



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **7841** | Service: **DTV** | Call **KGCW** | Channel: **21 (UHF)** |
ID: | Sign:
File **0000028531**
Number:
FRN: **0009961889** | Date **01/07**
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.	No
Briefly describe transition plan	Replace transmitter and antenna using existing line. Acquire interim antenna and line for continued operation 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**

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 and Type	Manufacturer	
	Model	Visionary
	Year	2005
	Type	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?	No
	Manufacturer	
	Model	HPTV-PRLX- U14
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	22.7 kW
	Justification for New Transmitter	The manufacturer of the existing IOT transmitter is out of business and no factory support is available. The purchase price of a new transmitter is based on a Proposal from Comark for an MSDC IOT 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	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
	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 and Installation

Transmitter Power Conditioner	New Transmitter requires Power Conditioning. Please see Staco Energy Products quote # QUO-18357-3CFVK5-3 Attached
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	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	615.0 kW

Manufacturer	
Model	TFU- 22JSC-R C152
Year	2005

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?	Yes
	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)	1000.0 kW
	Manufacturer	
	Model	TFU-22ETT /VP-R C200

Year	2019
Justification for New Antenna	The existing primary antenna is a single channel slotted coaxial which cannot accommodate the assigned channel. See Engineering statement regarding the relocation to a different transmitter site and the requirement for a top mounted antenna.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel

	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary
Antenna**

Other Antenna Cost Not Listed

Name	Description
Antenna Support Pole	Antenna Support Pole
Wedding Cake Mounting Adapter	Wedding Cake Mounting Adapter
Antenna Input Feed-Through Complex	Antenna Input Feed-Through Complex

**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?	Yes
	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)	615.0 kW
	Manufacturer	
	Model	TBD
	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	4 1/16 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	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 Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1360 feet per run

Primary **New Transmission Line**
Transmission 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?	No
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	985 feet per run
	Justification for New Transmission Line	KGCW is moving to an alternate transmitter site; therefore the existing transmission line cannot be used. See Engineering Technical Statement attached.

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

Information not provided.

**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	4 1/16 inches
	Segment Length	19 ½ '
	Other Segment Length	
	Number of parallel runs	1
	Length	1210 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 Line	Information 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	Leased
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1222627
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	41° 08' 08.0" N-
	Longitude (NAD83)	090° 48' 30.0" W-
	Overall Structure Height	1416.98 feet
	Support Structure Height	1416.98 feet
	Ground Elevation Above Mean Sea Level (AMSL)	631.88 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	American Tower, LLC
Date Constructed	10/01/2008

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
Tower Structural Analysis, Foundation Mapping, Geotechnical Survey and Report	Tower Analysis needed before major modifications can be made.

**Tower Foundation Ground work,
modification, and Ice Bridge
Construction**

Excavation of Tower Foundation, pour
Concrete Pad, remove and replace old Ice
Bridge. Please see Precision
Communications Inc. quote # 19385-5
attached

**Outside
Professional**

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	277
	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
	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)	Yes
	Negotiation of Lease and other Matter for Shared Locations	Yes
	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 Costs

Other Professional Services Expenses Not Listed

Name	Description
Prepare engineering portion of minor modification to CP application	Prepare engineering portion of minor modification to CP application

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	Yes
	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
STL TSL Antenna Transmission Line.	STL / TSL microwave transmission line and Antenna. Please see Primus Electronics Quote # Q032180
Sales Taxes	Sales and use tax on goods and services
Microwave Rental	Microwave Rental During Transition

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 HPTV-PRLX-U14	\$1,319,277.11	\$1,090,772.11		\$740,966.90	
Additional Interior RF System	<i>\$140,000.00</i>	\$140,000.00	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
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$721,945.00	See Hitachi quote P#3981PRLXU14-060519	\$685,847.75	N/A
Transmitter Power Conditioner	<i>\$53,088.81</i>	\$53,088.81	New Transmitter requires Power Conditioning. Please see Staco Energy Products quote # QUO-18357-3CFVK5-3 Attached	N/A	N/A

