

Federal Communications Commission

#### (REFERENCE COPY - Not for submission)

### FCC Form 399: Reimbursement Request

Facility ID: File	77451 00000	Service: DTV 28555	Call Sign:	КРТН	Channel: 30 (UHF)
Number:					
FRN: <b>00</b> 2	22764187	Date	05/17		
		Submitted:	/2019		

#### Applicant Name, Type, and Contact Information

#### Applicant Information

Applicant	Address	Phone	Email	Applicant Type
<b>KPTH LICENSEE, LLC</b> Doing Business As: KPTH 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	Preparer Contact Name and Information				
Contact Information	Applicant	Address	Phone	Email	
	Paul A. Cicelski , Esq . Lerman Senter PLLC	Paul A. Cicelski, Esq. 2001 L Street, NW Suite 400 Washington, DC	+1 (202) 429- 8970	pcicelski@lermansenter. com	
		20036 United States			

Broadcaster	Question	Response
Information and Transition Plan	Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	Yes
	Briefly describe transition plan	See Exhibit A.

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

Primary	Existing Transmitter Information				
Transmitter	Section	Question	Response		
	Existing Transmitter Description	Type of change	Purchase New		
		Use	Primary (Main)		
		Description of Use	N/A		
		Ownership	Owned		
		Owner	N/A		
		Site	N/A		
		Is this transmitter currently shared with another station?	No		
		Is this transmitter currently in operating condition?	Yes		
	Existing Transmitter	Manufacturer			
	Manufacturer and Type	Model	Quantum QDC2 ESC		
		Year	2006		
		Туре	Inductive Output Tube		
		IOT Power Type	Two		
		Power Capacity	60 kW		

#### **Existing Transmitter Information**

Primary	New Transmitter Costs				
Transmitter	Section	Question	Response		
	New Transmitter	Use	Primary (Main)		
		Change Type	Purchase New		
		Is this a request for upgraded equipment?	Yes		
		Manufacturer			
	Model THU9ev	THU9evo-48			
Transmitter Type	Transmitter Type	Solid State			
		Solid State Cooling	Liquid Cooled		
		Solid State Power capacity	73.5 kW		
		Justification for New Transmitter	Per the manufacturer, the current transmitter cannot be retuned. See Exhibit B.		

Primary	Other Transmitter Costs				
Transmitter	Section Question		Response		
	Electrical Service	Service Entrance (3 phases 800A 208V)	No		
		Switchgear (industrial 800 amp)	Yes		
		Transformer (480V)	Yes		
		Power	300 kVA		
		Rigid Conduit and Wiring	Yes		
		Size	2 inches		
		Length	800.0 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

Primary	Other Transmitter Cost Not Listed		
Transmitter	Name	Description	
	Other Costs	Other Costs	

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?	Yes	
		Is antenna in operating condition?	Yes	
		Is antenna located on or in close proximity to an antenna farm?	Yes	
	Existing Antenna	Class	Full Power	
	Manufacturer and Type	Mounting	Top Mount	
		Antenna position in stack	Тор	
		Polarization	Horizontal	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels	N/A	
		Design power capacity in use	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	1000.0 kW	

Manufacturer	
Model	ATW25H3- HTP1-49H
Year	2006

Primary	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	Yes	
		Ownership	Owned	
		Owner	N/A	
		Is antenna shared?	No	
		Is antenna directional?	Yes	
		Will antenna be located on or in close proximity to an antenna farm?	Yes	
	New Antenna Manufacturer and Types	Class	Full Power	
		Mounting	Top Mount	
		Antenna position in stack	Тор	
		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)	694.0 kW	
		Manufacturer		

Model	TFU-20ET /VP-R P21
Year	2017
Justification for New Antenna	Old antenna is a single channel antenna that canno be used fo 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<br/>Antenna Other Antenna Cost Not Listed Name Description Combiner output splitting or switching<br/>for dual feed lines Combiner output splitting/switching for dual<br/>feed lines

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?	Yes	
		Is antenna directional?	Yes	
		Will antenna be located on or in close proximity to an antenna farm?	Yes	
	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	3	
		Number of Panels/Bays	24	
		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)	300.0 kW	
		Manufacturer		
		Model	TFU-24WB- 1-R	
		Year	2017	

Interim antenna to be shared by three
stations to
stay on the
air while the
main
antenna
undergoes
construction
for the post-
auction
channel
change.

