



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **9635** | Service: **DTV** | Call **WFRV-TV** | Channel: **22 (UHF)** |
ID: | Sign:
File **0000028565**
Number:
FRN: **0009961889** | Date **06/25**
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,</i> <i>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
New Transmitter	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	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.

**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
Transmitter Electrical and Installation	Transmitter Electrical Service
Lull Rental for Transmitter Installation	Lull Rental for Transmitter Install

Additional Transmitter Parts, Elbows, Transformers, and Adapters	Additional Needed parts for New Rohde and Schwarz Transmitter
Additional Transmitter Costs	Additional Transmitter Costs
Additional Interior RF System	Interior RF System Existing Transmitter to Interim Transmission line

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?	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	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
Trans Test 7-75	Trans Test 7-75
Transmission line 7-75	Transmission line 7-75
Additional Transmission Line Components	Additional Transmission Line Components

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

Name	Description
Additional Transmission Line Components	Additional Transmission Line Components

**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
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	273
	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	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**

Services 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 Company Coordination		Tower Company coordination with other stations and wireless
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 Project Management Fee		Tower Company Project Management Fee

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	\$2,118,310.00	\$1,504,630.00		\$1,268,830.00	
Additional Interior RF System	<i>\$140,000.00</i>	\$140,000.00	N/A	N/A	N/A
Additional Transmitter Costs	<i>\$15,350.00</i>	\$15,350.00	See Rohde & Schwarz quote 189353.1	\$15,350.00	N/A
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	N/A	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
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,900.00	N/A	N/A	N/A

Transmitter Electrical and Installation	\$75,160.00	\$75,160.00	See Rohde & Schwarz quote 192460.0	\$75,160.00	N/A
Lull Rental for Transmitter Installation	\$2,600.00	\$2,600.00	N/A	N/A	N/A
Additional Transmitter Parts, Elbows, Transformers, and Adapters	\$17,000.00	\$17,000.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Sub-total	\$2,118,310.00	\$1,504,630.00	N/A	\$1,268,830.00	N/A
Total for all systems	\$3,803,156.50	\$3,222,553.00	N/A	\$2,432,881.05	N/A

Components

Actual Information	
Description	File Name
Additional Interior RF System	Information not provided.
Additional Transmitter Costs	<p>Component Description: Additional transmitter costs</p> <p>Amount: \$15,350.00</p>
Transformer 3 phase/480v - 300 KVA	Information not provided.

UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	Component Description:		Transmitter system, installment #3
	Amount:		\$294,580.00
	Component Description:		Transmitter system, installment #2
	Amount:		\$589,160.00
	Component Description:		Transmitter system, installment #1
	Amount:		\$294,580.00
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.		
Transmitter Electrical and Installation	Component Description:		Transmitter electrical service; see also sales tax
	Amount:		\$75,160.00
Lull Rental for Transmitter Installation	Information not provided.		
Additional Transmitter Parts, Elbows, Transformers, and Adapters	Information not provided.		
Switchgear - industrial 800 amp	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		\$108,325.00	
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
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
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

UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, horizontally polarized	\$101,925.00	\$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	\$6,400.00	N/A
Primary Antenna TFU-25ETT /VP-R C150	\$321,800.00	\$231,761.00		\$231,761.00	
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 , 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	\$201,308.00	N/A
Mount Adapter Plate	\$11,670.00	\$11,670.00	See Dielectric change order.	\$11,670.00	N/A

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	\$12,383.00	N/A
Sub-total	\$471,165.00	\$378,786.00	N/A	\$340,086.00	N/A
Total for all systems	\$3,803,156.50	\$3,222,553.00	N/A	\$2,432,881.05	N/A

Components

Actual Information	
Description	File Name
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.

