



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **9635** | Service: **DTV** | Call **WFRV-TV** | Channel: **22 (UHF)** |
ID: | Sign:
File **000028565**
Number:
FRN: **0009961889** | Date **03/31**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
NEXSTAR BROADCASTING, 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 Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Elizabeth Ryder <i>General Counsel</i> <i>Nexstar Broadcasting, Inc.</i>	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.	Yes
Briefly describe transition plan	Replace transmitter, antenna, and transmission line. Acquire interim antenna system during construction and duration of the assigned phase. 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

**Primary
Transmitter**

Add 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 and Type	Manufacturer	
	Model	SigmaCD
	Year	2005
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 kW

**Primary
Transmitter**

New Transmitter Costs

Section	Question	Response
<p>New Transmitter</p>	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	THU9EVO-36
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	55 kW
	Justification for New Transmitter	<p>The manufacturer of the existing IOT transmitter advises that the transmitter cannot be re-tuned to the assigned channel. A new Comark Paragon MSDC IOT transmitter is the price basis for a replacement as suggested by the FCC. See attachment.</p>

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	300 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
	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 leasehold 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
Additional Transmitter Parts, Elbows, Transformers, and Adapters	Additional Needed parts for New Rohde and Schwarz Transmitter

Additional Interior RF System	Interior RF System Existing Transmitter to Interim Transmission line
Transmitter Electrical and Installation	Transmitter Electrical Service
Lull Rental for Transmitter Installation	Lull Rental for Transmitter Install

Antennas

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

**Primary
Antenna**

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	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 Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	1
	Number of Panels	70
	Design power capacity in use	100.0 %
	Lower Limit	470.00 MHz
	Upper Limit	692.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW

Manufacturer	
Model	TUD-C5SP-14/70H-1
Year	2002

**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)	775.0 kW
Manufacturer		

Model	TFU-25ETT /VP-R C150
Year	2018
Justification for New Antenna	Panel antenna pattern coverage cannot be replicated on assigned channel within 1% limitation

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	7 3/16 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
Mount Adapter Plate	Mount Adapter Plate

**Interim
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	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)	1000.0 kW
	Manufacturer	
	Model	TFU-16WB C160
Year	2018	

Justification for New Antenna	An interim antenna is necessary to keep station on the air during primary antenna replacement and for the duration of the assigned phase. Station will attempt to rent if renting is available at time of acquisition.
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Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an 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 transmission line and antenna?	Yes

**Interim
Antenna**

Other Antenna Cost Not Listed

Information not provided.

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	Broadband
	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
Sweep Tests	Sweep line to confirm acceptable performance on assigned channel
Transmission line 7-75	Transmission line 7-75
Trans Test 7-75	Trans Test 7-75

**Interim
Transmission
Line**

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	6 1/8 inches
	Segment Length	20'
	Other Segment Length	
	Number of parallel runs	1
	Length	1000 feet per run

Justification for New Transmission Line

An interim transmission line is necessary for the interim antenna to keep station on the air during primary antenna replacement and for the duration of the assigned phase. Station will attempt to rent if renting is available at time of acquisition.

Interim **Other Transmission Line Expenses Not Listed**
Transmission information not provided.
Line

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	Leased
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	Yes
	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	1224036
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	44° 20' 00.1" N-
	Longitude (NAD83)	087° 58' 55.7" W-
	Overall Structure Height	1155.83 feet
	Support Structure Height	1151.89 feet
	Ground Elevation Above Mean Sea Level (AMSL)	892.05 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	SpectraSite Communications, LLC. through American Towers, LLC.
Date Constructed	04/15/1999

**FM, AM or TV radio
broadcasters. Facility ID's,
Call Signs and Services of
other broadcast stations with
whom the tower is shared**

Facility ID	Call Sign	Service
73042	WCWF	DTV

Other Types of Users

Users
Various mwave

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

Information not provided.