#### Interim Other Antenna Costs

Antenna

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	New
	Number of channels supported	3
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	No
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	В
	Feed Line Size	6 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

## Enter a list of RF channel numbers.

RF Cha	nnel Number
14	
30	
32	

## 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

#### Existing Transmission Line Primary Existing Transmission

smissio	n Line Section	Question	Response
	Existing Transmission Line Description	Type of change	Utilize Existing
		Use	Primary (Main)
		Description of Use	N/A
		Ownership	Owned
		Owner	N/A
		Site	N/A
Existing Transmission Line Manufacturer and Type		Is the existing transmission line shared with another station or stations?	No
		Is Transmission Line in operating condition?	Yes
	Line Manufacturer and	Manufacturer	ERI
		Туре	Rigid
		Diameter	6 1/8 inches
		Other Diameter	N/A
		Segment Length	Other
		Other Segment Length	18.4 feet
		Number of parallel runs	1
		Length	2118 feet per run

## Other Transmission Line Expenses Not Listed Transmission Line Description

Rigid Transmission Line - copper	Rigid Transmission Line - copper

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

Primary	Existing Tower

Primary 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?	Candelabra
		Is this tower currently shared with any other stations?	Yes
	Existing Tower Structure Registration	One or more FM, AM or TV radio broadcaster(s)	Yes
		Others Types of Users	No
		Is tower documented for structural analysis?	Yes
		Is tower compliant with Rev G?	No
		Do you have a tower registration number?	Yes
		ASR Number	1057963
	Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	42° 35' 12.0" N-
		Longitude (NAD83)	096° 13' 19.0" W-
		Overall Structure Height	1987.84 feet
		Support Structure Height	1847.09 feet
		Ground Elevation Above Mean Sea Level (AMSL)	1332.99 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Heartland Tower Company, L.L.C.
Date Constructed	02/22/2007

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

Facility ID	Call Sign	Service
66170	KTIV	DTV
39665	KMEG	DTV

### Primary Tower Modification Costs

Tower

Tower

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

#### Primary Tower Rigging Costs

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

Primary<br/>TowerOther Tower Expenses Not ListedInformation not provided.

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

#### **Other Expenses Not Listed**

Other	Other Expenses Not Listed		
Expenses	Name	Description	
	Equipment Storage	Equipment Storage	

#### Transmitters

#### Cost Information

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

	Predetermined	Estimated	Estimated Cost		Actual Cost
Description	Cost Estimate	Cost	Justification	Actual Cost	Justification
Primary Transmitter THU9evo-48	\$3,582,800.00	\$2,309,502.84		\$1,236,704.99	
Switchgear - industrial 800 amp	\$38,200.00	\$51,736.50	See attached Mitchell Electric quote #22658.	\$8,330.34	N/A
UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW	\$1,999,000.00	\$1,946,000.00	N/A	\$1,207,694.75	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$210,029.84	***System Notice: Estimate adjusted and locked because line has been superseded. ***See Response to August 11 Inquiry.	\$7,120.86	N/A
Other Costs	\$15,000.00	\$15,000.00	Updated cost of the estimated amount per FCC requirement.	\$13,559.04	N/A

Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	N/A	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$20,800.00	\$51,736.50	See attached Mitchell Electric quote #22658.	N/A	N/A
Sub-total	\$3,582,800.00	\$2,309,502.84	N/A	\$1,236,704.99	N/A
Total for all systems	\$5,826,127.44	\$4,482,607.78	N/A	\$2,309,185.96	N/A

#### Components

Actual Information Description	File Name	
Switchgear - industrial 800 amp	Component Description:	Transmitter related cost reduced by
	Amount:	20.02%. #230008 \$1,494.02
	Component Description:	Transmitter related cost, #INV-11883
	Amount:	\$4,149.00
	Component Description:	Transmitter switch related cost discounted by
	Amount:	20.02%. #213011 \$2,687.32

UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW	Component Description: Amount:	Transmitter related cost. #002153 \$302,552.00
	Component Description:	Transmitter related cost. #002152
	Amount:	\$20,427.00
	Component Description:	Transmitter cost, 75% plus tax. #9500081385
	Amount:	\$840,632.75
	Component Description:	Transmitter cost, 25% down upgrade excluded. #9500075318
	Amount:	\$44,083.00
UHF - Liquid Cooled Solid		
State Transmitter 35 - 50 kW	Component Description:	Fork lift rental. #155690796-001
State Transmitter 35 - 50	Component Description: Amount:	Fork lift rental. #155690796-001 \$1,276.51
State Transmitter 35 - 50		#155690796-001
State Transmitter 35 - 50	Amount:	#155690796-001 \$1,276.51 Disposal costs associated with the
State Transmitter 35 - 50	Amount: Component Description:	#155690796-001 \$1,276.51 Disposal costs associated with the transmitter. #2748
State Transmitter 35 - 50	Amount: Component Description: Amount:	#155690796-001 \$1,276.51 Disposal costs associated with the transmitter. #2748 \$448.74 Roll of dumpster and disposal cost.
State Transmitter 35 - 50	Amount: Component Description: Amount: Component Description:	#155690796-001 \$1,276.51 Disposal costs associated with the transmitter. #2748 \$448.74 Roll of dumpster and disposal cost. #2103

	Component Description: Amount:	Transmitter downpayment. #9500075318 \$202,908.98
	Component Description:	Transmitter related cost for rental. #8543
	Amount:	\$3,852.00
	Component Description:	Roll off dumpster and disposal cost. #2017
	Amount:	\$319.41
	Component Description:	Roll off dumpster and disposal cost. #2193
	Amount:	\$303.31
Other Costs	Component Description:	Security services related to the
	Amount:	transmitter. #24659 \$5,084.64
	Component Description:	Security services related to the transmitter. #24710
	Amount:	\$3,954.72
	Component Description:	Security services attributed to the transmitter. #24610
	Amount:	\$4,519.68
Transformer 3 phase/480v - 300 KVA	Information not provided.	

2" Rigid Conduit and Wiring	Information not provided.
(Cost per foot)	

#### 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-24WB- 1-R	\$362,780.00	\$356,400.00		\$17,118.72	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,118.72	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$80,000.00	N/A	\$12,000.00	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$13,000.00	N/A	\$0.00	N/A

Power, Sidefrom the Widelityitems be Munt, Droadband panel, 24 bay, 300from the Munt, Catalog, however, the cost directional, elliptically polarizedfrom the Meport Catalog, however, the cost erroneously elliptically polarized antenna. Shared with KMEG antennaitems the cost erroneously elliptically polarizedPrimary Antenna TFU-20ETT VP-R P210\$608,530.00 \$6,730.00\$599,600.00 \$6,400.00N/A\$333,534.14 \$55,118.72NUHF - High Nount (200- t000 kW), One station antenna\$68,730.00 \$281,500.00N/A\$208,335.46 \$281,500.00N/AUHF - High Power Top Mount (200- t000 kW), One station antenna\$300,000.00N/A\$120,079.96N						
Antenna TFU-20ETT /VP-R P210\$6,730.00\$6,400.00N/A\$5,118.72NSweep test of existing antenna\$6,730.00\$6,400.00N/A\$5,118.72NUHF - High Power Top Mount (200- 1000 kW), One station antenna , elliptically or circularly polarized\$289,500.00\$281,500.00N/A\$208,335.46NCombiner output\$300,000.00\$300,000.00N/A\$120,079.96N	Power, Side Mount, broadband panel, 24 bay,, 300 kW input, directional,, elliptically or circularly	\$235,000.00	\$235,000.00	from the Widelity Report Cost Catalog, however, the cost erroneously did not pre- fill in the instant application section based on the 24-bay, 60 kW, directional, elliptically polarized antenna. Shared with KMEG	\$0.00	Second item should be removed.
of existing antennaUHF - High Power Top Mount (200- 1000 kW), One station antenna , elliptically or circularly polarized\$289,500.00\$281,500.00\$X/A\$208,335.46NCombiner output\$300,000.00\$300,000.00N/A\$120,079.96N	Antenna TFU-20ETT	\$608,530.00	\$599,600.00	and KIIV.	\$333,534.14	
Power Top         Mount (200-         1000 kW),         One         station         antenna ,         elliptically         or circularly         polarized         Combiner         \$300,000.00         \$300,000.00         N/A         \$120,079.96	of existing	\$6,730.00	\$6,400.00	N/A	\$5,118.72	N/A
output output	Power Top Mount (200- 1000 kW), One station antenna , elliptically or circularly	\$289,500.00	\$281,500.00	N/A	\$208,335.46	N/A
splitting or switching for dual feed lines	polarizeu					

