

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility	72123	Service: DTV	Call	WWJ-TV	Channel: 21 (UHF)
ID:			Sign:		
File	00000	26787			
Number:					
FRN: 00	03482189	Date	07/20		
		Submitted:	/2017		

Applicant Name, Type, and Contact Information

Information

Applicant	Address	Phone	Email	Applicant Type
CBS BROADCASTING INC. Doing Business As: CBS BROADCASTING INC.	Edwin L Nass 1725 DESALES ST NW SUITE 501 WASHINGTON, DC 20036 United States	+1 (202) 457- 4505	ELNASS@CBS. 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		
	Edwin L Nass , Nass .	Edwin L Nass	+1 (202) 457-	elnass@cbs.		
	Director of Spectrum	1725 DeSales Street	4602	com		
	Management	NW				
	CBS	Suite 501				
		Washington, DC				
		20036				
		United States				

Broadcaster	Question	Response
Information and Transition Plan	Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	Yes
	Briefly describe transition plan	New channel 21 TFU-18 antenna and 6-1 /8" line to be installed on the south arm of candelabra. Tower owner providing interim broad band antenna system to be leased.

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

Primary	Existing Transmitter Information					
Transmitter	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				
	Manufacturer and Type	Model	SigmaCD- 2200P2			
		Year	1999			
		Туре	Inductive Output Tube			
		IOT Power Type	Two			
		Power Capacity	46 kW			

Existing Transmitter Information

Primary	New Transmitter Costs					
Transmitter	Section	Question	Response			
	New Transmitter	Use	Primary (Main)			
		Change Type	Purchase New			
		Is this a request for upgraded equipment?	Yes			
		Manufacturer				
		Model	ULXTE-60			
		Transmitter Type	Solid State			
		Solid State Cooling	Liquid Cooled			
		Solid State Power capacity	38.0 kW			
		Justification for New Transmitter	GatesAir Won't Re- tune (See Exhibit 1). IOT replacement is more expensive (See Exhibit 2). Proposed replacement is less expensive (Exhibit 3).			

Primary	Other Transmitter Costs				
Transmitter	Section	Question	Response		
	Electrical Service	Service Entrance (3 phases 800A 208V)	No		
		Switchgear (industrial 800 amp)	No		
		Transformer (480V)	No		
		Power	N/A		

Other Transmitter Costs

	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Transformer (See GatesAir Exhibit 3 - Item D1), Surge Suppressor (See GatesAir Exhibit 3 - Item D2), Various Main Site Electrical Work (See Exhibit 4).
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

Primary
TransmitterOther Transmitter Cost Not ListedInformation not provided.

Antennas Section		Question	Response
Antenna Rela	ated Expenses	Do you have antenna related expenses?	Yes

Primary	Existing Antenna Information				
Antenna	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?	No		
		Is antenna in operating condition?	Yes		
		Is antenna located on or in close proximity to an antenna farm?	No		
	Existing Antenna	Class	Full Power		
	Manufacturer and Type	Mounting	Top Mount		
		Antenna position in stack	Тор		
		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)	425.0 kW		

	Manufacturer	
	Model	TFU-18GTH
	Year	1998

Primary	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	Yes	
		Ownership	Owned	
		Owner	N/A	
		Is antenna shared?	No	
		Is antenna directional?	No	
		Will antenna be located on or in close proximity to an antenna farm?	No	
	New Antenna Manufacturer and Types	Class	Full Power	
		Mounting	Top Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Elliptical	
		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)	264.0 kW	
		Manufacturer		
		Model	TFU-18GTH	

Year
Justification for New Antenna

Primary Antenna	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?	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 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 Costs

Primary Antenna Other Antenna Cost Not Listed

Interim Antenna	New Antenna Costs			
	Section	Question	Response	
	New Antenna Description	Use	Interim	
		Description of Use	N/A	
		Change Type	Rent Temporary	
		Ownership	Leased	
		Owner	American Tower Corporation	
		Is antenna shared?	Yes	
		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	Elliptical	
		Туре	Broadband Slot	
		Number of Stations Supported	3	
		Number of Panels/Bays	8	
		Lower Limit	407.00 MHz	
		Upper Limit	698.00 MHz	
		Design power capacity in use	0.0 %	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	264.0 kW	
		Manufacturer		
		Model	TFU-24 WB /VP-C160	

Year	2018
Justification for New Antenna	Required for continued operation while mai WWJ-TV antenna is replaced.