<p>UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, horizontally polarized</p>	<table> <tr> <td data-bbox="727 174 1034 210">Component Description:</td><td data-bbox="1166 174 1374 244">Aux antenna, 10% balance due</td></tr> <tr> <td data-bbox="727 255 836 291">Amount:</td><td data-bbox="1166 255 1299 291">\$10,192.50</td></tr> <tr> <td data-bbox="727 394 1034 430">Component Description:</td><td data-bbox="1166 394 1350 506">Aux antenna, installment #1, line 1 of invoice</td></tr> <tr> <td data-bbox="727 517 836 553">Amount:</td><td data-bbox="1166 517 1299 553">\$45,866.25</td></tr> <tr> <td data-bbox="727 656 1034 692">Component Description:</td><td data-bbox="1166 656 1350 768">Aux antenna, installment #2, line 1 of invoice</td></tr> <tr> <td data-bbox="727 779 836 815">Amount:</td><td data-bbox="1166 779 1299 815">\$45,866.25</td></tr> </table>	Component Description:	Aux antenna, 10% balance due	Amount:	\$10,192.50	Component Description:	Aux antenna, installment #1, line 1 of invoice	Amount:	\$45,866.25	Component Description:	Aux antenna, installment #2, line 1 of invoice	Amount:	\$45,866.25
Component Description:	Aux antenna, 10% balance due												
Amount:	\$10,192.50												
Component Description:	Aux antenna, installment #1, line 1 of invoice												
Amount:	\$45,866.25												
Component Description:	Aux antenna, installment #2, line 1 of invoice												
Amount:	\$45,866.25												
<p>Sweep test of existing antenna</p>	<table> <tr> <td data-bbox="727 943 1034 978">Component Description:</td><td data-bbox="1166 943 1299 978">Sweep test</td></tr> <tr> <td data-bbox="727 990 836 1025">Amount:</td><td data-bbox="1166 990 1286 1025">\$6,400.00</td></tr> </table>	Component Description:	Sweep test	Amount:	\$6,400.00								
Component Description:	Sweep test												
Amount:	\$6,400.00												
<p>Sweep test of existing antenna</p>	<table> <tr> <td data-bbox="727 1155 1034 1191">Component Description:</td><td data-bbox="1166 1155 1299 1191">Sweep test</td></tr> <tr> <td data-bbox="727 1202 836 1238">Amount:</td><td data-bbox="1166 1202 1286 1238">\$6,400.00</td></tr> </table>	Component Description:	Sweep test	Amount:	\$6,400.00								
Component Description:	Sweep test												
Amount:	\$6,400.00												

UHF - High Power Top
Mount (200-1000 kW), One
station antenna , elliptically
or circularly polarized

Component Description:

Main antenna,
balance due

Amount:

\$2,235.00

Component Description:

Main antenna,
installment #3

Amount:

\$17,895.80

Component Description:

Antenna, line 1 of
invoice,
installment #2

Amount:

\$90,588.60

Component Description:

Main antenna,
installment #1,
line 1 of invoice

Amount:

\$90,588.60

Component Description:

Antenna, line 1 of
invoice,
installment #1

Amount:

\$90,588.60

Component Description:

Main antenna,
installment #2,
line 1 of invoice

Amount:

\$90,588.60

Mount Adapter Plate

Component Description: Mount adapter
plate, balance due
Amount: \$1,167.00

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

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

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

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

Elbow complex, single
channel, at antenna input,
per 7 3/16. feedline (if
needed)

Component Description:

Elbow complex,
balance due

Amount:

\$1,238.30

Component Description:

Elbow complex,
line 3 of invoice,
installment #2

Amount:

\$5,572.35

Component Description:

Elbow complex,
line 3 of invoice,
installment #1

Amount:

\$5,572.35

Component Description:

Elbow complex,
installment #2,
line 3 of invoice

Amount:

\$5,572.35

Component Description:

Elbow complex,
installment #1,
line 3 of invoice

Amount:

\$5,572.35

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	\$211,710.00	\$155,673.30		\$155,672.30	
Additional Transmission Line Components	<i>\$9,710.00</i>	\$9,710.00	See Dielectric change orders	\$9,709.00	a
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	\$23,597.50	\$23,597.50		\$7,027.50	
Additional Transmission Line Components	<i>\$10,170.00</i>	\$10,170.00	See Dielectric change orders	N/A	N/A
Trans Test 7-75	<i>\$4,792.50</i>	\$4,792.50	See Dielectric quote 700500CMZ-4.	\$4,792.50	N/A
Transmission line 7-75	<i>\$2,235.00</i>	\$2,235.00	See Dielectric quote 700500CMZ-4.	\$2,235.00	N/A
Sweep Tests	<i>\$6,400.00</i>	\$6,400.00	N/A	N/A	N/A

Sub-total	\$235,307.50	\$179,270.80	N/A	\$162,699.80	N/A
Total for all systems	\$3,803,156.50	\$3,222,553.00	N/A	\$2,432,881.05	N/A