Outside Professional Services Costs

Section	Question	Response
<p>Outside Project Management Services</p>	<p>Do you require outside project management services?</p>	<p>Yes</p>
	<p>Number of Hours</p>	<p>273</p>
	<p>Explanation</p>	<p>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.</p>
<p>Outside RF consulting Engineering Services</p>	<p>Perform engineering study for new channel assignment and antenna development</p>	<p>Yes</p>
	<p>Prepare engineering section of Form FCC Construction Permit Application</p>	<p>Yes</p>
	<p>For Auxiliary Facility</p>	<p>No</p>
	<p>For Main Facility</p>	<p>Yes</p>
	<p>Prepare engineering section of Form FCC License to Cover Application</p>	<p>Yes</p>
	<p>For Auxiliary Facility</p>	<p>No</p>
	<p>For Main Facility</p>	<p>Yes</p>

	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	Yes
	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	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	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	9
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 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	No
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
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
Sales and Use Tax	Sales and Use Tax
Tower Space Rental for Interim Antenna	Additional Tower space rental for Interim Antenna until top mount Primary Antenna is in place and functional.
Tower Company Coordination	Tower Company coordination with other stations and wireless

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 THU9EVO-36	\$2,102,960.00	\$1,489,280.00		\$1,253,480.00	
Transmitter Electrical and Installation	<i>\$75,160.00</i>	\$75,160.00	See Rohde & Schwarz quote 192460.0	\$75,160.00	N/A
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,178,320.00	See attached pricing from Comark for a two tube IOT.; cost reduced down from 1,388,470 to 1,178,320 per Rohde & Schwarz quote 133218.0 attached	\$1,178,320.00	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	N/A	N/A
Additional Transmitter Parts, Elbows, Transformers, and Adapters	<i>\$17,000.00</i>	\$17,000.00	N/A	N/A	N/A

Additional Interior RF System	\$140,000.00	\$140,000.00	N/A	N/A	N/A
Lull Rental for Transmitter Installation	\$2,600.00	\$2,600.00	N/A	N/A	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,900.00	N/A	N/A	N/A
Sub-total	\$2,102,960.00	\$1,489,280.00	N/A	\$1,253,480.00	N/A
Total for all systems	\$3,754,602.50	\$3,173,999.00	N/A	\$2,258,586.49	N/A

Components

Actual Information	
Description	File Name
Transmitter Electrical and Installation	<p>Component Description: Transmitter electrical service; see also sales tax</p> <p>Amount: \$75,160.00</p>
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	<p>Component Description: Transmitter system, installment #3</p> <p>Amount: \$294,580.00</p> <p>Component Description: Transmitter system, installment #2</p> <p>Amount: \$589,160.00</p> <p>Component Description: Transmitter system, installment #1</p> <p>Amount: \$294,580.00</p>

Switchgear - industrial 800 amp	Information not provided.
Transformer 3 phase/480v - 300 KVA	Information not provided.
Additional Transmitter Parts, Elbows, Transformers, and Adapters	Information not provided.
Additional Interior RF System	Information not provided.
Lull Rental for Transmitter Installation	Information not provided.
3" Rigid Conduit and Wiring (Cost per foot)	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
Interim Antenna TFU-16WB C160	\$149,365.00	\$147,025.00		\$101,925.00	
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 base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$11,700.00	N/A	N/A	N/A

UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, horizontally polarized	<i>\$101,925.00</i>	\$101,925.00	Used High Power Top Mount for budget because side mount is only rated for 500 kW. Cost revised from \$235,000 to \$101,925 per Dielectric quote 700425CMZ-1.	\$101,925.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Primary Antenna TFU-25ETT /VP-R C150	\$321,800.00	\$231,761.00		\$202,824.90	
Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	\$13,900.00	\$12,383.00	See Dielectric quote 700500CMZ-4	\$11,144.70	N/A
Mount Adapter Plate	<i>\$11,670.00</i>	\$11,670.00	See Dielectric change order.	\$10,503.00	N/A

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$201,308.00	See Dielectric quote 700500CMZ-4 \$221,933 less cost of vpol (\$20,625) which is not reimbursable	\$181,177.20	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Sub-total	\$471,165.00	\$378,786.00	N/A	\$304,749.90	N/A
Total for all systems	\$3,754,602.50	\$3,173,999.00	N/A	\$2,258,586.49	N/A

Components

Actual Information	
Description	File Name
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
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 6 1/8. feedline (if needed)	Information not provided.

