

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: File Number:	22589 000002	Service: DTV 28619	Call Sign:	KFDM	Channel: 15 (UHF)
FRN: 002	21268396	Date	06/20		
		Submitted:	/2019		

Applicant Name, Type, and Contact Information Applicant Information Applicant Address Phone Email **Applicant Type** Harvey Arnold Limited Liability KFDM +1(410)harnold@sbgtv. LICENSEE, LLC 10706 Beaver 568-1500 com Company Dam Road Cockeysville, MD 21030 **United States**

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Name and Information Preparer Contact Applicant Address Phone Email Information Paul A. Cicelski, 2001 L St NW +1 (202) 416pcicelski@lermansenter. Suite 400 6756 Esq. com Lerman Senter PLLC 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.	No
	Briefly describe transition plan	See Exhibit A.

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

Primary Existing Transmitter Information

Transmitter	Section	Question	Response
	Existing Transmitter Description	Type of change	Retune Existing
		Use	Primary (Main)
		Ownership	Owned
	Owner	Owner	N/A
		Is this transmitter currently shared with another station?	No
		Is this transmitter currently in operating condition?	Yes
	Existing Transmitter	Manufacturer	Harris
	Manufacturer and Type	Model	Power CD30D1
		Year	2005

	Туре	Inductive Output Tube
	IOT Power Type	Single
	Power capacity	25 kW

Primary Retuning Transmitter Costs

	-			
Tran	S	m	itte	r

Section	Question	Response
New IOT Tubes	Number of Tubes (including accessories) needed	1
New Mask Filter	Power	30 kW
	Other Power	N/A
New Exciter	Is a new exciter needed?	Yes
	Exciter Type	Dual exciter with changeover

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 Rigid Conduit and Wiring Size Length	N/A		
			Yes		
			2 inches		
			400.0 feet		
		Other Electrical Service	No		
		Description	N/A		
	HVAC Service	Does the replacement transmitter require HVAC Service?	Yes		

	Туре	Cooling Only
	Size	10 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	Yes
	Size	400.0
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 Other Transmitter Cost Not Listed

Transmitter Information not provided.

Auxiliary	Add Transmitter Information				
ransmitter	Section	Question	Response		
	Existing Transmitter Description	Type of change	Purchase New		
		Use	Auxiliary (Backup)		
		Description of Use	Back-up		
		Ownership	Owned		
		Owner	N/A		
		Site	N/A		
		Is this transmitter currently shared with another station? Is this transmitter currently in operating condition?	No		
			Yes		
	Existing Transmitter				
	Manufacturer and Type		Diamond Digital		
		Year	2009		
		Туре	Solid State		
		Solid State Cooling	Air Cooled		
		Solid State Power Capacity	7.25 kW		

Add Transmitter Information

Auxiliary	New Transmitter Costs				
Transmitter	Section	Question	Response		
	New Transmitter Use Change Type	Use	Auxiliary (Backup)		
		Change Type	Purchase New		
		Is this a request for upgraded equipment?	No		
		Manufacturer			
		Model	THU9-8		
		Transmitter Type	Solid State		
		Solid State Cooling	Liquid Cooled		
		Solid State Power capacity	13 kW		
		Justification for New Transmitter	Backup transmitter cannot be retuned per the manufacturer. See Exhibit C.		

Auxiliary	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	
		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
	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

Other Transmitter Cost Not Listed

AuxiliaryOther Transmitter CoTransmitterInformation 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 Manufacturer and Type	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	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)	350.0 kW	

Manufacturer	
Model	ATW28H3- ETO-25H
Year	2009

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?	No	
		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)	277.0 kW	
		Manufacturer		
			1	

Model	TFU-26GTH /VP-R-O4
Year	2017
Justification for New Antenna	Old antenna is a single channel antenna that cannot be used for the new post- auction channel.

Primary Other Antenna Costs

Antenna	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

Primary
AntennaOther Antenna Cost Not ListedInformation not provided.

Interim	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Interim	
		Description of Use	N/A	
		Change Type	Purchase New	
		Ownership	Owned	
		Owner	N/A	
		Is antenna shared?	No	
		Is antenna directional?	No	
		Will antenna be located on or in close proximity to an antenna farm?	No	
	New Antenna Manufacturer and Type	Class	Full Power	
		Mounting	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Elliptical	
		Туре	Broadband Panel	
		Number of Stations Supported	1	
		Number of Panels/Bays	8	
		Lower Limit	470.00 MHz	
		Upper Limit	598.00 MHz	
		Design power capacity in use	100.0 %	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	100.0 kW	
		Manufacturer		
		Model	TFU-8WB- 1-R	
		Year	2017	

Justification for New Antenna	Interim
	antenna to
	be used to
	stay on the
	air while the
	main
	antenna
	undergoes
	construction
	for the post
	auction
	channel
	change.

