

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 25682 Service: DTV Call WGGB-TV Channel: 26 (UHF)

ID: Sign:

0000027910

Number:

File

FRN: **0018223693** Date **03/26**

Submitted: /2019

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
MEREDITH CORPORATION Doing Business As: MEREDITH CORPORATION	Joshua Pila 1716 LOCUST STREET DES MOINES, IA 50309 United States	+1 (515) 284- 3000	RegAffairs@meredith.com	Corporation

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
The Preparer is same as the reimbursement contact.			

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	The WGGB repack plan consists of the replacement of main transmitter, addition of a transitional antenna, and new main antenna. It also includes all the analysis, engineering evaluation, electrical systems, tower work and fees.

Transmitters

rs	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	Quantum QX D1
	Year	2002
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	9.23 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	Parallax HPTV- PRLX-U7 11kW
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	11 kW
	Justification for New Transmitter	The current transmitter is no longer supported and unable to be retuned. A solid state replacement is being proposed and includes enough TPO to support an elliptical antenna.

Primary Transmitter

Other Transmitter Costs

Question	Response
	Question

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

Antennas

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

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?	Yes
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	460.0 kW

Manufacturer	
Model	ATW25H3- DTC/P-40
Year	2002

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?	Yes
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	460.0 kW
	Manufacturer	

Model	TFU-20ETT /VP-R S210
Year	2017
Justification for New Antenna	Old antenna is unable to be retuned forcing a antenna replacement. The new proposed antenna has is an elliptical versus the current antenna is horizontal only

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches

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

Other Antenna Cost Not Listed

Information not provided.

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?	Yes
New Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Broadband Panel
	Number of Stations Supported	1
	Number of Panels/Bays	8
	Lower Limit	460.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	250.0 kW
	Manufacturer	
	Model	TFU-8WB- R C160
	Year	2017

Justification for New Antenna	A interim
	antenna is
	required to
	complete
	testing and
	allow
	channel
	move.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	No
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

Interim Antenna

Other Antenna Cost Not Listed

Information not provided.

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

Primary Transmission

Existing Transmission Line

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	Andrew
	Туре	Flexible Ai
	Diameter	5 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	175 feet per run

Primary

Other Transmission Line Expenses Not Listed

Transmission	n _{daine}	Description	
	Antenna switch	A feedline switch is required to support switching between main and Interim during tranistion	

Interim	New Transmission Line			
Transmissio	n Line Section	Question	Response	
	New Transmission Line	Use	Interim	
	Costs	Description of Use	N/A	
		Change Type	Purchase New	
		Туре	Flexible Air	
		Diameter	3 inches	
		Segment Length	N/A	
		Other Segment Length		
		Number of parallel runs	1	
		Length	150 feet per run	
		Justification for New Transmission Line	The line is to support the interim antenna for the main antenna replacement	

Other Transmission Line Expenses Not Listed Interim

Transmission loine tion not provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower	Type of change	Modify Existing
Description	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	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1018460
Coordinates (NAD83 (North American Datum	Latitude (NAD83)	42° 14' 30.0" N-
of 1983))	Longitude (NAD83)	072° 38' 55.0" W-
	Overall Structure Height	195.54 feet
	Support Structure Height	149.93 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1200.12 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	SBA Infrastructures, LLC
Date Constructed	09/01/1987

