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

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **23341** | Service: **DTV** | Call Sign: **WTAJ-TV** | Channel: **24 (UHF)**

File Number: **0000028759**

FRN: **0009961889** | Date Submitted: **10/18/2019**

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 *General Counsel* *Nexstar Broadcasting, Inc.*	Elizabeth Ryder 545 E. John Carpenter Freeway Suite 700 Irving, TX 75062 United States	+1 (972) 373-8800	eryder@nexstar.tv

Broadcaster Information and Transition Plan

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	Purchase new transmitter, antenna and line. Map and analyze tower; design and implement modifications if required. See attached

Transmitters

Section	Question	Response
Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

Auxiliary Transmitter

Add Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Auxiliary
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	TTUF1000FT
	Year	2003
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	0.4 kW

Auxiliary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	TMU9evo-1
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	0.4 kW
	Justification for New Transmitter	Manufacturer is out of business.

Auxiliary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	100.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No

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

Auxiliary Transmitter

Other Transmitter Cost Not Listed

Information not provided.

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	Visionary HP30SDW
	Year	2007
	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?	Yes
	Manufacturer	
	Model	THU9EVO-30
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	46 kW
	Justification for New Transmitter	The manufacturer of the existing transmitter is out of business and no factory support is available for the existing transmitter. A new Comark Paragon MSDC IOT transmitter is the basis for a replacement as suggested by the FCC. Final is R&S THU9evo-30.

Primary Transmitter

Other Transmitter Costs

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

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Additional Interior RF System	Additional Interior RF System

Concrete Pad and Ice Shield	concrete pad for heat exchangers, pumps, and ice bridge to the tower.

Antennas

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

Auxiliary Antenna

Add Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	Auxiliary
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this antenna currently shared with any other stations?	No
	Is this antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	3.33 kW

Manufacturer	
Model	SL-8
Year	2002

Auxiliary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Auxiliary (Backup)
	Description of Use	Auxiliary
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	3.33 kW
	Manufacturer	
	Model	TBD

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

Auxiliary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	3 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes

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

Auxiliary Antenna

Other Antenna Cost Not Listed

Information not provided.

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	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)	883.0 kW

Manufacturer	
Model	ATL32H3-H50-32
Year	2007

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	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)	499.0 kW
	Manufacturer	
	Model	TFU-30GTH /VP-R 04

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

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	

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

Primary Antenna

Other Antenna Cost Not Listed

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

Transmission Line

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

Auxiliary Transmission Line

Add Transmission Line

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

Auxiliary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Sweep Tests	Sweep line to confirm operation on assigned channel

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 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	185 feet per run

Primary Transmission Line

New 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?	Yes
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	210 feet per run
	Justification for New Transmission Line	New line to feed the new top mounted antenna

Primary Transmission Line

Other Transmission Line Expenses Not Listed

No 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	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1026694
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	40° 34' 01.0" N-
	Longitude (NAD83)	078° 26' 29.0" W-
	Overall Structure Height	269.68 feet
	Support Structure Height	202.10 feet
	Ground Elevation Above Mean Sea Level (AMSL)	2552.79 feet

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

Primary Tower

Tower Modification Costs

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

Primary Tower

Tower Rigging Costs

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

Primary Tower

Other Tower Expenses Not Listed

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

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	750
	Explanation	Schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399. Station does not have available personnel or personnel trained in project management for such complex projects. Internal accounting and Project management.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes

	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	No

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

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Services not provided.

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	No
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	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

Information not provided.

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter THU9EVO-30	**$1,714,550.00**	**$844,500.00**		**$818,641.53**	
Additional Interior RF System	***$140,000.00***	$140,000.00	N/A	$140,000.00	N/A
Concrete Pad and Ice Shield	***$32,600.00***	$32,600.00	See MultiComm and Lechner proposals	$30,691.53	N/A
3" Rigid Conduit and Wiring (Cost per foot)	$5,200.00	$4,900.00	N/A	N/A	N/A
Transformer 3 phase /480v - 150 KVA	$25,550.00	$24,300.00	N/A	$24,300.00	N/A
Switchgear - industrial 800 amp	$38,200.00	$36,300.00	N/A	$17,250.00	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	$1,473,000.00	$606,400.00	Total cost $918,005 less ($311,605) upgrade cost which is not reimbursable; see Rohde & Schwarz quote 133282.3	$606,400.00	N/A

Auxiliary Transmitter TMU9evo-1	**$71,500.00**	**$43,200.00**		**$0.00**	
UHF - Air Cooled Solid State Transmitter 0.4 kW	***$30,700.00***	$30,700.00	See Rohde & Schwarz quote 235730.1	$0.00	N/A
Switchgear - industrial 800 amp	$38,200.00	$10,000.00	N/A	N/A	N/A
2" Rigid Conduit and Wiring (Cost per foot)	$2,600.00	$2,500.00	N/A	N/A	N/A
Sub-total	$1,786,050.00	$887,700.00	N/A	$818,641.53	N/A
Total for all systems	$3,078,407.00	$2,204,527.10	N/A	$1,348,266.13	N/A