Other Antenna Costs

Interim Antenna

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	3 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Interim Other Antenna Cost Not Listed

Antenna Information not provided.

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

ransmissio	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	Manufacturer	
	Line Manufacturer and Type	Туре	Rigid
		Diameter	4 1/16 inches
		Other Diameter	N/A
		Segment Length	20 inches
		Other Segment Length	N/A
		Number of parallel runs	1
	Length	1055 feet per run	

Primary Existing Transmission Line

Primary	New Transmission Line			
Transmission	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	4 1/16 inches	
		Other Diameter	N/A	
		Segment Length	20 inches	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	1095 feet per run	
		Justification for New Transmission Line	The section sizes are frequency- specific and the old transmission line cannot be used with the post-repack channel.	

Primary Other Transmission Line Expenses Not Listed Transmission

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	Rigid
		Diameter	3 1/8 inches
		Segment Length	20'
		Other Segment Length	
		Number of parallel runs	1
		Length	600 feet per run
		Justification for New Transmission Line	Interim transmission line will feed the interim antenna.

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

marv	Existing	Tower
------	----------	-------

Primary	Existing Tower			
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?	Yes	
		Is tower compliant with Rev G?	No	
	Existing Tower Structure Registration Coordinates (NAD83 (North American Datum of	Do you have a tower registration number?	Yes	
		ASR Number	1040514	
		Latitude (NAD83)	30° 08' 25.0" N-	
1983))	1983))	Longitude (NAD83)	093° 58' 45.0" W-	
		Overall Structure Height	1030.83 feet	
		Support Structure Height	863.18 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	18.04 feet	
	-			

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	KFDM Licensee, LLC
Date Constructed	10/10/1963

Primary Tower Section Qu

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

Primary Tower Section

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	
	Other Costs	Other Costs	

Outside	Section	Question	Response
Professional	I Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	470
		Explanation	Outside consulting engineering, legal work, and accounting services, as well as project management for regional and comprehensive repack execution.
	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	2
		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	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Other Professional Services Expenses Not Listed Professional Services roostsided.

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	No
		FCC License to Cover Application	Yes
		FCC Special Temporary Authority Application	Yes
	Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
		Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
		Does this relocation require Equipment Storage?	Yes
		Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
		Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses 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).

			Estimated		
Description	Predetermined Cost Estimate	Estimated Cost	Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter Power CD30D1	\$797,218.23	\$783,468.23		\$236,724.66	
Other Building Addition Size: 400.0	\$302,468.23	\$302,468.23	See Response to August 10 Inquiry - quote includes air conditioning.	\$204,048.00	N/A
10 Ton system	\$38,900.00	\$37,000.00	N/A	N/A	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$10,400.00	\$21,000.00	Updated cost of estimated amount per FCC requirement.	\$20,508.66	N/A
Dual exciter system with change over	\$47,350.00	\$45,000.00	N/A	N/A	N/A
30 kW mask filter	\$32,600.00	\$31,000.00	N/A	N/A	N/A
Single IOT system (25 kW)	\$238,000.00	\$226,000.00	N/A	\$12,168.00	N/A
1 IOT Tubes	\$127,500.00	\$121,000.00	N/A	N/A	N/A

Auxiliary Transmitter THU9-8	\$497,100.00	\$472,500.00		\$12,305.55	
2" Rigid Conduit and Wiring (Cost per foot)	\$2,600.00	\$2,500.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$470,000.00	N/A	\$12,305.55	N/A
Sub-total	\$1,294,318.23	\$1,255,968.23	N/A	\$249,030.21	N/A
Total for all systems	\$2,983,851.33	\$2,907,457.65	N/A	\$1,037,333.35	N/A

Components

Actual Information Description	File Name	
Other Building Addition Size: 400.0	Component Description: Amount:	Building related cost. #002077 \$7,866.00
	Component Description: Amount:	Building related costs. #002103 \$196,182.00
10 Ton system	Information not provided.	