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

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	10
	Explanation	Due to small staff sizes and nature of changes a small amount of project management is required to review technical facility plan
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	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	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 Yes For Main Facility Yes Prepare and file Form FCC License to Cover Application For Auxiliary Facility Yes For Main Facility Yes Prepare request for Special Temporary Authority Quantity 1 NEPA Section 106 environmental review Environmental Assessment Yes ASR Modification No FAA Consultation (including preparation of FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers Comprehensive coverage verification via field study RF exposure measurements Yes Additional Field Engineering Service No Number of Days Justification N/A			
Prepare and file Form FCC License to Cover Application For Auxillary Facility For Main Facility Yes For Main Facility Yes Prepare request for Special Temporary Authority Quantity 1 NEPA Section 106 environmental review Yes Environmental Assessment Yes ASR Modification No FAA Consultation (including preparation of FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers RF Field Engineering Services RF exposure measurements Yes Additional Field Engineering Service No Number of Days N/A		For Auxiliary Facility	Yes
Cover Application For Auxiliary Facility For Main Facility Yes For Main Facility Prepare request for Special Temporary Authority Quantity 1 NEPA Section 106 environmental review Yes Environmental Assessment Yes ASR Modification No FAA Consultation (including preparation of FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers RF Field Engineering Services Comprehensive coverage verification via field study RF exposure measurements Yes Additional Field Engineering Service No Number of Days N/A		For Main Facility	Yes
For Main Facility Prepare request for Special Temporary Authority Quantity 1 NEPA Section 106 environmental review Yes Environmental Assessment Yes ASR Modification No FAA Consultation (including preparation of FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers RF Field Engineering Services RF exposure measurements Yes Additional Field Engineering Service No Number of Days			Yes
Prepare request for Special Temporary Authority Quantity 1 NEPA Section 106 environmental review Yes Environmental Assessment Yes ASR Modification No FAA Consultation (including preparation of FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers RF Field Engineering Services Comprehensive coverage verification via field study RF exposure measurements Yes Additional Field Engineering Service No Number of Days		For Auxiliary Facility	Yes
Authority Quantity 1 NEPA Section 106 environmental review Environmental Assessment ASR Modification FAA Consultation (including preparation of FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers RF Field Engineering Services Comprehensive coverage verification via field study RF exposure measurements Additional Field Engineering Service No Number of Days N/A		For Main Facility	Yes
NEPA Section 106 environmental review Environmental Assessment ASR Modification No FAA Consultation (including preparation of FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers Comprehensive coverage verification via field study RF exposure measurements Yes Additional Field Engineering Service No Number of Days N/A			Yes
Environmental Assessment ASR Modification No FAA Consultation (including preparation of FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers Comprehensive coverage verification via field study RF exposure measurements Yes Additional Field Engineering Service No Number of Days No		Quantity	1
ASR Modification No FAA Consultation (including preparation of FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers RF Field Engineering Services Comprehensive coverage verification via field study RF exposure measurements Yes Additional Field Engineering Service No Number of Days No		NEPA Section 106 environmental review	Yes
FAA Consultation (including preparation of FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers RF Field Engineering Services Comprehensive coverage verification via field study RF exposure measurements Yes Additional Field Engineering Service No Number of Days No		Environmental Assessment	Yes
FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers RF Field Engineering Services Comprehensive coverage verification via field study RF exposure measurements Yes Additional Field Engineering Service No Number of Days N/A		ASR Modification	No
Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers Comprehensive coverage verification via field study RF exposure measurements Yes Additional Field Engineering Service No Number of Days N/A			No
Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers Comprehensive coverage verification via field study RF exposure measurements Additional Field Engineering Service No Number of Days N/A			Yes
issues w/ other stations and wireless providers RF Field Engineering Comprehensive coverage verification via field study RF exposure measurements Yes Additional Field Engineering Service No Number of Days N/A			Yes
Field study RF exposure measurements Additional Field Engineering Service No Number of Days N/A		issues w/ other stations and wireless	Yes
Additional Field Engineering Service No Number of Days N/A		_	Yes
Number of Days N/A		RF exposure measurements	Yes
		Additional Field Engineering Service	No
Justification N/A		Number of Days	N/A
		Justification	N/A

Outside

Other Professional Services Expenses Not Listed

Professional Services Costs Description

Transmitter Site review	There is a requirement for transmitter site
	planning

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	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?	No
	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 Not Listed

Expenses 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 Parallax HPTV- PRLX-U7 11kW	\$545,500.00	\$441,261.00		\$349,534.00	
Other Electrical Service: Costs for onsite electrical work to install transmitter and heat exchanger	\$12,800.00	\$12,800.00	Added costs to install transmitter	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$392,161.00	N/A	\$349,534.00	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Sub-total	\$545,500.00	\$441,261.00	N/A	\$349,534.00	N/A
Total for all systems	\$1,892,725.00	\$1,498,851.74	N/A	\$610,928.26	N/A

Components

Actual Information		
Description	File Name	

Other Electrical Service: Costs for onsite electrical work to install transmitter and heat exchanger	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	Component Description:	Invoice covers 100 percent of transmitter, installation and
	Amount:	delivery costs \$349,534.00
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 Interim Antenna TFU-8WB- R C160	Predetermined Cost Estimate \$256,130.00	Estimated Cost \$66,300.00	Estimated Cost Justification	Actual Cost \$47,412.50	Actual Cost Justification
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$0.00	N/A	N/A	N/A
UHF – Broadband Panel, Side Mount Auxiliary /Interim, 250 horizontally polarized	\$59,900.00	\$59,900.00	N/A	\$41,652.50	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A
Primary Antenna TFU-20ETT /VP-R S210	\$308,530.00	\$218,561.00		\$180,504.50	

UHF - High Power Top Mount (200-1000 kW), One station antenna, elliptically or circularly polarized	\$289,500.00	\$201,863.00	N/A	\$165,476.30	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,298.00	N/A	\$9,268.20	N/A
Sub-total	\$564,660.00	\$284,861.00	N/A	\$227,917.00	N/A
Total for all systems	\$1,892,725.00	\$1,498,851.74	N/A	\$610,928.26	N/A

Components

Actual Information Description	File Name
UHF - Lower Power Side Mount, One station - 200- 500 kW, horizontally polarized	Information not provided.

