

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 22589 Service: DTV Call KFDM Channel: 15 (UHF)

Sign:

ID:

File **0000028619**

Number:

FRN: **0021268396** Date **06/20**

Submitted: /2019

Applicant Information

Applicant Name, Type, and Contact Information

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

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
Paul A. Cicelski , Esq . Lerman Senter PLLC	2001 L St NW Suite 400 Washington, DC 20036 United States	+1 (202) 416- 6756	pcicelski@lermansenter. com

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	See Exhibit A.

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	Retune Existing
	Use	Primary (Main)
	Ownership	Owned
	Owner	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	Harris
	Model	Power CD30D1
	Year	2005

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

Primary Transmitter

Retuning Transmitter Costs

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 Transmitter

Other Transmitter Costs

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	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 Transmitter Information not provided.

Other Transmitter Cost Not Listed

Auxiliary Transmitter

Add Transmitter Information

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?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	Diamond Digital
	Year	2009
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	7.25 kW

Auxiliary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	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 Transmitter

Other Transmitter Costs

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

Auxiliary

Other Transmitter Cost Not Listed

Transmitter Information not provided.

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?	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	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

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?	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	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)	277.0 kW
	Manufacturer	

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.

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?	No
New Antenna	Class	Full Power
Manufacturer and Type	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
	antenna to
	be used to
	stay on the
	air while the
	main
	antenna
	undergoes
	construction
	for the post-
	auction
	channel
	change.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	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 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 Line

Existing Transmission Line

on Line Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission	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

New Transmission Line

Primary
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	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.

Other Transmission Line Expenses Not Listed Primary

Transmission loine tion not provided.

Interim

New Transmission Line

Transmission	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
	Justification for New Transmission Line	Interim transmission line will feed the interim antenna.	

Interim Other Transmission Line Expenses Not Listed

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 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	Do you have a tower registration number?	Yes
Registration	ASR Number	1040514
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	30° 08' 25.0" N-
	Longitude (NAD83)	093° 58' 45.0" W-
	Overall Structure Height	1030.83 fe
	Support Structure Height	863.18 fee
	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

Tower Modification Costs

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

Tower Rigging Costs

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

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Other Costs	Other Costs

Outside Professional

Section	Question	Response
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	Prepare and file Form FCC Construction Permit Application	Yes
Services	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

Justification

N/A

N/A

Outside
Outside
Professional Services Expenses Not Listed
Professional Services © pstsided.

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	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.

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 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
	Component Description	Transmitter
	Component Description:	
		related cost. #51159-A
	Amount:	#51159-A \$18,182.43
	Amount.	φ10,102.43
Oual exciter system with shange 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
IOT Tubes	Information not provided.	
2" Rigid Conduit and Wiring	Information not provided.	
Cost per foot)		
JHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	Component Description:	Transmitter
	2 2paan 2 addilpham	Related Cost.
		#20008905
	Amount:	\$550.00
		4300.00
	Component Description:	Transmitter
		related cost.
		#20008872
	Amount:	\$595.38

Component Description: Security services,

cover letter

attached. #78403

Amount: N/A

Component Description: Transmitter

Related Cost.

#78403

Amount: \$2,068.66

Component Description: Lull Rental

Services, cover letter attached.

#5261

Amount: \$10,564.79

Component Description: Transmitter

related cost.

#20008880

Amount: \$595.38

Component Description: Transmitter cost.

#002059

Amount: \$106,907.89

Component Description: Transmitter

Related Cost.

#5261

Amount: \$10,564.79

Cost Information

Antennas

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

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

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description:	Antenna related expense discounted by
	Amount:	20.02%. #214005 \$8,236.34
Sweep test of existing antenna		
antenna	Component Description:	Antenna related
		cost reduced by
		20.02%. #274015
	Amount:	\$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	Component Description:	Discounted freight
or circularly polarized		cost for antenna
z. z zanan, ponanzoa		by 20.02%.
		#214017
	Amount:	N/A
	Component Description:	Total amount
		reduced by
		20.02%. #198006
	Amount:	\$174,616.33

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 \$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: Total amount

reduced by

20.02%. #47002

Amount: \$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: Rigid transmission

line.

Amount: \$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

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	\$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: Engineering

structural analysis.