Transmitter Electrical and Installation	\$110,238.30	\$110,238.30	See Land Communications estimate 1076	\$55,119.15	N/A
Sub-total	\$1,319,277.11	\$1,090,772.11	N/A	\$740,966.90	N/A
Total for all systems	\$3,800,525.55	\$3,383,092.65	N/A	\$1,509,965.08	N/A

Components

Actual Information	
Description	File Name
Additional Interior RF System	Information not provided.
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Transformer 3 phase/480v - 150 KVA	Information not provided.
Switchgear - industrial 800 amp	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	<p>Component Description: Transmitter, installment #1, items 1 & 2 from invoice</p> <p>Amount: \$360,972.50</p> <p>Component Description: Transmitter, installment #2, items 1 & 2 from invoice</p> <p>Amount: \$324,875.25</p>
Transmitter Power Conditioner	Information not provided.

Transmitter Electrical and Installation	<table><tr><td data-bbox="715 174 1029 208">Component Description:</td><td data-bbox="1161 174 1321 324">Transmitter electrical and installation, installment #1</td></tr><tr><td data-bbox="715 336 831 369">Amount:</td><td data-bbox="1161 336 1294 369">\$55,119.15</td></tr></table>	Component Description:	Transmitter electrical and installation, installment #1	Amount:	\$55,119.15
Component Description:	Transmitter electrical and installation, installment #1				
Amount:	\$55,119.15				

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 TBD	\$279,710.00	\$277,500.00		\$0.00	
UHF - High Power, Side Mount, basic slot antenna, 615 kW input, directional,, horizontally polarized	<i>\$235,000.00</i>	\$235,000.00	Used High Power Top Mount for budget because side mount is only rated for 500 kW	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	\$9,570.00	\$9,100.00	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
Primary Antenna TFU-22ETT /VP-R C200	\$472,491.00	\$374,154.00		\$326,478.60	
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
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$193,343.00	See Dielectric quote 900083CMZ-1 less vpol cost	\$174,008.70	N/A

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,710.00	See Dielectric quote 900083CMZ-1	\$9,639.00	N/A
Antenna Input Feed-Through Complex	\$18,656.00	\$18,656.00	See Dielectric quote 900083CMZ-1	\$16,790.40	N/A
Wedding Cake Mounting Adapter	\$30,825.00	\$30,825.00	See Dielectric quote 900083CMZ-1	\$27,742.50	N/A
Antenna Support Pole	\$109,220.00	\$109,220.00	See Dielectric quote 900083CMZ-1	\$98,298.00	N/A
Sub-total	\$752,201.00	\$651,654.00	N/A	\$326,478.60	N/A
Total for all systems	\$3,800,525.55	\$3,383,092.65	N/A	\$1,509,965.08	N/A

Components

Actual Information	
Description	File Name
UHF - High Power, Side Mount, basic slot antenna, 615 kW input, directional,, horizontally polarized	Information not provided.
Sweep test of existing antenna	Information not provided.

Elbow complex, single channel, at antenna input, per 4 1/16. 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.												
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.												
Sweep test of existing antenna	Information not provided.												
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	<table> <tr> <td>Component Description:</td><td>Antenna, installment #2</td></tr> <tr> <td>Amount:</td><td>\$87,004.35</td></tr> <tr> <td>Component Description:</td><td>Antenna, installment #1</td></tr> <tr> <td>Amount:</td><td>\$87,004.35</td></tr> <tr> <td>Component Description:</td><td>Antenna, installment #1</td></tr> <tr> <td>Amount:</td><td>\$87,004.35</td></tr> </table>	Component Description:	Antenna, installment #2	Amount:	\$87,004.35	Component Description:	Antenna, installment #1	Amount:	\$87,004.35	Component Description:	Antenna, installment #1	Amount:	\$87,004.35
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Amount:	\$87,004.35												

