \$11,550.00 \$11,000.00	\$25,000.00 \$25,000.00 N/A  \$1,275.00 \$1,275.00 See related invoices  \$2,000.00 \$2,000.00 N/A  \$3,500.00 \$3,500.00 N/A  \$31,265.00 \$31,265.00 Total per quote from USA Commercial Estimate EST-5 rev and Boyer Refrigeration 191379  \$11,550.00 \$11,000.00 N/A	\$25,000.00 \$25,000.00 N/A N/A  \$1,275.00 \$1,275.00 See related invoices  \$2,000.00 \$2,000.00 N/A N/A  \$3,500.00 \$3,500.00 N/A N/A  \$49,500.00 \$49,500.00 See related invoices  \$31,265.00 \$31,265.00 Total per quote from USA Commercial Estimate EST-5 rev and Boyer Refrigeration 191379  \$11,550.00 \$11,000.00 N/A \$1,940.00

Sub-total	\$140,090.00	\$139,540.00	N/A	\$84,403.04	N/A
Total for all systems	\$3,423,409.00	\$2,357,429.10	N/A	\$1,615,083.99	N/A

Actual Information Description	File Name	
Non-zoning permits	Information not provided.	
Equipment Rentals	Component Description:	Dumpster rental
	Amount:	and disposal \$373.94
	Component Description: Amount:	Dumpster rental and disposal \$329.52
	Component Description: Amount:	Tower company equipment rentals \$570.00
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	

Equipment Delivery and Handling Charges	Component Description	Transmitter
	Component Description:	consolidation
		services
	Amount:	\$20,909.00
		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Component Description:	Auxiliary
		transmitter
		consolidation
		services
	Amount:	\$16,924.00
	Component Description:	Antenna shipping
		cost
	Amount:	\$1,836.49
	Component Description:	Freight for strobe
		light parts
	Amount:	\$38.24
	Component Description:	Main antenna
		freight cost
	Amount:	\$9,286.85
Disposal Costs (for		
equipment and other waste, net of any salvage value)	<b>Component Description:</b>	Transmitter
not of any salvage value)		building disposal
		costs
	Amount:	\$2,765.00
	Component Description:	Removal services
	Amount:	\$28,500.00
DTV Medical Facility		
Notification	<b>Component Description:</b>	Notification of
		medical facilities
	Amount:	\$1,940.00

Equipment Storage		
	Component Description:	Main antenna
		storage cost
	Amount:	\$930.00

#### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,423,409.00	\$2,357,429.10	\$1,615,083.99

Reimburseme	entestiatus	Response
	The facility has ceased operating on its pre- auction channel.	Yes
	Construction of final facilities or all necessary modifications are complete.	Yes
	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.	Yes

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 abovenamed applicant for the Authorization(s) specified above. Elizabeth Ryder General Counsel

10/08/2021

Section Question Response

#### Submission of Final Allocation or Accounting Information 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 and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. The abovenamed entity acknowledges that all certifications and attached documentation are considered material representations.
- 2. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.

- 3. The above-named entity certifies that all costs identified as "actual costs" herein accurately represent the costs actually paid by the above-named entity, including any discounts, refunds, or rebates.
- 4. 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.
- 5. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 6. 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 abovenamed applicant for the Authorization(s) specified above. Elizabeth Ryder General Counsel

10/08/2021

#### **Attachments**