#138030

Amount: \$2,750.00

Component Description: Engineering

structural analysis.

#145249

Amount: \$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-

173303

Amount: \$33,815.46

Component Description: Tower related cost.

#E-173303

Amount: \$33,815.46

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 Description: 30%

downpayment. #E-

149381

Amount: \$44,042.40

Component Description: Tower construction

cost. #E-149381

Amount: \$44,042.40

Tall Tower (greater than		
500')	Component Description:	27% final. #E-
		173391
	Amount:	\$41,106.24
	Component Description:	Tower related cost.
	Amount:	#78403 \$2,068.66
	Component Description:	Tower related cost.
	Amount:	#E-173391 \$41,106.24
	Component Description:	Tower related cost, 60% of the balance
	Amount:	of the order. #E173302 \$61,659.36
Other Costs	Component Description: Amount:	Other tower related cost. #79395 \$2,068.66
	Component Description: Amount:	Other tower related cost. #78192 \$2,068.66
	Component Description:	Tower related cost. #51794
	Amount:	\$3,680.42
	Component Description:	Other tower related

Amount:

\$316.63

Component Description: Other tower related

cost. #78956

Amount: \$2,068.66

Component Description: Tower related cost.

#78403

Amount: \$2,068.66

Component Description: Other tower related

cost. #79276

Amount: \$2,068.66

Component Description: Other tower related

cost. #78287

Amount: \$2,068.66

Component Description: Other tower related

costs. #78097

Amount: \$2,153.09

Component Description: Tower related cost.

#51596

Amount: \$2,000.00

Component Description: Tower related cost.

#1130.00SEP0518

Amount: \$1,130.00

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$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:	Portion of general repack matter invoice attributable to this station - divided by 93 stations.
	Amount:	\$20.91

repack matter invoice attributable to this station divided by 100 stations. #1093

Amount: \$269.71

Component Description: Legal Service Cost.

#467383

Amount: \$62.50

Component Description: Legal Service Cost.

#471526

Amount: \$172.70

Component Description: Portion of general

repack matter invoice attributable to this station divided by 98 stations. #1063

Amount: \$262.29

Component Description: Portion of general

repack matter invoice attributable to this station divided by 100 stations. #1098

Amount: \$238.07

Component Description: Portion of general

repack matter invoice attributable to this station divided by 100 stations. #1114

Amount: \$242.25

Component Description: Legal Service Cost.

#470871

Amount: \$438.75

Component Description: Portion of general

repack matter invoice attributable to this station divided by 100 stations. #1090

Amount: \$176.70

Component Description: Portion of general

repack matter invoice attributable to this station divided by 98 stations. #467861

Amount: \$470.30

Component Description: Portion of general

repack matter invoice attributable to this station divided by 93 stations.

Amount: \$999.04

Component Description: Portion of general

repack matter invoice attributable to this station divided by 100 stations. #471524

Amount: \$341.18

repack matter invoice attributable to this station divided by 100 stations. #470237

Amount: \$436.37

Component Description: Portion of general

repack matter invoice attributable to this station divided by 100 stations. #1099

Amount: \$266.93

Component Description: Portion of general

repack matter invoice attributable to this station divided by 100 stations. #473506

Amount: \$421.40

Component Description: Portion of general

repack matter invoice attributable to this station divided by 100 stations. #470923

Amount: \$406.65

Component Description: Portion of general

repack matter invoice attributable to this station divided by 99 stations. #469573

Amount: \$377.14

Component Description: Legal Service Cost.

#470276

Amount: \$182.50

Component Description: Legal Service Cost.

#472175

Amount: \$1,122.60

Component Description: Portion of general

repack matter invoice attributable to this station divided by 100 stations. #1111

Amount: \$159.58

Component Description: Legal Service Cost.

#472585

Amount: \$270.00

Component Description: Portion of general

repack matter invoice attributable to this station divided by 98 stations. #465173

Amount: \$654.26

Component Description: Portion of general

repack matter invoice attributable to this station divided by 98 stations. #1072

Amount: \$237.64

repack matter invoice attributable to this station divided by 98 stations. #1078

Amount: \$215.68

Component Description: Portion of general

repack matter invoice attributable to this station divided by 98 stations. #465001

Amount: \$596.30

Component Description: Portion of general

repack matter invoice attributable to this station divided by 93 stations.