<p>UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, horizontally polarized</p>	<p>Component Description: Aux antenna, installment #2, line 1 of invoice Amount: \$45,866.25</p>
<p></p>	<p>Component Description: Aux antenna, 10% balance due Amount: \$10,192.50</p>
<p></p>	<p>Component Description: Aux antenna, installment #1, line 1 of invoice Amount: \$45,866.25</p>
<p>Sweep test of existing antenna</p>	<p>Information not provided.</p>
<p>Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)</p>	<p>Component Description: Elbow complex, installment #1, line 3 of invoice Amount: \$5,572.35</p>
<p></p>	<p>Component Description: Elbow complex, installment #2, line 3 of invoice Amount: \$5,572.35</p>
<p></p>	<p>Component Description: Elbow complex, line 3 of invoice, installment #1 Amount: \$5,572.35</p>
<p></p>	<p>Component Description: Elbow complex, line 3 of invoice, installment #2 Amount: \$5,572.35</p>

Mount Adapter Plate

Component Description: Mount Adapter Plate, installment #1, line 7 of invoice
Amount: \$5,251.50

Component Description: Mount adapter plate, line 7 of invoice, installment #1
Amount: \$5,251.50

Component Description: Mount adapter plate, line 7 of invoice, installment #2
Amount: \$5,251.50

Component Description: Mount Adapter Plate, installment #2, line 7 of invoice
Amount: \$5,251.50

<p>UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized</p>	<p>Component Description: Main antenna, installment #1, line 1 of invoice Amount: \$90,588.60</p>
	<p>Component Description: Antenna, line 1 of invoice, installment #2 Amount: \$90,588.60</p>
	<p>Component Description: Main antenna, installment #2, line 1 of invoice Amount: \$90,588.60</p>
	<p>Component Description: Antenna, line 1 of invoice, installment #1 Amount: \$90,588.60</p>
<p>Sweep test of existing antenna</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
Interim Transmission Line	\$202,000.00	\$145,963.30		\$145,963.30	
Rigid Transmission Line - copper, 6 1/8"	\$202,000.00	\$145,963.30	Cost reduced from \$192,000 to \$145,963.30 per Dielectric quote 700425CMZ-1.	\$145,963.30	N/A
Primary Transmission Line	\$13,427.50	\$13,427.50		\$6,324.76	
Sweep Tests	<i>\$6,400.00</i>	\$6,400.00	N/A	N/A	N/A
Transmission line 7-75	<i>\$2,235.00</i>	\$2,235.00	See Dielectric quote 700500CMZ-4.	\$2,011.50	N/A
Trans Test 7-75	<i>\$4,792.50</i>	\$4,792.50	See Dielectric quote 700500CMZ-4.	\$4,313.26	N/A
Sub-total	\$215,427.50	\$159,390.80	N/A	\$152,288.06	N/A
Total for all systems	\$3,754,602.50	\$3,173,999.00	N/A	\$2,258,586.49	N/A

Components

Actual Information	
Description	File Name
Rigid Transmission Line - copper, 6 1/8"	Component Description: Aux transmission line, 10% balance due
	Amount: \$14,596.32
	Component Description: Transmission line, installment #1, line 2 of invoice
	Amount: \$65,683.49
	Component Description: Transmission line, installment #2, line 2 of invoice
	Amount: \$65,683.49
Sweep Tests	Information not provided.

Transmission line 7-75

Component Description: T/L 7-75,
installment #2, line
4 of invoice
Amount: \$1,005.75

Component Description: T/L 7-75, line 4 of
invoice,
installment #2
Amount: \$1,005.75

Component Description: T/L 7-75,
installment #1, line
4 of invoice
Amount: \$1,005.75

Component Description: T/L 7-75, line 4 of
invoice,
installment #1
Amount: \$1,005.75

Trans Test 7-75

Component Description: Trans Test 7-75,
installment #2, line
5 of invoice
Amount: \$2,156.63

Component Description: Trans test, line 5
of invoice,
installment #2
Amount: \$2,156.63

Component Description: Trans Test, line 5
of invoice,
installment #1
Amount: \$2,156.63

Component Description: Trans Test 7-75,
installment #1, line
5 of invoice
Amount: \$2,156.63