<p>Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)</p>	<table> <tr> <td data-bbox="710 87 1093 257"> <p>Component Description:</p> </td><td data-bbox="1093 87 1426 257"> <p>Elbow complex, installment #2</p> </td></tr> <tr> <td data-bbox="710 257 1093 324"> <p>Amount:</p> </td><td data-bbox="1093 257 1426 324"> <p>\$4,819.50</p> </td></tr> <tr> <td data-bbox="710 324 1093 504"> <p>Component Description:</p> </td><td data-bbox="1093 324 1426 504"> <p>Elbow complex, installment #1</p> </td></tr> <tr> <td data-bbox="710 504 1093 571"> <p>Amount:</p> </td><td data-bbox="1093 504 1426 571"> <p>\$4,819.50</p> </td></tr> <tr> <td data-bbox="710 571 1093 750"> <p>Component Description:</p> </td><td data-bbox="1093 571 1426 750"> <p>Elbow complex, installment #1</p> </td></tr> <tr> <td data-bbox="710 750 1093 784"> <p>Amount:</p> </td><td data-bbox="1093 750 1426 784"> <p>\$4,819.50</p> </td></tr> </table>	<p>Component Description:</p>	<p>Elbow complex, installment #2</p>	<p>Amount:</p>	<p>\$4,819.50</p>	<p>Component Description:</p>	<p>Elbow complex, installment #1</p>	<p>Amount:</p>	<p>\$4,819.50</p>	<p>Component Description:</p>	<p>Elbow complex, installment #1</p>	<p>Amount:</p>	<p>\$4,819.50</p>
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<p>Antenna Input Feed-Through Complex</p>	<table> <tr> <td data-bbox="710 784 1093 963"> <p>Component Description:</p> </td><td data-bbox="1093 784 1426 963"> <p>Feed through complex, installment #2</p> </td></tr> <tr> <td data-bbox="710 963 1093 1030"> <p>Amount:</p> </td><td data-bbox="1093 963 1426 1030"> <p>\$8,395.20</p> </td></tr> <tr> <td data-bbox="710 1030 1093 1209"> <p>Component Description:</p> </td><td data-bbox="1093 1030 1426 1209"> <p>Feed through complex, installment #1</p> </td></tr> <tr> <td data-bbox="710 1209 1093 1276"> <p>Amount:</p> </td><td data-bbox="1093 1209 1426 1276"> <p>\$8,395.20</p> </td></tr> <tr> <td data-bbox="710 1276 1093 1456"> <p>Component Description:</p> </td><td data-bbox="1093 1276 1426 1456"> <p>Feed through complex, installment #1</p> </td></tr> <tr> <td data-bbox="710 1456 1093 1523"> <p>Amount:</p> </td><td data-bbox="1093 1456 1426 1523"> <p>\$8,395.20</p> </td></tr> </table>	<p>Component Description:</p>	<p>Feed through complex, installment #2</p>	<p>Amount:</p>	<p>\$8,395.20</p>	<p>Component Description:</p>	<p>Feed through complex, installment #1</p>	<p>Amount:</p>	<p>\$8,395.20</p>	<p>Component Description:</p>	<p>Feed through complex, installment #1</p>	<p>Amount:</p>	<p>\$8,395.20</p>
<p>Component Description:</p>	<p>Feed through complex, installment #2</p>												
<p>Amount:</p>	<p>\$8,395.20</p>												
<p>Component Description:</p>	<p>Feed through complex, installment #1</p>												
<p>Amount:</p>	<p>\$8,395.20</p>												
<p>Component Description:</p>	<p>Feed through complex, installment #1</p>												
<p>Amount:</p>	<p>\$8,395.20</p>												

Wedding Cake Mounting Adapter	<div> Component Description: Wedding cake mounting adapter, installment #1 </div> <div> Amount: \$13,871.25 </div>
	<div> Component Description: Wedding cake mounting adapter, installment #2 </div> <div> Amount: \$13,871.25 </div>
	<div> Component Description: Wedding cake mounting adapter, installment #1 </div> <div> Amount: \$13,871.25 </div>
Antenna Support Pole	<div> Component Description: Antenna support pole, installment #1 </div> <div> Amount: \$49,149.00 </div>
	<div> Component Description: Antenna support pole, installment #2 </div> <div> Amount: \$49,149.00 </div>
	<div> Component Description: Antenna support pole, installment #1 </div> <div> Amount: \$49,149.00 </div>