Amount: \$32.35

Component Description: Portion of general

repack matter invoice attributable to this station divided by 98 stations. #461759

Amount: \$29.98

Component Description: Legal Service Cost.

#466695

Amount: \$120.00

repack matter invoice attributable to this station divided by 99 stations. #468718

Amount: \$349.51

Component Description: Portion of general

repack matter invoice attributable to this station divided by 93 stations.

Amount: \$43.72

Component Description: Portion of general

repack matter invoice attributable to this station divided by 98 stations. #1069

Amount: \$246.68

Component Description: Portion of general

repack matter invoice attributable to this station divided by 98 stations. #460326

Amount: \$801.57

Component Description: Portion of general

repack matter invoice attributable to this station divided by 98 stations. #1039

Amount: \$30.47

repack matter invoice attributable to this station divided by 98 stations. #1051

Amount: \$105.97

Component Description: Portion of general

repack matter invoice attributable to this station divided by 99 stations. #1086

Amount: \$275.35

Component Description: Portion of general

repack matter invoice attributable to this station divided by 98 stations. #466690

Amount: \$446.87

Component Description: Portion of general

repack matter invoice attributable to this station divided by 98 stations. #1045

Amount: \$185.10

Component Description: Portion of general

repack matter invoice attributable to this station divided by 98 stations. #1058

Amount: \$187.24

repack matter invoice attributable to this station divided by 98 stations. #467378

Amount: \$576.96

Component Description: Portion of general

repack matter invoice attributable to this station divided by 93 stations.

Amount: \$716.28

Component Description: Portion of general

repack matter invoice attributable to this station divided by 93 stations.

Amount: \$836.44

Component Description: Portion of general

repack matter invoice attributable to this station divided by 98 stations. #463567

Amount: \$566.48

Component Description: Portion of general

repack matter invoice attributable to this station divided by 98 stations. #464321

Amount: \$683.07

repack matter invoice attributable to this station divided by 100 stations. #1105

Amount: \$216.88

Component Description: Portion of general

repack matter invoice attributable to this station divided by 100 stations. #470321

Amount: \$198.52

Component Description: Portion of general

repack matter invoice attributable to this station divided by 93 stations.

Amount: \$86.88

Component Description: Legal services cost.

#468719

Amount: \$496.25

Component Description: Portion of general

repack matter invoice attributable to this station divided by 98 stations. #1079

Amount: \$177.14

repack matter invoice attributable to this station divided by 93 stations. #461289

Amount: \$91.50

Component Description: Portion of general

repack matter invoice attributable to this station divided by 93 stations.

Amount: \$20.65

Component Description: Portion of general

repack matter invoice attributable to this station divided by 98 stations. #1055

Amount: \$243.38

Component Description: Legal Service Cost.

#465180

Amount: \$657.50

Component Description: Portion of general

repack matter invoice attributable to this station divided by 93 stations.

Amount: \$943.95

Component Description: Legal service cost.

#467856

Amount: \$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 cost. #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: Amount:	Outside Engineering Service. #858-90- 0004 \$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:	Review and revise KFDM modification application.
	Amount:	\$180.70
	Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #461289
	Amount:	\$122.00
	Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #461759
	Amount:	\$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:	Information not provided.	
Prepare engineering section of FCC Form 2100, Construction Permit Application		

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: Amount:	Legal services cost. #461808 \$256.60
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	Component Description:	Legal services cost. #460945
	Amount:	\$172.50
	Component Description:	Legal services cost. #457846
	Amount:	\$263.30

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

stations.

Amount: \$152.01

Prepare engineering section of 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).

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 application	\$335.00	\$325.00	N/A	N/A	N/A
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	entestatus	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. Lucy Rutishauser CFO

06/20/2019

Section Question Response

Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).

- 1. The Authorized
 Person signing
 below certifies and
 represents that he
 /she is authorized to
 submit this TV
 Broadcaster
 Relocation Fund
 Reimbursement
 Form on behalf of
 the above-named
 entity.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.

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

- 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

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

Lucy Rutishauser CFO

06/20/2019

Attachments