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 GTOWER	\$657,800.00	\$851,308.00		\$356,708.00	
Tall Tower (greater than 500')	\$210,500.00	\$419,100.00	See PCI quotes 18804-5, 18804-5 Addendum and 18805- 5	\$324,500.00	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$32,208.00	See American Tower quotes	\$32,208.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	N/A	N/A
Sub-total	\$657,800.00	\$851,308.00	N/A	\$356,708.00	N/A
Total for all systems	\$3,754,602.50	\$3,173,999.00	N/A	\$2,258,586.49	N/A

Components

Actual Information Description	File Name
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Tall Tower (greater than 500')	<p>Component Description: Main antenna installation, installment #2 Amount: \$66,440.00</p> <p>Component Description: Main antenna installation additional costs, installment #2 Amount: \$25,900.00</p> <p>Component Description: Main antenna installation additional costs, installment #1 Amount: \$52,000.00</p> <p>Component Description: Interim antenna installation, installment #1 Amount: \$47,300.00</p> <p>Component Description: Main antenna installation, installment #1 Amount: \$132,860.00</p>
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	<p>Component Description: Structural analysis Amount: \$10,475.00</p> <p>Component Description: Broadcast Tower Mapping Amount: \$21,733.00</p>
Major tower reinforcement /modifications	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	\$86,114.00	\$82,700.00		\$36,321.00	
Additional Field Engineering Service, 9 Days	<i>\$18,000.00</i>	\$18,000.00	N/A	N/A	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
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	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

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$3,000.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$5,750.00	N/A
Project management of the transition	\$43,134.00	\$40,950.00	N/A	\$25,071.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$2,500.00	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
Sub-total	\$86,114.00	\$82,700.00	N/A	\$36,321.00	N/A
Total for all systems	\$3,754,602.50	\$3,173,999.00	N/A	\$2,258,586.49	N/A

Components

Actual Information	
Description	File Name
Additional Field Engineering Service, 9 Days	Information not provided.

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	Prepare FCC Form 2100, item 4 from invoice summary
	Amount:	\$3,000.00
Perform engineering study for new channel assignment and antenna development	Component Description:	Perform engineering study, item 3 from invoice summary
	Amount:	\$5,750.00
Project management of the transition	Component Description:	Project management services 7.27.19 through 8.30.19
	Amount:	\$474.00
	Component Description:	Project management services June 2019
	Amount:	\$97.50
	Component Description:	Project management services July 2019
	Amount:	\$25.00

Component Description: Project management services
Amount: \$4,062.50

Component Description: Project management services May 2019
Amount: \$520.00

Component Description: Project management services April 2019
Amount: \$201.50

Component Description: Project management services various, item 8 from invoice summary
Amount: \$5,445.00

Component Description: Project management services 7.28.18 through 9.28.18
Amount: \$375.00

Component Description: Vendor issued a revised invoice
Amount: (\$12,250.00)

Component Description: Project management services February 2019
Amount: \$175.50

Component Description: Project Management for Structural Analysis and Tower Modifications. Services provided 9 /1/17 to 10/27/17.
Amount: \$1,325.01

Component Description: Project management services April 2019
Amount: \$110.00

Component Description: Project management services March 2019
Amount: \$50.00

Component Description: Project management services 3.30.19 through 4.26.19
Amount: \$300.00

Component Description: Project management services, item 1 from invoice summary
Amount: \$3,900.00

Component Description: Project management services 9.29.18 through 10.26.18
Amount: \$375.00

Component Description: Project management services 1.1.19 through 1.31.19
Amount: \$150.00

Component Description: Project Management for Structural Analysis and Tower Modifications including consultants Kessler and Gehman Associates. Services from May 27, 2017 through June 30, 2017.
Amount: \$12,250.00

Component Description: Project management services May 2019
Amount: \$185.00

Component Description: Project Management for Structural Analysis and Tower Modifications. Services from October 27, 2017 through December 31, 2017.
Amount: \$2,175.00

Component Description: Project management services 6.1.19 through 6.28.19
Amount: \$150.00

Component Description: Project Management for Structural Analysis and Tower Modifications including consultants Kessler and Gehman Associates. Services from January 27, 2018 through February 23, 2018.

Amount: \$750.00

Component Description: Vendor issued a revised invoice

Amount: (\$750.00)

Component Description: Project management services Sep 2018

Amount: \$150.00

Component Description: Project Management for Structural Analysis and Tower Modifications for services from June 30, 2018 through July 27, 2018.