Interim Other Antenna Costs

Antenna	Section	Question	Response
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
		Туре	New
		Number of channels supported	3
		Frequencies of channels supported	RF channel
Elbow Complex		Frequency	N/A
		Do you need a combiner output splitter /switcher for dual feed lines?	No
	Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
		Broadband or Single Channel?	в
		Feed Line Size	7 3/16 inches
	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

Enter a list of RF channel numbers.

RF Channel Number

44		
21		
43		

Interim Antenna

Other Antenna Cost Not Listed

Name	Description
Building Permits	The cost of preparation and submission of the needed forms for permits for jurisdictional permits required for electrical, building, and other required tasks associated with the install of the interim antenna combiner equipment.
Ice Shield	Ice protection for new outdoor HVAC equipment outside the combiner room. The total estimated area is 64 sq. ft.
Install Combiner	Cost is for installing and proofing combiner.
Combiner HVAC	Installation, equipment and material cost of 10-ton HVAC unit for new repack combiner room. The proper BTU were calculated to control the temperature in this space due to the sensitive equipment.
Concrete Pad	8X8 foot concrete pad for HVAC compressor unit and fencing for security.
Switchgear	New switchgear required accommodating additional repack equipment. This switch is used to supply power for the new HVAC system for the combiner room.
Conduit	This cost includes 200 L/F of 2" conduit and conductor to adequately supply the HVAC unit.
New Electrical Panel	New HVAC electrical sub-panel for new AC unit required for the repack combiner area fed off of existing 480/208 main panel. This equipment is required to provide the existing power to the HVAC unit.

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

ransmissio	n 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	
		Туре	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	1150 feet per run

Primary Existing Transmission Line

Primary	New Transmission Line		
Transmissio	n 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
		Туре	Rigid
		Diameter	6 1/8 inches
		Other Diameter	N/A
		Segment Length	Broadband
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	1150 feet per run
		Justification for New Transmission Line	Existing line segment length cannot be used on new channel.

Other Transmission Line Expenses Not Listed Transmission Line Description

Name	Description
RF Accessories	Coaxial Switch, Switch Controller, Dummy Load, etc. See Exhibit 9, Item C.

Interim	New Transmission Line		
Transmissic	n Line Section	Question	Response
	New Transmission Line	Use	Interim
	Costs	Description of Use	N/A
		Change Type	Purchase New
		Туре	Rigid
		Diameter	7 3/16 inches
		Segment Length	Broadband
		Other Segment Length	
		Number of parallel runs	1
		Length	995 feet per run
		Justification for New Transmission Line	Material costs for 995 foot 7- 3/16" Broadband transmission line, three (3) elbows and a nitrogen generator for pressurization control on the line.

Other Transmission Line Expenses Not Listed Transmission

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

Existing Tower

Primary	Existing Tower			
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?	Candelabra	
		Is this tower currently shared with any other stations?	Yes	
		One or more FM, AM or TV radio broadcaster(s)	Yes	
		Others Types of Users	No	
		Is tower documented for structural analysis?	Unknown	
		Is tower compliant with Rev G?	Unknown	
	Existing Tower Structure Registration	Do you have a tower registration number?	Yes	
		ASR Number	1003429	
	Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	42° 26' 52.5" N-	
		Longitude (NAD83)	083° 10' 23.1" W-	
		Overall Structure Height	1086.93 feet	
		Support Structure Height	1012.13 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	662.07 feet	

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	American Tower, LLC
Date Constructed	06/11/1999

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

Facility ID	Call Sign	Service
59952	WDTW-FM	FM
74211	WMYD	DTV
6594	WNIC	FM
16817	WTVS	DTV
59592	WJLB	FM
6056	WRCJ-FM	FM
6592	WKQI	FM

Primary Tower Modification Costs

Tower

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:	Minor Reinforcements needed

Tower Rigging Costs Primary

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

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Site Security	The value of the materials required for the repack will require security to prevent theft during off hours (see Exhibit 6).
Structural Engineering	Rigorous Structural analysis to access the structural capacity and modifications needed to accommodate the repacked equipment (see Exhibit 6).