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	\$171,820.00	\$163,350.00		\$0.00	
Rigid Transmission Line - copper, 4 1/16"	\$171,820.00	\$163,350.00	N/A	N/A	N/A
Primary Transmission Line	\$198,970.00	\$144,510.10		\$130,059.10	
Rigid Transmission Line - copper, 6 1/8"	\$198,970.00	\$144,510.10	See Dielectric quote 900083CMZ-1	\$130,059.10	N/A
Sub-total	\$370,790.00	\$307,860.10	N/A	\$130,059.10	N/A
Total for all systems	\$3,800,525.55	\$3,383,092.65	N/A	\$1,509,965.08	N/A

Components

Actual Information	
Description	File Name
Rigid Transmission Line - copper, 4 1/16"	Information not provided.

Rigid Transmission Line -
copper, 6 1/8"

Component Description:

Transmission line,
installment #2,
lines 6 and 10 of
invoice

Amount:

\$65,029.55

Component Description:

Transmission line,
installment #1

Amount:

\$65,029.55

Component Description:

Transmission line,
installment #1,
lines 6 and 10 of
invoice

Amount:

\$65,029.55

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	\$934,640.00	\$901,840.00		\$205,790.00	
Tower Foundation Ground work, modification, and Ice Bridge Construction	<i>\$248,400.00</i>	\$248,400.00	Excavation of Tower Foundation, pour Concrete Pad, remove and replace old Ice Bridge. Please see Precision Communications Inc. quote # 19385-5 attached	\$165,600.00	N/A
Tower Structural Analysis, Foundation Mapping, Geotechnical Survey and Report	<i>\$28,440.00</i>	\$28,440.00	See proposals Paul J Ford & Co A00018-0122.001 and A00018-0122.003	\$28,440.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	N/A	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	N/A	N/A

Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$25,000.00	N/A	\$11,750.00	N/A
Sub-total	\$934,640.00	\$901,840.00	N/A	\$205,790.00	N/A
Total for all systems	\$3,800,525.55	\$3,383,092.65	N/A	\$1,509,965.08	N/A

Components

Actual Information	
Description	File Name
Tower Foundation Ground work, modification, and Ice Bridge Construction	<p>Component Description: Tower mods and ice shield, installment #1</p> <p>Amount: \$165,600.00</p>
Tower Structural Analysis, Foundation Mapping, Geotechnical Survey and Report	<p>Component Description: Tower modification drawings</p> <p>Amount: \$3,000.00</p> <p>Component Description: Structural analysis, foundation mapping and geotechnical report</p> <p>Amount: \$25,440.00</p>
Tall Tower (greater than 500')	Information not provided.

Major tower reinforcement /modifications	Information not provided.	
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Component Description: Amount:	Tower mapping \$11,750.00

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	\$119,791.00	\$126,300.00		\$59,293.00	
Project management of the transition	\$43,766.00	\$52,500.00	Estimated 350 hours at \$150 per hour	\$41,243.00	N/A
Prepare engineering portion of minor modification to CP application	<i>\$5,000.00</i>	\$5,000.00	See Osborn invoices 31219 and	\$5,000.00	N/A
Additional Field Engineering Service, 17 Days	<i>\$34,000.00</i>	\$34,000.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,050.00	N/A	\$550.00	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A

Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	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 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
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$7,000.00	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
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 request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Sub-total	\$119,791.00	\$126,300.00	N/A	\$59,293.00	N/A
Total for all systems	\$3,800,525.55	\$3,383,092.65	N/A	\$1,509,965.08	N/A

Components

Actual Information	
Description	File Name
Project management of the transition	Component Description:
	Project management services 5.26.18 through 6.29.18
	Amount:
	\$420.00
	Component Description:
	Project management services 1.1.18 through 1.26.18
	Amount:
	\$750.00

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:	\$3,675.00

Component Description:	Project Management for Structural Analysis and Tower Modifications for services from June 30, 2018 through July 27, 2018.
Amount:	\$825.00

Component Description:	Project management services 1.1.18 through 1.26.18
Amount:	\$375.00

Component Description:	Project management services 3.30.19 through 4.26.19
Amount:	\$1,425.00

Component Description:	Project management services 4.27.19 through 5.31.19
Amount:	\$1,800.00