JHF – Broadband Panel, Side Mount Auxiliary/Interim,	Component Description:	45 percent of
250 horizontally polarized	Compension Decompasion	payment with
		shipping Antenna
		20216.25
		shipping 610.20
	Amount:	\$20,826.25
	Component Description:	45 percent of
		payment with
		shipping Antenna
		20216.25
		shipping 610.20
	Amount:	\$20,826.25
Sweep test of existing		
antenna	Component Description:	45 percent of
		repack sweep
	Amount:	\$2,880.00
	Component Description:	45 percent of
		repack sweep
	Amount:	\$2,880.00
UHF - High Power Top		
Mount (200-1000 kW), One	Component Description:	80 percent invoice
station antenna, elliptically	Component Description.	for main WGGB
or circularly polarized		antenna
	Amount:	\$147,090.00
		ų,ssoiss
	Component Description:	10 percent of
	- Jampononi Dogoriptioni	antenna (down
		Payment)
		i ayincin i

Sweep test of existing antenna	Component Description:	80 percent of repack sweep
	Amount:	\$5,120.00
	Component Description:	10 percent of
	Amount:	repack sweep \$640.00
Elbow complex, single		
channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description:	10 percent of repack elbow
	Amount:	complex \$1,029.80
	Component Description:	80 percent of
	Component Description.	elbow complex for main WGGB
	Amount:	antenna \$8,238.40

Cost Information

Transmission Line

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

Description Interim Transmission Line	Predetermined Cost Estimate \$8,850.00	Estimated Cost \$15,534.74	Estimated Cost Justification	Actual Cost \$13,981.26	Actual Cost Justification
Flexible Air Transmission Line - dielectric, 3"	\$8,850.00	\$15,534.74	Line required longer and more parts than planned	\$13,981.26	Installation of line required longer and more parts than expected
Primary Transmission Line	\$36,100.00	\$36,100.00		\$0.00	
Antenna switch	\$36,100.00	\$36,100.00	The antenna switch is required to switch between main and Interim antenna	N/A	N/A
Sub-total	\$44,950.00	\$51,634.74	N/A	\$13,981.26	N/A
Total for all systems	\$1,892,725.00	\$1,498,851.74	N/A	\$610,928.26	N/A

Components

Actual Information	
Description	File Name

Flexible Air Transmission		
Line - dielectric, 3"	Component Description:	45 percent of feed
		line costs
	Amount:	\$6,990.63
	Component Description:	45 percent of
		flexible
		transmission line
	Amount:	\$6,990.63
Antenna switch	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 TOWER	\$531,500.00	\$530,070.00		\$0.00	
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	N/A	N/A
Short Tower (less than 500')	\$84,200.00	\$124,070.00	This covers the antenna installation costs for both the main antennas and feedline.	N/A	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$6,000.00	N/A	N/A	N/A
Sub-total	\$531,500.00	\$530,070.00	N/A	\$0.00	N/A
Total for all systems	\$1,892,725.00	\$1,498,851.74	N/A	\$610,928.26	N/A

Components

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	\$181,775.00	\$173,045.00		\$15,300.00	
Transmitter Site review	\$15,300.00	\$15,300.00	Transmitter install site planning and design is required	\$15,300.00	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$79,995.00	N/A	N/A	N/A
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$10,000.00	N/A	N/A	N/A
NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A

Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Project management of the transition	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
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	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
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	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 RF Consulting Engineer Fees-Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application \$1,580.00 \$1,500.00 N/A N/A N/A Prepare engineering section of FCC Form 2100, License to Cover Application \$2,050.00 \$1,500.00 N/A N/A N/A Attorney Fees-Prepare and File FCC Form 2100 (main), Construction Permit Application \$4,210.00 \$4,000.00 N/A N/A N/A Attorney Fees-Application \$2,365.00 \$2,250.00 N/A N/A N/A Attorney Fees-Prepare and File Form 2100 \$2,365.00 \$2,250.00 N/A N/A N/A Attorney Fees-Prepare and File Form 2100 (main), License to Cover Application \$181,775.00 \$173,045.00 N/A \$15,300.00 N/A						
Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application Prepare request for Special Temporary Authorization Attorney Fees - \$5,260.00 \$5,000.00 N/A N/A N/A N/A Prepare and File FCC Form 2100 Construction Permit Application Attorney Fees - \$4,210.00 \$4,000.00 N/A N/A N/A N/A Attorney Fees - \$4,210.00 \$4,000.00 N/A N/A N/A Attorney Fees - \$2,365.00 \$2,250.00 N/A N/A N/A Attorney Fees - \$2,365.00 \$2,250.00 N/A N/A N/A Attorney Fees - \$2,365.00 \$2,250.00 N/A N/A N/A Attorney Fees - \$2,365.00 S2,250.00 N/A N/A N/A Attorney Fees - \$2,365.00 N/A N/A N/A Attorney Fees - \$2,365.00 S2,250.00 N/A N/A N/A Attorney Fees - \$2,365.00 N/A N/A N/A N/A N/A Attorney Fees - \$2,365.00 N/A N/A N/A N/A Attorney Fees - \$2,365.00 N/A N/A N/A N/A N/A Attorney Fees - \$2,365.00 N/A N/A N/A N/A N/A N/A Attorney Fees - \$2,365.00 N/A	engineering section of FCC Form 2100 (main), License to Cover	\$1,580.00	\$1,500.00	N/A	N/A	N/A
request for Special Temporary Authorization Attorney Fees - \$5,260.00 \$5,000.00 N/A N/A N/A N/A Prepare and File FCC Form 2100 (main), Construction Permit Application Attorney Fees - \$4,210.00 \$4,000.00 N/A N/A N/A N/A N/A Aux Antenna, prepare and File Form 2100 Construction Permit or License Application Attorney Fees - \$2,365.00 \$2,250.00 N/A N/A N/A N/A N/A Prepare and File FCC Form 2100 (main), License to Cover Application	Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare and File FCC Form 2100 (main), Construction Permit Application Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application Attorney Fees - \$2,365.00 \$2,250.00 N/A N/A N/A Prepare and File FCC Form 2100 (main), License to Cover Application	request for Special Temporary	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Aux Antenna, prepare and File Form 2100 Construction Permit or License Application Attorney Fees - \$2,365.00 \$2,250.00 N/A N/A N/A Prepare and File FCC Form 2100 (main), License to Cover Application	Prepare and File FCC Form 2100 (main), Construction Permit	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Prepare and File FCC Form 2100 (main), License to Cover Application	Aux Antenna, prepare and File Form 2100 Construction Permit or License	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Sub-total \$181,775.00 \$173,045.00 N/A \$15,300.00 N/A	Prepare and File FCC Form 2100 (main), License to Cover	\$2,365.00	\$2,250.00	N/A	N/A	N/A
	Sub-total	\$181,775.00	\$173,045.00	N/A	\$15,300.00	N/A

Total for all	\$1,892,725.00	\$1,498,851.74	N/A	\$610,928.26	N/A
systems					

Components

Actual Information Description	File Name	
Transmitter Site review	Component Description: Amount:	100 percent invoice for Design service \$15,300.00
RF Exposure Measurements	Information not provided.	
Comprehensive coverage verification via field study, if needed	Information not provided.	
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.	
NEPA Section 106 environmental review, if needed	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.	
Project management of the transition	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.	

Perform engineering study for new channel assignment and antenna development	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.
Prepare request for Special Temporary Authorization	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	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).

	Predetermined	Estimated	Estimated Cost		Actual Cost
Description	Cost Estimate	Cost	Justification	Actual Cost	Justification
Other Expenses	\$24,340.00	\$17,980.00		\$4,196.00	
DTV Medical Facility Notification	\$11,550.00	\$5,245.00	N/A	\$4,196.00	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	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	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$1,650.00	\$1,650.00	The cost for construction trash removal	N/A	N/A
Equipment Delivery and Handling Charges	\$4,500.00	\$4,500.00	Delivery of antennas not in quote	N/A	N/A

Develop and air announcement of upcoming channel change	\$0.00	\$0.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$0.00	\$0.00	N/A	N/A	N/A
Sub-total	\$24,340.00	\$17,980.00	N/A	\$4,196.00	N/A
Total for all systems	\$1,892,725.00	\$1,498,851.74	N/A	\$610,928.26	N/A

Components

Actual Information Description	File Name	
DTV Medical Facility Notification	Component Description: Amount:	100 percent of Medical notification \$4,196.00
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.	
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.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
Equipment Delivery and Handling Charges	Information not provided.	

Develop and air announcement of upcoming channel change	Information not provided.
MVPD Notification of Channel Change	Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$1,892,725.00	\$1,498,851.74	\$610,928.26

Reimbursem	entestiatus	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

Section Question Response

Submission of Estimated Expenses Statements

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.

- 1. The Authorized
 Person signing
 below certifies that he
 /she is authorized to
 submit this TV
 Broadcaster
 Relocation Fund
 Reimbursement
 Form on behalf of
 the above-named
 entity.
- 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.
- 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.

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

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above.

Larence K Oaks Vice President of Technology Meredith LMG

03/26/2019

Attachments