Outside	Section	Question	Response
Professional	Il Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	250
		Explanation	Company lacks internal resources.
	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
	Attorney and Other Outside Consulting Services	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	No
		Quantity	N/A
		Do you have Distributed Transmission System engineering services?	N/A
		Critical Facility	N/A
		Terrain-Shielded Facility	N/A
		Prepare and file Form FCC Construction Permit Application	No
		For Auxiliary Facility	N/A
		For Main Facility	N/A
		Prepare and file Form FCC License to Cover Application	No
		For Auxiliary Facility	N/A

	For Main Facility	N/A
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	No
	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	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside	Other Professional Services Expenses	Not Listed
Professiona	Services Costs	Description
	Site Coordination Meeting	Meeting to coordinate efforts among broadcasters, tower owner, and tower contractor.

Other	Section	Question	Response
Expenses	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	Yes
		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	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?	No
		Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	No
		Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses Not Listed

Expenses Information not provided.

Transmitters

Cost Information

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 ULXTE-60	\$1,534,099.82	\$974,221.00		\$0.00	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$913,121.18	Please see Exhibit 9, Items A, B, and E	N/A	N/A
Other Electrical Service: Transformer (See GatesAir Exhibit 3 - Item D1), Surge Suppressor (See GatesAir Exhibit 3 - Item D2), Various Main Site Electrical Work (See Exhibit 4).	\$61,099.82	\$61,099.82	Other Electrical Service: Transformer (See GatesAir Exhibit 9 - Item D1), Surge Suppressor (See GatesAir Exhibit 9 - Item D2), Various Main Site Electrical Work (See Exhibit 4).	N/A	N/A
Sub-total	\$1,534,099.82	\$974,221.00	N/A	\$0.00	N/A
Total for all systems	\$3,589,081.24	\$2,317,137.12	N/A	\$0.00	N/A

Components

Antennas

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-24 WB /VP-C160	\$320,914.00	\$251,900.00		\$0.00	
New Electrical Panel	\$1,667.00	\$1,667.00	New HVAC electrical sub- panel for new AC unit required for the repack combiner area fed off of existing 480 /208 main panel. This equipment is required to provide the existing power to the HVAC unit (see Exhibit 7).	N/A	N/A
Conduit	\$1,667.00	\$1,667.00	This cost includes 200 L /F of 2" conduit and conductor to adequately supply the HVAC unit (see Exhibit 7).	N/A	N/A

Switchgear	\$6,050.00	\$6,050.00	New switchgear required accommodating additional repack equipment. This switch is used to supply power for the new HVAC system for the combiner room.	N/A	N/A
Concrete Pad	\$2,000.00	\$2,000.00	8X8 foot concrete pad for HVAC compressor unit and fencing for security (see Exhibit 7).	N/A	N/A
Combiner HVAC	\$19,167.00	\$19,167.00	Installation, equipment and material cost of one 10-ton HVAC unit to maintain operational temperatures in the new repack combiner room. The proper BTU were calculated to control the temperature in this space due to the sensitive equipment (see Exhibit 7).	N/A	N/A
Install Combiner	\$5,000.00	\$5,000.00	Cost is for installing and proofing combiner.	N/A	N/A

Interim antenna rental and installation - Cost will depend on antenna size and height and /or complexity of tower.	\$115,500.00	\$117,600.00	Includes tower space rental and pro-rata share of antenna. Sharing with two other stations requires a broadband antenna (see Exhibit 7).	N/A	N/A
bow mplex, oadband, antenna out, per 7 3 6. feedline needed)	\$16,850.00	\$3,333.00	Pro-rata share (see Exhibit 7).	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$30,000.00	Pro-rata share (see Exhibit 7).	N/A	N/A
UHF - High Power, Side Mount, basic slot antenna, 8 bay,, 264 kW input, directional,, elliptically or circularly polarized	\$60,000.00	\$60,000.00	Pro-rata share (see Exhibit 7).	N/A	N/A
Ice Shield	\$1,333.00	\$1,333.00	Ice protection for new outdoor HVAC equipment outside the combiner room. The total estimated area is 64 sq. ft (see Exhibit 6).	N/A	N/A