2" Rigid Conduit and Wiring (Cost per foot)	Component Description:	Tower related
		cost. #51388-B
	Amount:	\$670.00
	Component Description:	Transmitter
		related cost. #51388-C
	Amount:	\$1,656.23
	Amount.	\$1,000.20
	Component Description:	Transmitter
		related cost.
		#51159-A
	Amount:	\$18,182.43
Dual exciter system with change over	Information not provided.	
30 kW mask filter	Information not provided.	
Single IOT system (25 kW)		
	Component Description:	Transmitter
		related cost.
		#002103
	Amount:	\$12,168.00
1 IOT Tubes	Information not provided.	
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
UHF - Liquid Cooled Solid		
State Transmitter 8.2 - 13 kW	Component Description:	Transmitter
		Related Cost.
		#20008905
	Amount:	\$550.00
	Component Description:	Transmitter
		related cost.
		#20008872
	Amount:	\$595.38

Component Description: Amount:	Security services, cover letter attached. #78403 N/A
Component Description:	Transmitter Related Cost. #78403
Amount:	\$2,068.66
Component Description:	Lull Rental Services, cover letter attached.
Amount:	#5261 \$10,564.79
Component Description: Amount:	Transmitter related cost. #20008880 \$595.38
Component Description:	Transmitter cost.
Amount:	#002059 \$106,907.89
Component Description: Amount:	Transmitter Related Cost. #5261 \$10,564.79

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-8WB- 1-R	\$140,580.00	\$133,800.00		\$47,178.30	
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	\$3,291.97	Second item should be removed.
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A

UHF - Lower Power Side Mount, One Station antenna . medium power (50- 200 kW), elliptically or circularly polarized	\$103,100.00	\$98,000.00	N/A	\$43,886.33	N/A
Primary Antenna TFU-26GTH /VP-R-O4	\$308,530.00	\$296,700.00		\$184,509.45	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$11,700.00	N/A	\$0.00	N/A
Sweep test of existing antenna	\$6,730.00	\$10,000.00	Updated cost of estimated amount per FCC requirement.	\$9,893.12	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$275,000.00	N/A	\$174,616.33	N/A

Sub-total	\$449,110.00	\$430,500.00	N/A	\$231,687.75	N/A
Total for all systems	\$2,983,851.33	\$2,907,457.65	N/A	\$1,037,333.35	N/A

Components

Actual Information Description	File Name	
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)	Component Description: Amount:	Antenna cost \$4,116.00
	Component Description: Amount:	Total amount reduced by 20.02%. #24946 \$3,291.97
Sweep test of existing antenna	Information not provided.	
UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	Component Description: Amount:	Freight cost. #214017 \$2,565.47
	Component Description:	Total amount reduced by 20.02%. #24905
	Amount:	\$41,320.86

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description:	Antenna related expense
	Amount:	discounted by 20.02%. #214005 \$8,236.34
Sweep test of existing antenna	Component Description:	Antenna related cost reduced by
	Amount:	20.02%. #274015 \$5,118.72
	Component Description:	Antenna related cost reduced by 25.40%. #436018
	Amount:	\$4,774.40
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	Component Description:	Discounted freight cost for antenna by 20.02%.
	Amount:	#214017 N/A
	Component Description:	Total amount reduced by 20.02%. #198006
	Amount:	20.02%. #198006 \$174,616.33

Transmission Line

Cost Information

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 \$62,400.00	Estimated Cost \$120,000.00	Estimated Cost Justification	Actual Cost \$93,250.58	Actual Cost Justification
Rigid Transmission Line - copper, 3 1/8"	\$62,400.00	\$120,000.00	Adjustment needs to be made because actual cost exceeds what the predicted cost would be due to additional expenses.	\$93,250.58	N/A
Primary Transmission Line	\$155,490.00	\$122,266.32		\$122,266.32	
Rigid Transmission Line - copper, 4 1 /16"	\$155,490.00	\$122,266.32	See Response to August 10 Inquiry.	\$122,266.32	N/A
Sub-total	\$217,890.00	\$242,266.32	N/A	\$215,516.90	N/A
Total for all systems	\$2,983,851.33	\$2,907,457.65	N/A	\$1,037,333.35	N/A

Components

Actual Information	
Description	File Name

Rigid Transmission Line - copper, 3 1/8"	Component Description: Amount:	Total amount reduced by 20.02%. #47002 \$44,800.55
	Component Description:	Interim antenna shipping and handling. #209005
	Amount:	\$1,303.27
	Component Description:	Freight attributed to transmission line cost discounted by 20.02%. #205005
	Amount:	\$5,463.43
	Component Description:	Transmission line equipment related cost discounted by 20.02%. #203006
	Amount:	\$41,683.33
	Component Description: Amount:	Rigid transmission line. \$56,014.70