Elbow complex, single channel, at antenna input, per 6 1/8.	\$12,300.00	\$11,700.00	N/A	N/A	N/A
feedline (if needed)					
Sub-total	\$971,310.00	\$956,000.00	N/A	\$350,652.86	N/A
Total for all systems	\$5,826,127.44	\$4,482,607.78	N/A	\$2,309,185.96	N/A

#### Components

Actual Information Description	File Name	
Sweep test of existing antenna	Component Description: Amount:	Antenna related cost reduced by 20.02%. #331009 \$5,118.72
	Component Description: Amount:	This cost represents the 1/3 allocation to KPTH for its share of the antenna. \$758.33
New combiner, cost per channel (without antenna)	Component Description: Amount:	Antenna related cost. #QC19-007 \$12,000.00
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	

at antenna input, per 6 1/8. feedline (if needed)	Component Description: Amount:	This cost represents the 1 allocations to KPTH for its share of the antenna. \$560.00
UHF - High Power, Side		
Mount, broadband panel, 24	Component Description:	This cost
bay,, 300 kW input,		represents the 1
directional,, elliptically or		allocation to
circularly polarized		KPTH for its
		share of the
		antenna.
	Amount:	\$57,672.67
	Component Description:	Total amount
		reduced by
		20.02%. #19500
	Amount:	\$148,253.32
Sweep test of existing		
antenna	Component Description:	Antenna related
		cost reduced by
		20.02%. #32301
	Amount:	\$5,118.72

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	Component Description:	Updated UHF Antenna related cost. This is the newest version and all other versions should
	Amount:	be deleted. #195001 \$133,856.92
	Component Description:	Antenna related cost reduced by
	Amount:	20.02%. #317002 \$4,285.72
	Component Description:	Antenna related cost reduced by 20.02%. #318010
	Amount:	\$3,423.52
	Component Description:	Antenna related cost reduced by 20.02%. #345012
	Amount:	\$2,748.91
	Component Description:	Antenna related cost reduced by 20.02%. #29500
	Amount:	\$52,142.16
	Component Description:	Antenna related cost reduced by 20.02%. #274003
	Amount:	20.02%. #27400. \$16,163.95
	Component Description:	Antenna related cost reduced by 20.02%. #19500 <sup>-</sup>
	Amount:	\$148,253.32

Combiner output splitting or switching for dual feed lines	Component Description:	Antenna related cost reduced by 20.02%. #212010
	Amount:	\$117,906.51
	Component Description:	Antenna related cost reduced by 20.02%. #273027
	Amount:	\$2,173.45
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.	

#### **Transmission Line**

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$48,000.00	\$48,000.00		\$47,664.80	
Rigid Transmission Line - copper	\$48,000.00	\$48,000.00	Due to the associated costs represented in the invoice.	\$47,664.80	The second item can be deleted.
Sub-total	\$48,000.00	\$48,000.00	N/A	\$47,664.80	N/A
Total for all systems	\$5,826,127.44	\$4,482,607.78	N/A	\$2,309,185.96	N/A

#### Components

Actual Information Description	File Name	
Rigid Transmission Line - copper	Component Description:	Updated invoice of transmission line related cost. #219004
	Amount:	\$47,664.80
	Component Description: Amount:	Transmission line related cost reduced by 20.02%. #219004 \$47,664.80
	Amount:	