Components

Actual Information Description	File Name	
Additional Interior RF System	**Component Description:**	Transmitter installation and electrical services, installment #1
	Amount:	$70,000.00
	Component Description:	Transmitter installation and electrical services, installment #2
	Amount:	$70,000.00

Concrete Pad and Ice Shield	**Component Description:** **Amount:**	Installation of ice shielding from transmitter building to the tower - 75% installment payment $20,077.52
	Component Description: **Amount:**	Additional work done on ice shield $2,014.00
	Component Description: **Amount:**	Concrete pad, installment #1 $1,907.50
	Component Description: **Amount:**	Concrete pad, installment #2 $1,907.50
	Component Description: **Amount:**	Installation of ice shielding from transmitter building to the tower - 25% installment payment $6,692.51
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

Transformer 3 phase/480v - 150 KVA	**Component Description:**	Transmitter installation and electrical services, installment #1
	Amount:	$12,150.00
	Component Description:	Transmitter installation and electrical services, installment #2
	Amount:	$12,150.00
Switchgear - industrial 800 amp	**Component Description:**	Transmitter installation and electrical services, installment #1
	Amount:	$8,625.00
	Component Description:	Transmitter installation and electrical services, installment #2
	Amount:	$8,625.00

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	**Component Description:** **Amount:**	Transmitter, installment #2, less upgrade cost $394,160.00
	Component Description: **Amount:**	Transmitter, installment #3, less upgrade cost $60,640.00
	Component Description: **Amount:**	Transmitter, installment #1, less cost of upgrade $151,600.00
UHF - Air Cooled Solid State Transmitter 0.4 kW	**Component Description:** **Amount:**	Auxiliary transmitter, installment #1 $7,675.00
Switchgear - industrial 800 amp	Information not provided.	
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna TFU-30GTH /VP-R 04	**$267,530.00**	**$224,106.00**		**$200,985.40**	
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$6,400.00	N/A
Strobe Light Parts for Antenna	***$1,500.00***	$1,500.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	$12,300.00	$10,298.00	Cost reduced from $11,700 to $10,298 per Dielectric quote DMS134-5	$9,268.20	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	$247,000.00	$205,908.00	Cost reduced from $235,000 to $205,908 per Dielectric quote DMS134-5 antenna cost $236,658 less vpol ($30,750) which is not reimbursable	$185,317.20	N/A

Auxiliary Antenna TBD	**$127,740.00**	**$125,800.00**		**$0.00**	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	$5,260.00	$5,000.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	$23,150.00	$22,000.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	$7,600.00	$7,400.00	N/A	N/A	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	N/A	N/A
UHF - High Power, Side Mount, basic slot antenna, 3 kW input, directional,, horizontally polarized	***$85,000.00***	$85,000.00	N/A	N/A	N/A

Sub-total	$395,270.00	$349,906.00	N/A	$200,985.40	N/A
Total for all systems	$3,078,407.00	$2,204,527.10	N/A	$1,348,266.13	N/A

Components

Actual Information Description	File Name	
Sweep test of existing antenna	**Component Description:** **Amount:**	Sweep test $6,400.00
Strobe Light Parts for Antenna	Information not provided.	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	**Component Description:** **Amount:** **Component Description:** **Amount:**	Elbow complex, installment #2, line 3 of invoice $4,634.10 Elbow complex, installment #1, line 3 of invoice $4,634.10
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	**Component Description:** **Amount:** **Component Description:** **Amount:**	Main antenna, installment #1, line 1 of invoice $92,658.60 Main antenna, installment #2, line 1 of invoice $92,658.60

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

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	**$42,420.00**	**$55,064.10**		**$49,557.70**	
Rigid Transmission Line - copper, 6 1/8"	$42,420.00	$55,064.10	Cost per Dielectric quote DMS134-5	$49,557.70	N/A
Auxiliary Transmission Line	**$6,400.00**	**$6,400.00**		**$0.00**	
Sweep Tests	***$6,400.00***	$6,400.00	N/A	N/A	N/A
Sub-total	$48,820.00	$61,464.10	N/A	$49,557.70	N/A
Total for all systems	$3,078,407.00	$2,204,527.10	N/A	$1,348,266.13	N/A

Components

Actual Information Description	File Name
Rigid Transmission Line - copper, 6 1/8"	**Component Description:** Transmission line, installment #1, line 4 of invoice **Amount:** $24,778.85 **Component Description:** Transmission line, installment #2, line 4 of invoice **Amount:** $24,778.85
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 C Justifica
Primary Tower TOWER	**$553,507.00**	**$619,207.00**		**$196,600.00**	
Short Tower (less than 500')	$84,200.00	$172,200.00	Proposal from Precision Communications # 19360-5 for Antenna and transmission line work was more than expected.	$172,200.00	N/A
Modifications to accommodate New Primary Antenna	***$22,007.00***	$22,007.00	See PCI Addendum to Proposal 19360-5	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	$24,400.00	N/A
Sub-total	$553,507.00	$619,207.00	N/A	$196,600.00	N/A
Total for all systems	$3,078,407.00	$2,204,527.10	N/A	$1,348,266.13	N/A