Rigid Transmission Line - copper, 4 1/16"	Component Description:	Transmission Line related cost. #274015
	Amount:	\$2,748.91
	Component Description:	Antenna related cost. #215004
	Amount:	\$19,147.95
	Component Description:	Freight cost for transmission line discounted by 20.02%. #209005
	Amount:	N/A
	Component Description:	Transmission Line Related Cost. #775002SOA
	Amount:	\$100,369.46
	Component Description:	Transmission line cost discounted by 20.02%. #215004
	Amount:	\$19,147.95

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 TOWER	\$665,792.10	\$633,692.10		\$294,465.10	
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	\$5,500.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	\$164,507.40	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	\$102,765.60	N/A
Other Costs	\$21,692.10	\$21,692.10	N/A	\$21,692.10	N/A
Sub-total	\$665,792.10	\$633,692.10	N/A	\$294,465.10	N/A
Total for all systems	\$2,983,851.33	\$2,907,457.65	N/A	\$1,037,333.35	N/A

Components

Actual Information	
Description	File Name

Structural engineering tower load study for well documented tower	Component Description: Amount:	Engineering structural analysis. #138030 \$2,750.00
	Component Description:	Engineering structural analysis.
	Amount:	#145249 \$2,750.00
	Component Description:	Engineering structural analysis.
	Amount:	\$2,750.00

Major tower reinforcement		
/modifications	Component Description:	Tower related cost.
		#E-181135
	Amount:	\$39,952.00
	Component Description:	28% final. #E-
		173506
	Amount:	\$22,543.64
	Component Description:	42% payment. #E-
	Amount:	173303 \$22.845.46
	Amount:	\$33,815.46
	Common ant Descriptions	Tower related cost.
	Component Description:	#E-173303
	Amount:	\$33,815.46
		<i>•••••••••••••••••••••••••••••••••••••</i>
	Component Description:	Tower related cost.
		#E-173506
	Amount:	\$22,543.64
	Component Description:	Partial payment of
		tower construction
		cost. #E-162627
	Amount:	\$24,153.90
	Component Descriptions	30%
	Component Description:	30% downpayment. #E-
		149381
	Amount:	\$44,042.40
	Component Description:	Tower construction
		cost. #E-149381
	Amount:	\$44,042.40

	Component Description:	27% final. #E-
		173391
	Amount:	\$41,106.24
	Component Description:	Tower related cos
	Amount:	#78403 \$2,068.66
	Component Description:	Tower related cos
	Amount:	#E-173391 \$41,106.24
	Component Description:	Tower related cos 60% of the balanc
	Amount:	of the order. #E173302 \$61,659.36
Other Costs	Component Description: Amount:	Other tower relate cost. #79395 \$2,068.66
	Component Description:	Other tower relate cost. #78192
	Amount:	\$2,068.66
	Component Description:	Tower related cos #51794
	Component Description: Amount:	
		#51794

Component Description: Amount:	Other tower related cost. #78956 \$2,068.66
Component Description: Amount:	Tower related cost. #78403 \$2,068.66
Component Description: Amount:	Other tower related cost. #79276 \$2,068.66
Component Description: Amount:	Other tower related cost. #78287 \$2,068.66
Component Description: Amount:	Other tower related costs. #78097 \$2,153.09
Component Description: Amount:	Tower related cost. #51596 \$2,000.00
Component Description: Amount:	Tower related cost. #1130.00SEP0518 \$1,130.00

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	\$228,045.00	\$216,900.00		\$36,057.04	
Project management of the transition	\$74,260.00	\$70,500.00	N/A	\$19,226.73	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	\$3,400.00	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	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	\$7,360.00	\$7,000.00	N/A	\$57.50	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$1,620.00	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	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	\$402.62	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	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
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	\$2,235.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$5,475.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A

Prepare and or review reimbursement form	\$2,630.00	\$3,650.00	Updated cost of estimated amount per FCC requirement.	\$3,640.19	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
Sub-total	\$228,045.00	\$216,900.00	N/A	\$36,057.04	N/A
Total for all systems	\$2,983,851.33	\$2,907,457.65	N/A	\$1,037,333.35	N/A

Components

Actual Information Description	File Name	
Project management of the transition	Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$818.59
	Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$20.91

Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #1093 \$269.71
Component Description: Amount:	Legal Service Cost. #467383 \$62.50
Component Description: Amount:	Legal Service Cost. #471526 \$172.70
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1063 \$262.29
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #1098 \$238.07
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #1114 \$242.25

Component Description: Amount:	Legal Service Cost. #470871 \$438.75
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #1090 \$176.70
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #467861 \$470.30
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$999.04
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #471524
Amount:	\$341.18

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #470237 \$436.37
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #1099 \$266.93
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #473506 \$421.40
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #470923 \$406.65
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 99 stations. #469573 \$377.14