Component Description:	Project management services 9.29.18 through 10.26.18, items 1 and 2 from invoice summary
Amount:	\$525.00

Component Description:	Project management services June 2019
Amount:	\$227.50

Component Description:	Project management services 7.27.19 through 8.30.19
Amount:	\$1,580.00

Component Description:	Project management services
Amount:	\$7,782.50

Component Description:	Project management services 8.31.19 through 9.27.19
Amount:	\$1,106.00

Component Description:	Project management services 6.1.19 through 6.28.19
Amount:	\$375.00

Component Description:	Project management services 12.1.18 through 1.31.19
Amount:	\$1,325.00

Component Description:	Project management services February 2019
Amount:	\$123.50

Component Description:	Project management services April 2019
Amount:	\$45.50

Component Description:	Prepare FCC Schedule 387, item 6 from invoice summary
Amount:	\$150.00

Component Description:	Project management services 2.1.19 through 3.1.19
Amount:	\$450.00

Component Description:	Project management services, item 7 from invoice summary
Amount:	\$5,758.00

Component Description:	Project management services 10.27.18 through 11.30.18
Amount:	\$4,150.00

Component Description:	Project management services 3.2.19 through 3.29.19
Amount:	\$75.00

Component Description:	Vendor has issued a revised invoice; see 29362R
Amount:	(\$1,000.00)

Component Description:	Vendor has issued a revised invoice; see 29362R
Amount:	\$1,000.00

Component Description:	Project management services, item 1 from invoice summary
Amount:	\$7,350.00

Component Description:	Prepare FCC Schedule 387, item 5 from invoice summary
Amount:	\$300.00

Component Description:	Project management services 7.28.18 through 9.28.18
Amount:	\$650.00

<p>Prepare engineering portion of minor modification to CP application</p>	<table> <tr> <td data-bbox="708 188 1015 226">Component Description:</td><td data-bbox="1150 188 1374 501">Amendment application provides community of license compliance exhibits and Longley-Rice verification</td></tr> <tr> <td data-bbox="708 510 815 548">Amount:</td><td data-bbox="1150 510 1267 548">\$2,500.00</td></tr> <tr> <td data-bbox="708 649 1015 687">Component Description:</td><td data-bbox="1150 649 1374 882">Prepare engineering portion of minor modification of CP permit to change antenna models</td></tr> <tr> <td data-bbox="708 891 815 929">Amount:</td><td data-bbox="1150 891 1267 929">\$2,500.00</td></tr> </table>	Component Description:	Amendment application provides community of license compliance exhibits and Longley-Rice verification	Amount:	\$2,500.00	Component Description:	Prepare engineering portion of minor modification of CP permit to change antenna models	Amount:	\$2,500.00
Component Description:	Amendment application provides community of license compliance exhibits and Longley-Rice verification								
Amount:	\$2,500.00								
Component Description:	Prepare engineering portion of minor modification of CP permit to change antenna models								
Amount:	\$2,500.00								
<p>Additional Field Engineering Service, 17 Days</p>	<p>Information not provided.</p>								
<p>FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase</p>	<table> <tr> <td data-bbox="708 1216 1015 1254">Component Description:</td><td data-bbox="1150 1216 1374 1364">Prepare and submit FAA filing, item 9 from invoice summary</td></tr> <tr> <td data-bbox="708 1373 815 1411">Amount:</td><td data-bbox="1150 1373 1246 1411">\$550.00</td></tr> </table>	Component Description:	Prepare and submit FAA filing, item 9 from invoice summary	Amount:	\$550.00				
Component Description:	Prepare and submit FAA filing, item 9 from invoice summary								
Amount:	\$550.00								
<p>Attorney Fees - Prepare and File request for Special Temporary Authorization</p>	<p>Information not provided.</p>								
<p>Attorney Fees - Negotiation of lease and other matters for shared locations</p>	<p>Information not provided.</p>								
<p>Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application</p>	<p>Information not provided.</p>								