# **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	\$862,000.00	\$819,000.00		\$614,215.01	
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	\$138,691.01	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$400,000.00	N/A	\$463,524.00	Last item should be removed as we've uploaded updated file.
Structural engineering tower load study for a documented tower with candelabra	\$20,000.00	\$19,000.00	N/A	\$12,000.00	N/A
Sub-total	\$862,000.00	\$819,000.00	N/A	\$614,215.01	N/A
Total for all systems	\$5,826,127.44	\$4,482,607.78	N/A	\$2,309,185.96	N/A

#### Components

Actual Information	
Description	File Name

	Component Description:	Tower related co #157358238-005
	Amount:	\$640.10
	Component Description:	Tower related co
	Amount:	#7519 \$34,775.00
	Component Description:	Tower related co
	Amount:	#7566 \$37,450.00
	Component Description:	Tower related co
	Amount:	#7458 \$38,787.50
	Component Description:	Tower related co
	Amount:	#7459 \$4,568.41
	Component Description:	Tower related co
	Amount:	#7439 \$6,420.00
	Component Description:	Tower related co #7438
	Amount:	\$16,050.00
Complex Tower (includes	Component Description:	Tower related co
Complex Tower (includes, for example, those with	• •	#7417
	Amount:	\$15,515.00
for example, those with candelabras and/or stacked	Amount: Component Description:	

Component Description: Amount:	Tower related cost updated 3. #7336 \$170,814.80
Component Description: Amount:	3rd payment of PO #9761. #7336 \$170,814.80
Component Description: Amount:	2nd payment of PO #9761. #7302 \$85,407.40
Component Description: Amount:	Tower related cost updated 2. #7302 \$85,407.40
Component Description: Amount:	Tower related cost updated 1. #7248 \$85,407.40
Component Description: Amount:	4th payment of PO #9761. #7365 \$17,120.00
Component Description:	This invoice is 1/2 of the "\$159,645.00" downpayment.
Amount:	#7248 \$85,407.40
Component Description: Amount:	Tower related expense. #8136 \$3,852.00

	Component Description: Amount:	Incremental payment number for tower related cost. #7382 \$85,407.40
Structural engineering		
tower load study for a documented tower with	Component Description:	Engineering towe analysis.
candelabra	Amount:	\$6,000.00
	Component Description:	Tower analysis.
	Amount:	\$6,000.00

## **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	\$216,697.50		\$36,772.26	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,947.50	check invoice	\$2,947.50	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	\$3,400.00	N/A
Project management of the transition	\$74,260.00	\$70,500.00	N/A	\$23,030.05	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	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - 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	\$221.92	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
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$2,700.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$2,447.79	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 engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,025.00	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	\$216,697.50	N/A	\$36,772.26	N/A
Total for all systems	\$5,826,127.44	\$4,482,607.78	N/A	\$2,309,185.96	N/A

## Components

Actual Information Description	File Name	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Component Description: Amount:	Outside consulting engineering costs. #878-55-0004 \$2,947.50
Comprehensive coverage verification via field study, if needed	Component Description: Amount:	Coverage related cost. #187005 \$3,400.00
Project management of the transition	Component Description: Amount:	Legal services cost. #460939 \$115.00

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. #1114 \$242.25
Component Description: Amount:	Legal Service Cost. #472591 \$2,347.15
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #467861 \$470.30

Component Description: Amount:	Legal Service Cost. #465186 \$297.50
Component Description:	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 98 stations. #466690 \$446.87
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #467378 \$576.96
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 99 stations. #1086
Amount:	\$275.35

Component Description: Amount:	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 100 stations. #1111 \$159.58
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. #1098 \$238.07
Component Description: Amount:	Legal Service Cost. #470876 \$241.25

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #471524 \$341.18
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #473506 \$421.40
Component Description: Amount:	Legal Service Cost. #471532 \$436.25
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #470237 \$436.37
Component Description: Amount:	Legal Service Cost. #470282 \$475.00
Component Description: Amount:	Legal Service Cost. #472180 \$965.00

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #470321 \$198.52
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #470923 \$479.53
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 99 stations. #469573 \$446.03
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #1099 \$266.93
Component Description: Amount:	Legal Service Cost. #472995 \$115.00

Component Description: Amount:	Legal services cost. #463577 \$185.45
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$731.72
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$955.89
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1072 \$237.64
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$912.81