Component Description: Amount:	Legal Service Cost. #470276 \$182.50
Component Description: Amount:	Legal Service Cost. #472175 \$1,122.60
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #1111 \$159.58
Component Description: Amount:	Legal Service Cost. #472585 \$270.00
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #465173 \$654.26
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98
Amount:	stations. #1072 \$237.64

Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1078 \$215.68
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #465001 \$596.30
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$32.35
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #461759 \$29.98
Component Description: Amount:	Legal Service Cost. #466695 \$120.00

Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 99 stations. #468718 \$349.51
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$43.72
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1069 \$246.68
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #460326 \$801.57
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1039 \$30.47

Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1051 \$105.97
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 99 stations. #1086 \$275.35
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #466690 \$446.87
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1045 \$185.10
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1058 \$187.24

Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #467378 \$576.96
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$716.28
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$836.44
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #463567 \$566.48
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #464321 \$683.07

Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #1105 \$216.88
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #470321 \$198.52
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$86.88
Component Description: Amount:	Legal services cost. #468719 \$496.25
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1079 \$177.14

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #461289 \$91.50
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$20.65
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1055 \$243.38
Component Description: Amount:	Legal Service Cost. #465180 \$657.50
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$943.95
Component Description: Amount:	Legal service cost. #467856 \$433.20

Comprehensive coverage verification via field study, if needed	Component Description: Amount:	Comprehensive survey cost. #187009 \$3,400.00
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.	
ASR modification (prepare FCC Form 854)	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	Component Description: Amount:	Legal services cos #462964 \$57.50
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description:	Outside Engineering Service. #858-90- 0004
	Amount:	\$1,620.00
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), Construction Permit Application	Component Description: Amount:	Review and revise KFDM modification application. \$180.70
	Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #461289 \$122.00
	Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #461759 \$99.92
Prepare request for Special Temporary Authorization	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover 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), Construction Permit Application	Component Description: Amount:	Consulting engineering cost. \$2,235.00

Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	Consulting engineering cost. \$5,475.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	Component Description: Amount:	Legal services cost. #464352 \$500.00
	Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #461289
	Amount:	\$1,311.48
	Component Description: Amount:	Legal services cost. \$115.00
	Component Description:	Legal services cost. #461808
	Amount:	\$256.60
	Component Description:	Legal services cost. #460945
	Amount:	\$172.50
	Component Description:	Legal services cost. #457846
	Amount:	\$263.30

	Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #461759
	Amount:	\$869.30
	Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93
	Amount:	stations. \$152.01
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	

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	\$128,696.00	\$128,131.00		\$7,976.35	
MVPD Notification of Channel Change	\$5,000.00	\$5,000.00	See Exhibit J.	N/A	N/A
Develop and air announcement of upcoming channel change	\$28,050.00	\$28,050.00	See Response to August 10 Inquiry.	\$300.00	N/A
Equipment Storage	\$15,000.00	\$15,000.00	See Exhibit J.	\$0.00	N/A
Equipment Delivery and Handling Charges	\$10,000.00	\$10,000.00	See Exhibit J.	\$7,676.35	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$28,566.00	\$28,566.00	See Response to August 10 Inquiry.	N/A	N/A
Non-zoning permits	\$10,000.00	\$10,000.00	See Exhibit J.	N/A	N/A
Local Zoning	\$20,000.00	\$20,000.00	See Exhibit J.	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A

FCC Filing Fees - Form 2100 license to cover	\$335.00	\$325.00	N/A	N/A	N/A
application DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
Sub-total	\$128,696.00	\$128,131.00	N/A	\$7,976.35	N/A
Total for all systems	\$2,983,851.33	\$2,907,457.65	N/A	\$1,037,333.35	N/A

Components

Actual Information Description	File Name	
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Component Description: Amount:	Caption encoding cost. #109516 \$300.00
Equipment Storage	Information not provided.	
Equipment Delivery and Handling Charges	Component Description: Amount:	Equipment Delivery related cost. #002077 \$65.06
	Component Description:	Equipment Delivery related cost. #002103
	Amount:	\$7,611.29
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
Non-zoning permits	Information not provided.	

Local Zoning	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
DTV Medical Facility Notification	Component Description:	Medical Notifications Cost #1041
	Amount:	\$2,600.00

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$2,983,851.33	\$2,907,457.65	\$1,037,333.35

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. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 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.	Lucy Rutishauser CFO 06/20/2019

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).	
		 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.

	The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 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.	
an au name	are, under penalty of perjury, that I am chorized representative of the above- d applicant for the Authorization(s) ied above.	Lucy Rutishauser <i>CFO</i> 06/20/2019

Attachments