Amount: \$675.00

Component Description: Project management services 5.26.18 through 6.29.18

Amount: \$300.00

Component Description: Project management services 10.27.18 through 12.31.18
Amount: \$1,350.00

Component Description: Project management services 2.1.19 through 3.1.19
Amount: \$1,050.00

Component Description: Project management services 4.27.19 through 5.31.19
Amount: \$900.00

Component Description: Project Management for Structural Analysis and Tower Modifications. Services from January 1, 2018 through January 26, 2018.
Amount: \$975.00

Component Description: Vendor issued a revised invoice
Amount: (\$1,325.01)

Component Description: Prepare FCC Schedule 387, items 5-7 from invoice summary
Amount: \$600.00

	<p>Component Description: Project management services 3.2.19 through 3.29.19</p> <p>Amount: \$300.00</p>
<p>Prepare and or review reimbursement form</p>	<p>Component Description: Prepare reimbursement form, item 2 from invoice summary</p> <p>Amount: \$2,500.00</p>
<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<p>Information not provided.</p>

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	\$221,136.00	\$212,534.20		\$155,039.53	
Tower Company Coordination	<i>\$5,000.00</i>	\$5,000.00	See American Tower quote	\$5,000.00	N/A
Tower Space Rental for Interim Antenna	<i>\$38,400.00</i>	\$38,400.00	Tower space rental for temporary line and antenna	\$38,400.00	N/A
Sales and Use Tax	<i>\$74,000.00</i>	\$74,000.00	Estimated taxes due on equipment and services	\$72,520.33	N/A
MVPD Notification of Channel Change	<i>\$2,000.00</i>	\$2,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$3,500.00</i>	\$3,500.00	Cost to develop and produce spots and crawls for viewer notification	N/A	N/A
Equipment Storage	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$26,156.00</i>	\$26,156.00	See Rohde & Schwarz quote 169917.0	\$26,156.00	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$10,000.00</i>	\$10,000.00	See USA Commercial quote 38a	\$10,000.00	N/A

DTV Medical Facility Notification	\$11,550.00	\$2,963.20	See DTVNotification EST-000894	\$2,963.20	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Non-zoning permits	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Sub-total	\$221,136.00	\$212,534.20	N/A	\$155,039.53	N/A
Total for all systems	\$3,754,602.50	\$3,173,999.00	N/A	\$2,258,586.49	N/A

Components

Actual Information	
Description	File Name
Tower Company Coordination	<p>Component Description: Tower company coordination with other stations and wireless on tower</p> <p>Amount: \$5,000.00</p>
Tower Space Rental for Interim Antenna	<p>Component Description: Tower Space Rental for Interim Antenna</p> <p>Amount: \$38,400.00</p>

Sales and Use Tax	<p>Component Description: Tax due on transmitter electrical services</p> <p>Amount: \$4,133.80</p> <p>Component Description: Tax on ATC fees</p> <p>Amount: \$275.00</p> <p>Component Description: Tax due on tower rent for interim antenna</p> <p>Amount: \$2,112.00</p> <p>Component Description: Tax due on transmitter consolidation services</p> <p>Amount: \$1,438.58</p> <p>Component Description: Tax due on transmitter</p> <p>Amount: \$64,560.95</p>
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.
Equipment Delivery and Handling Charges	<p>Component Description: Transmitter consolidation services</p> <p>Amount: \$26,156.00</p>

Disposal Costs (for equipment and other waste, net of any salvage value)	<p>Component Description: Disposal costs</p> <p>Amount: \$10,000.00</p>
DTV Medical Facility Notification	<p>Component Description: Notification of medical facilities</p> <p>Amount: \$2,963.20</p>
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
Non-zoning permits	Information not provided.

Cost Information **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,754,602.50	\$3,173,999.00	\$2,258,586.49

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
	<p>Submission of Estimated Expenses Statements</p>	<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="758 772 1053 1176">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 data-bbox="758 1198 1037 1444">2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. <li data-bbox="758 1467 1045 1747">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.

**Elizabeth
Ryder**
*General
Counsel*

03/31/2020

Certification	Section	Question	Response
	<p>Submission of Actual Cost Documentation Statements</p>	<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"> 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.

**Elizabeth
Ryder**
*General
Counsel*

03/31/2020

Attachments