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #453686 \$943.95
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 100 stations. #1090 \$176.70
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #457331 \$836.44

Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 99 stations. #468718 \$349.51
Component Description: Amount:	Legal Service Cost. #469586 \$501.25
Component Description: Amount:	Legal Service Cost. #466701 \$57.50
Component Description: Amount:	Legal services cost. #467389 \$245.20
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1051 \$105.97
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #457851
Amount:	\$818.59

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$43.72
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1078 \$215.68
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 stations. #1045 \$185.10
Component Description: Amount:	Legal services cost. #464700 \$297.90

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #453972 \$716.28
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1058 \$187.24
Component Description: Amount:	Legal services cost. #461802 \$325.68
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. Previous balance of invoice #453686. \$999.04
Component Description: Amount:	Legal Service Cost. #467897 \$50.00

Component Description: Amount:	Legal services cost. Interest accrued excluded. #461802 \$319.30
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1079 \$177.14
Component Description: Amount:	Legal services cost. #464358 \$82.30
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1039 \$30.47
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations.
Amount:	\$32.35

Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #1093 \$269.71
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #1010 \$86.88
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1055 \$243.38
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1069 \$246.68
Component Description: Amount:	Legal services cost. #457852 \$453.30

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1063 \$262.29
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. Previous balance of invoice #1012. \$86.88
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #463026 \$801.57
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #461759 \$29.98

	Component Description:	Portion of genera repack matter invoice attributable to this station - divided by 93 stations.
	Amount:	\$20.65
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	Information not provided.	
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	Information not provided.	
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.	

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	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.	
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	Consulting engineering cost. \$2,700.00

Prepare and or review		
reimbursement form	Component Description:	Legal services
		cost.
	Amount:	\$115.00
	Component Description:	Portion of general repack matter invoice
		attributable to this station - divided by 93 stations.
	Amount:	\$152.01
	Component Description:	Portion of general
		repack matter invoice
		attributable to this station - divided
		by 98 stations.
	Amount:	#461759 \$869.30
		<i>•••••••</i>
	Component Description:	Portion of general repack matter
		invoice attributable to this
		station - divided
		by 93 stations. #461289
	Amount:	\$1,311.48
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare engineering section of FCC Form 2100 (main),		
Construction Permit	Component Description:	Consulting
Application	Amount:	engineering cost. \$2,025.00
		<i>+_,,-</i>
Prepare engineering section	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	\$133,972.44	\$133,407.44		\$23,176.04	
Equipment Delivery and Handling Charges	\$20,276.44	\$20,276.44	See Exhibit J.	\$20,276.44	N/A
Equipment Storage	\$10,000.00	\$10,000.00	N/A	\$299.60	N/A
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 11 Inquiry.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$28,566.00	\$28,566.00	See Response to August 11 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

DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$2,600.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
Sub-total	\$133,972.44	\$133,407.44	N/A	\$23,176.04	N/A
Total for all systems	\$5,826,127.44	\$4,482,607.78	N/A	\$2,309,185.96	N/A

# Components

Actual Information Description	File Name	
Equipment Delivery and Handling Charges	Component Description:	Equipment delivery related costs reduced by 20.02%. #320013
	Amount:	\$4,214.83
	Component Description:	Equipment delivery related
	Amount:	cost. #8849 \$3,852.00
	Component Description:	Equipment delivery related
	Amount:	costs. #301046 \$12,209.61

Equipment Storage		
	Component Description:	Equipment storage cost.
	Amount:	#170028 \$149.80
	Component Description:	One month of equipment
	Amount:	storage. #16933 \$149.80
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	
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.	
DTV Medical Facility		
Notification	Component Description:	Medical notification mailing. #1044
	Amount:	\$2,600.00
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$5,826,127.44	\$4,482,607.78	\$2,309,185.96

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.	
		<ol> <li>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.</li> <li>The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.</li> </ol>	

- 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 05/17/2019

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).	
		<ol> <li>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.</li> </ol>	
		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 thorized representative of the above- d applicant for the Authorization(s) ied above.	Lucy Rutishauser CFO 05/17/2019

# Attachments