Building Permits	\$750.00	\$750.00	Required for installation of interim antenna combiner, HVAC, and electrical panels for combiner room (see Exhibit 7).	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$3,333.00	N/A	N/A	N/A
Primary Antenna TFU-18GTH	\$296,230.00	\$167,396.00		\$0.00	
UHF - High Power Top Mount (200- 1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$160,996.00	Exhibit 5 Items 1 and 2, minus \$16,950 cost of V-Pol.	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Sub-total	\$617,144.00	\$419,296.00	N/A	\$0.00	N/A
	\$3,589,081.24	\$2,317,137.12	N/A	\$0.00	N/A

Components

Transmission Line

Cost Information

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	\$331,335.00	\$70,977.00		\$0.00	
Rigid Transmission Line - copper, 7 3/16" broadband	\$331,335.00	\$70,977.00	Pro-rata Material costs for 995 foot 7- 3/16" Broadband transmission line, three (3) elbows and a nitrogen generator for pressurization control on the line (see Exhibit 7).	N/A	N/A
Primary Transmission Line	\$340,932.42	\$252,598.12		\$0.00	
RF Accessories	\$74,132.42	\$74,132.42	Coaxial Switch, Switch Controller, Dummy Load, etc. See Exhibit 9, Item C.	N/A	N/A
Rigid Transmission Line - copper, 6 1/8" broadband	\$266,800.00	\$178,465.70	Required for new antenna (see Exhibit 5).	N/A	N/A
Sub-total	\$672,267.42	\$323,575.12	N/A	\$0.00	N/A
Total for all systems	\$3,589,081.24	\$2,317,137.12	N/A	\$0.00	N/A

Components

Tower Equipment and Rigging Costs

Cost Information

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	\$618,800.00	\$475,900.00		\$0.00	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$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	\$12,400.00	N/A	N/A	N/A
Site Security	\$3,750.00	\$3,750.00	The value of the materials required for the repack will require security to prevent theft during off hours.	N/A	N/A

Structural	\$9,750.00	\$9,750.00	Rigorous	N/A	N/A
Engineering			Structural		
			analysis to		
			access the		
			structural		
			capacity and		
			modifications		
			needed to		
			accommodate		
			the repacked		
			equipment.		
Minor tower	\$158,000.00	\$50,000.00	It is expected	N/A	N/A
reinforcement			that additional		
/modifications			loads on the		
			tower require		
			for repack will		
			cause the		
			tower to fail.		
			The structural		
			failure is		
			expected to		
			be in the		
			minor		
			category		
			requiring		
			replacement		
			of structural		
			members		
			(see Exhibit		
			6).		
Sub-total	\$618,800.00	\$475,900.00	N/A	\$0.00	N/A
Total for all systems	\$3,589,081.24	\$2,317,137.12	N/A	\$0.00	N/A

Components

Outside Professional Services

Cost Information

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	\$87,775.00	\$71,750.00		\$0.00	
Site Coordination Meeting	\$2,500.00	\$2,500.00	Meeting to coordinate efforts between broadcasters, tower owner, and tower contractors.	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$250.00	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
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 (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, Construction Permit Application	\$2,105.00	\$2,000.00	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
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	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
Project management of the transition	\$39,500.00	\$37,500.00	Company lacks internal resources.	N/A	N/A

RF Exposure Measurements	\$21,050.00	\$10,000.00	N/A	N/A	N/A
Sub-total	\$87,775.00	\$71,750.00	N/A	\$0.00	N/A
Total for all systems	\$3,589,081.24	\$2,317,137.12	N/A	\$0.00	N/A

Components

Other Expenses

Cost Information

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	\$58,995.00	\$52,395.00		\$0.00	
MVPD Notification of Channel Change	\$1,000.00	\$1,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$15,000.00	\$15,000.00	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 - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A
Local Zoning	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Non-zoning permits	\$5,000.00	\$5,000.00	Local permits and drawings. See ATC quotes.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$20,000.00	\$20,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$5,000.00	N/A	N/A	N/A
Sub-total	\$58,995.00	\$52,395.00	N/A	\$0.00	N/A

Total for all	\$3,589,081.24	\$2,317,137.12	N/A	\$0.00	N/A
systems					

Components

Cost Information	Grand Total				
		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$3,589,081.24	\$2,317,137.12	\$0.00	

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

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.	
		 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. 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).
- 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.	Andrew J. Siegel Assistant Secretary 07/20/2017

Attachments