Components

Actual Information Description	File Name	
Short Tower (less than 500')	**Component Description:** **Amount:**	Main antenna installation, installment #1 $114,800.00
	Component Description: **Amount:**	Main antenna installation, installment #2 $57,400.00
Modifications to accommodate New Primary Antenna	**Component Description:** **Amount:**	Main antenna installation weather days and added costs $22,007.00
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:**	Structural analysis, balance due $5,461.25
	Component Description: **Amount:**	Structural analysis $14,050.00
	Component Description: **Amount:**	Structural analysis services, installment #1 $2,888.75
	Component Description: **Amount:**	Structural analysis $2,000.00

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	**$183,210.00**	**$175,250.00**		**$52,041.50**	
Project management of the transition	$118,500.00	$112,500.00	750 hours budgeted	$52,041.50	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 - 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 request for Special Temporary Authorization	$2,050.00	$1,500.00	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	N/A	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,000.00	N/A	N/A	N/A
Prepare and or review reimbursement form	$2,630.00	$2,500.00	N/A	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	$2,630.00	$2,500.00	N/A	N/A	N/A
Additional Field Engineering Service, 17 Days	***$34,000.00***	$34,000.00	N/A	N/A	N/A
Sub-total	$183,210.00	$175,250.00	N/A	$52,041.50	N/A
Total for all systems	$3,078,407.00	$2,204,527.10	N/A	$1,348,266.13	N/A

Components

Actual Information Description	File Name
Project management of the transition	**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:** $1,500.00 **Component Description:** Project Management for Structural Analysis and Tower Modifications period 1/1/18 to 1 /26/18 **Amount:** $1,875.00 **Component Description:** Project management services 7.28.18 through 9.28.18 **Amount:** $6,345.00 **Component Description:** Project management services 10.27.18 through 11.30.18 **Amount:** $1,350.00

Component Description:	Project management services Sep 2018
Amount:	$225.00
Component Description:	Project management services 6.29.19 through 7.26.19
Amount:	$782.00
Component Description:	Project management services 4.27.19 through 5.31.19
Amount:	$600.00
Component Description:	Project management services April 2019
Amount:	$123.50
Component Description:	Project management services 3.2.19 through 3.29.19
Amount:	$375.00
Component Description:	Project management services 6.1.19 through 6.28.19
Amount:	$600.00
Component Description:	399 submit invoices March 2019
Amount:	$338.00

Component Description:	Project management services 3.30.19 to 4.26.19
Amount:	$750.00
Component Description:	Project management services 2.1.19 through 3.1.19
Amount:	$3,550.00
Component Description:	Project Management for Structural Analysis and Tower Modifications for services from June 30, 2018 through July 27, 2018.
Amount:	$1,800.00
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:	$13,500.00

Component Description:	Project Management for Structural Analysis and Tower Modifications period 10/27/17 to 12/31/17
Amount:	$3,975.00
Component Description:	Project management services 5.26.18 through 6.29.18
Amount:	$5,190.00
Component Description:	Project management services Jan 2019
Amount:	$125.00
Component Description:	Project management services
Amount:	$6,763.00
Component Description:	Project management services Oct 2018
Amount:	$50.00
Component Description:	Project management services 9.29.18 through 10.26.18
Amount:	$1,200.00
Component Description:	Project management services Nov 2018
Amount:	$50.00

	Component Description: **Amount:**	Project management services 12.1.18 through 1.31.19 $975.00
Attorney Fees - Prepare and File request for Special Temporary Authorization	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 request for Special Temporary Authorization	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	Information not provided.	
Perform engineering study for new channel assignment and antenna development	Information not provided.	
Prepare and or review reimbursement form	Information not provided.	
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Additional Field Engineering Service, 17 Days	Information not provided.	

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	**$111,550.00**	**$111,000.00**		**$30,440.00**	
MVPD Notification of Channel Change	***$2,000.00***	$2,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	***$3,500.00***	$3,500.00	N/A	N/A	N/A
Equipment Storage	***$16,000.00***	$16,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	***$25,000.00***	$25,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	***$28,500.00***	$28,500.00	Total per quote from USA Commercial Estimate EST-5 rev attached.	$28,500.00	N/A
Non-zoning permits	***$25,000.00***	$25,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	$11,550.00	$11,000.00	N/A	$1,940.00	N/A
Sub-total	$111,550.00	$111,000.00	N/A	$30,440.00	N/A
Total for all systems	$3,078,407.00	$2,204,527.10	N/A	$1,348,266.13	N/A

Components

Actual Information Description	File Name
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	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	**Component Description:** Removal services **Amount:** $28,500.00
Non-zoning permits	Information not provided.
DTV Medical Facility Notification	**Component Description:** Notification of medical facilities **Amount:** $1,940.00

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$3,078,407.00	$2,204,527.10	$1,348,266.13

Reimbursement Status

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

Certification

Section	Question	Response
Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
	1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.	

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

	8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**Elizabeth Ryder** *General Counsel* 10/18/2019

Certification

Section	Question	Response
Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
	1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station’s facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

	8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**Elizabeth Ryder** *General Counsel* 10/18/2019

Attachments