Components

Actual Information	
Description	File Name
Additional Transmission Line Components	Component Description: Additional transmission line costs
	Amount: \$2,604.00
	Component Description: Additional transmission line costs
	Amount: \$7,105.00
Rigid Transmission Line - copper, 6 1/8"	Component Description: Aux transmission line, 10% balance due
	Amount: \$14,596.32
	Component Description: Transmission line, installment #2, line 2 of invoice
	Amount: \$65,683.49
	Component Description: Transmission line, installment #1, line 2 of invoice
	Amount: \$65,683.49

Additional Transmission Line Components	<div> Component Description: Additional transmission line costs </div> <div> Amount: \$6,780.00 </div>
Trans Test 7-75	<div> Component Description: Trans Test 7-75, balance due </div> <div> Amount: \$479.24 </div> <div> Component Description: Trans test, line 5 of invoice, installment #2 </div> <div> Amount: \$2,156.63 </div> <div> Component Description: Trans Test 7-75, installment #2, line 5 of invoice </div> <div> Amount: \$2,156.63 </div> <div> Component Description: Trans Test, line 5 of invoice, installment #1 </div> <div> Amount: \$2,156.63 </div> <div> Component Description: Trans Test 7-75, installment #1, line 5 of invoice </div> <div> Amount: \$2,156.63 </div>

Transmission line 7-75	<div data-bbox="715 174 1362 286"> <p>Component Description: T/L 7-75, balance due</p> <p>Amount: \$223.50</p> </div> <div data-bbox="715 394 1362 546"> <p>Component Description: T/L 7-75, line 4 of invoice, installment #1</p> <p>Amount: \$1,005.75</p> </div> <div data-bbox="715 654 1362 806"> <p>Component Description: T/L 7-75, line 4 of invoice, installment #2</p> <p>Amount: \$1,005.75</p> </div> <div data-bbox="715 913 1362 1066"> <p>Component Description: T/L 7-75, installment #1, line 4 of invoice</p> <p>Amount: \$1,005.75</p> </div> <div data-bbox="715 1173 1362 1326"> <p>Component Description: T/L 7-75, installment #2, line 4 of invoice</p> <p>Amount: \$1,005.75</p> </div>
Sweep Tests	Information not provided.

Cost
Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower GTOWER	\$657,800.00	\$851,308.00		\$451,308.00	
Tall Tower (greater than 500')	\$210,500.00	\$419,100.00	See PCI quotes 18804-5, 18804-5 Addendum and 18805- 5	\$419,100.00	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	\$451,308.00	N/A
Total for all systems	\$3,803,156.50	\$3,222,553.00	N/A	\$2,432,881.05	N/A

Components

Actual Information Description	File Name
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Tall Tower (greater than 500')

Component Description:

Main antenna installation additional costs, installment #1

Amount:

\$52,000.00

Component Description:

Main antenna installation additional costs, installment #2

Amount:

\$25,900.00

Component Description:

Main antenna installation, installment #1

Amount:

\$132,860.00

Component Description:

Main antenna installation, installment #2

Amount:

\$66,440.00

Component Description:

Interim antenna installation, installment #2

Amount:

\$94,600.00

Component Description:

Interim antenna installation, installment #1

Amount:

\$47,300.00

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	<div> <div> Component Description: </div> <div> Structural analysis </div> </div> <div> Amount: </div> <div> \$10,475.00 </div> <div> Component Description: </div> <div> Broadcast Tower Mapping </div> <div> Amount: </div> <div> \$21,733.00 </div>
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		\$36,598.00	
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
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	\$2,500.00	N/A
Project management of the transition	\$43,134.00	\$40,950.00	N/A	\$25,348.00	N/A
Sub-total	\$86,114.00	\$82,700.00	N/A	\$36,598.00	N/A
Total for all systems	\$3,803,156.50	\$3,222,553.00	N/A	\$2,432,881.05	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	<div> <div>Component Description:</div> <div>Amount:</div> <div> Prepare FCC Form 2100, item 4 from invoice summary \$3,000.00 </div> </div>
Perform engineering study for new channel assignment and antenna development	<div> <div>Component Description:</div> <div>Amount:</div> <div> Perform engineering study, item 3 from invoice summary \$5,750.00 </div> </div>
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Prepare and or review reimbursement form	<div> <div>Component Description:</div> <div>Amount:</div> <div> Prepare reimbursement form, item 2 from invoice summary \$2,500.00 </div> </div>
Project management of the transition	