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Prepare and or review reimbursement form	Component Description:	Prepare reimbursement form, item 2 from invoice summary
	Amount:	\$2,500.00
	Component Description:	Vendor has issued a revised invoice; see 29362R
	Amount:	\$2,500.00
	Component Description:	Vendor has issued a revised invoice; see 29362R
	Amount:	(\$2,500.00)
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Perform engineering study for new channel assignment and antenna development	Component Description:	Vendor has issued a revised invoice; see 29362R
	Amount:	\$7,000.00
	Component Description:	Vendor has issued a revised invoice; see 29362R
	Amount:	(\$7,000.00)
	Component Description:	Perform engineering study, item 3 from invoice summary
	Amount:	\$7,000.00

<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="702 174 1015 210">Component Description:</td><td data-bbox="1147 174 1378 365">Prepare engineering section of FCC Form 2100, item 4 from invoice summary</td></tr> <tr> <td data-bbox="702 376 815 412">Amount:</td><td data-bbox="1147 376 1267 412">\$3,000.00</td></tr> <tr> <td data-bbox="702 517 1015 553">Component Description:</td><td data-bbox="1147 517 1369 624">Vendor has issued a revised invoice; see 29362R</td></tr> <tr> <td data-bbox="702 636 815 672">Amount:</td><td data-bbox="1147 636 1283 672">(\$3,000.00)</td></tr> <tr> <td data-bbox="702 777 1015 813">Component Description:</td><td data-bbox="1147 777 1369 884">Vendor has issued a revised invoice; see 29362R</td></tr> <tr> <td data-bbox="702 896 815 931">Amount:</td><td data-bbox="1147 896 1267 931">\$3,000.00</td></tr> </table>	Component Description:	Prepare engineering section of FCC Form 2100, item 4 from invoice summary	Amount:	\$3,000.00	Component Description:	Vendor has issued a revised invoice; see 29362R	Amount:	(\$3,000.00)	Component Description:	Vendor has issued a revised invoice; see 29362R	Amount:	\$3,000.00
Component Description:	Prepare engineering section of FCC Form 2100, item 4 from invoice summary												
Amount:	\$3,000.00												
Component Description:	Vendor has issued a revised invoice; see 29362R												
Amount:	(\$3,000.00)												
Component Description:	Vendor has issued a revised invoice; see 29362R												
Amount:	\$3,000.00												
<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<p>Information not provided.</p>												
<p>Prepare request for Special Temporary Authorization</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	\$303,826.44	\$304,666.44		\$47,377.48	
Microwave Rental	<i>\$3,895.00</i>	\$3,895.00	Microwave rental during transition	N/A	N/A
Sales Taxes	<i>\$165,800.00</i>	\$165,800.00	N/A	\$42,865.48	N/A
STL TSL Antenna Transmission Line.	<i>\$15,971.44</i>	\$15,971.44	N/A	N/A	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	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$2,012.00	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$2,500.00	Time involved for Modification /Amendment of Post-Transition Construction Permit Application	\$2,500.00	N/A
Non-zoning permits	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Equipment Storage	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Sub-total	\$303,826.44	\$304,666.44	N/A	\$47,377.48	N/A
Total for all systems	\$3,800,525.55	\$3,383,092.65	N/A	\$1,509,965.08	N/A

Components

Actual Information Description	File Name
Microwave Rental	Information not provided.
Sales Taxes	<div> Component Description: Tax on transmitter, installment #1 Amount: \$22,560.78 </div> <div> Component Description: Tax on transmitter, installment #2 Amount: \$20,304.70 </div>
STL TSL Antenna Transmission Line.	Information not provided.
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.

DTV Medical Facility Notification	<p>Component Description:</p> <p>Amount:</p>	<p>Notification of medical facilities</p> <p>\$2,012.00</p>
FCC Filing Fees - Form 2100 minor change CP application	<p>Component Description:</p> <p>Amount:</p>	<p>Prepare Engineering Portion, item 8 from invoice summary</p> <p>\$2,500.00</p>
Non-zoning permits	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
Equipment Delivery and Handling Charges	Information not provided.	
Equipment Storage	Information not provided.	

**Cost
Information**

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,800,525.55	\$3,383,092.65	\$1,509,965.08

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*

01/07/2020

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>01/07/2020</p>

Attachments