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 for Structural Analysis and Tower Modifications for services from June 30, 2018 through July 27, 2018.
Amount:	\$675.00

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

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

Component Description:	Project management services June 2019
Amount:	\$97.50

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

Component Description:	Project management services 7.27.19 through 8.30.19
Amount:	\$474.00

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 April 2019
Amount:	\$201.50

Component Description:	Project management services
Amount:	\$237.00

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

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

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

Component Description:	Project management services July 2019
Amount:	\$25.00

Component Description:	Project management services Jun 2019
Amount:	\$40.00

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

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

Component Description:	Vendor issued a revised invoice
Amount:	(\$750.00)

Component Description:	Project management services
Amount:	\$4,062.50
Component Description:	Project management services various, item 8 from invoice summary
Amount:	\$5,445.00
Component Description:	Project management services 5.26.18 through 6.29.18
Amount:	\$300.00
Component Description:	Vendor issued a revised invoice
Amount:	(\$12,250.00)
Component Description:	Project management services 9.29.18 through 10.26.18
Amount:	\$375.00
Component Description:	Project management services 2.1.19 through 3.1.19
Amount:	\$1,050.00
Component Description:	Project management services Sep 2018
Amount:	\$150.00

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

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, item 1 from invoice summary
Amount:	\$3,900.00

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

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

Component Description:	Project management services 3.2.19 through 3.29.19
Amount:	\$300.00

Component Description:

Project
management
services 10.27.18
through 12.31.18

Amount:

\$1,350.00

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	\$234,460.00	\$225,858.20		\$166,579.25	
Tower Company Project Management Fee	<i>\$9,480.00</i>	\$9,480.00	See American Tower quote	\$9,480.00	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
Tower Company Coordination	<i>\$5,000.00</i>	\$5,000.00	See American Tower quote	\$5,000.00	N/A
Sales and Use Tax	<i>\$74,000.00</i>	\$74,000.00	Estimated taxes due on equipment and services	\$73,364.60	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	\$30,000.00	\$30,000.00	See Rohde & Schwarz quote 169917.0 and Dielectric invoicing for antenna shipments	\$27,371.45	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$10,000.00	\$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	\$234,460.00	\$225,858.20	N/A	\$166,579.25	N/A
Total for all systems	\$3,803,156.50	\$3,222,553.00	N/A	\$2,432,881.05	N/A

Components

Actual Information	
Description	File Name
Tower Company Project Management Fee	<p>Component Description: Tower company project management fee</p> <p>Amount: \$9,480.00</p>

Tower Space Rental for Interim Antenna	<div data-bbox="702 163 1428 253"> Component Description: Tower Space Rental for Interim Antenna </div> <div data-bbox="702 286 1428 331"> Amount: \$38,400.00 </div>
Tower Company Coordination	<div data-bbox="702 463 1428 553"> Component Description: Tower company coordination with other stations and wireless on tower </div> <div data-bbox="702 586 1428 631"> Amount: \$5,000.00 </div>

Sales and Use Tax	Component Description: Tax on additional transmitter costs Amount: \$844.27
	Component Description: Tax due on tower rent for interim antenna Amount: \$2,112.00
	Component Description: Tax due on transmitter consolidation services Amount: \$1,438.58
	Component Description: Tax due on transmitter electrical services Amount: \$4,133.80
	Component Description: Tax on ATC fees Amount: \$275.00
	Component Description: Tax due on transmitter Amount: \$64,560.95
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	Component Description:	Main antenna shipping costs
	Amount:	\$1,215.45
	Component Description:	Transmitter consolidation services
	Amount:	\$26,156.00
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description:	Disposal costs
	Amount:	\$10,000.00
DTV Medical Facility Notification	Component Description:	Notification of medical facilities
	Amount:	\$2,963.20
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	\$3,803,156.50	\$3,222,553.00
			\$2,432,881.05

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	<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"> 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.

**Elizabeth
Ryder**
*General
Counsel*

06/25/2020

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<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.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Elizabeth Ryder <i>General Counsel</i></p> <p>06/25/2020</p>

Attachments