

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: File	34196 00000	Service: DTV 26906	Call Sign:	WKHA	Channel: 33 (UHF)
Number:					
FRN: 000	1790583	Date	10/09		
		Submitted:	/2019		

Applicant Name, Type, and Contact Information

Applicant Information

Applicant	Address	Phone	Email	Applicant Type
KENTUCKY AUTHORITY FOR EDUCATIONAL TV Doing Business As: KENTUCKY AUTHORITY FOR EDUCATIONAL TV	Shae Hopkins 600 COOPER DR LEXINGTON, KY 40502 United States	+1 (859) 258- 7000	SHOPKINS@KET. ORG	Government Entity

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Name and Information					
Applicant	Address	Phone	Email		
Greg Best	16100 Outlook	+1 (816) 792-	gbconsulting54@gmail.		
Consulting Engineer	Avenue	2913	com		
Greg Best Consulting,	Stilwell, KS 66085				
Inc.	United States				
	Applicant Greg Best Consulting Engineer Greg Best Consulting,	ApplicantAddressGreg Best16100 OutlookConsulting EngineerAvenueGreg Best Consulting,Stilwell, KS 66085	ApplicantAddressPhoneGreg Best16100 Outlook+1 (816) 792-Consulting EngineerAvenue2913Greg Best Consulting,Stilwell, KS 66085		

Broadcaster	Question	Response
Information and Transition Plan	Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
	Briefly describe transition plan	Please see attached repack plan exhibit.

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	DHD20P1			
		Year	2001			
		Туре	Solid State			
		Solid State Cooling	Air Cooled			
		Solid State Power Capacity	5 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?	No			
		Manufacturer				
		Model	Maxiva UAXTE-8			
		Transmitter Type	Solid State			
		Solid State Cooling	Air Cooled			
		Solid State Power capacity	5 kW			
		Justification for New Transmitter	Pre-auction transmitter no longer supported by supplier; not re- tunable.			

Primary	Other Transmitter Costs					
Transmitter	Section	Question	Response			
	Electrical Service	Service Entrance (3 phases 800A 208V)	Yes			
		Switchgear (industrial 800 amp)	Yes			
		Transformer (480V)	No			
		Power	N/A			
		Rigid Conduit and Wiring	Yes			
		Size	3 inches			
		Length	50.0 feet			
		Other Electrical Service	No			

	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Other Transmitter Cost Not Listed

Primary Other Transmitter Co Transmitter Information not provided.

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

Primary	Existing Antenna Information				
Antenna	Section	Question	Response		
	Existing Antenna Description	Type of change	Purchase New		
		Antenna Use	Primary (Main)		
		Description of Use	N/A		
		Ownership	Owned		
		Owner	N/A		
		Site	N/A		
		Is the existing antenna shared with another station or stations?	No		
		Is the existing antenna directional?	Yes		
		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	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)	38.2 kW		

	Manufacturer	
	Model	TFU-20JTH- R S170
	Year	2015

Primary	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	Yes	
		Ownership	Owned	
		Owner	N/A	
		Is antenna shared?	No	
		Is antenna directional?	No	
		Will antenna be located on or in close proximity to an antenna farm?	No	
	New Antenna	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)	55.9 kW	
		Manufacturer		
			1	

Model	ATW22H4- ETO-33H
Year	2017
Justification for New Antenna	Primary antenna is not broadband or able to be tuned to a new channel.

Primary 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
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Primary Other Antenna Cost Not Listed

Antenna Information not provided.

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

ransmissio	Section	Question	Response
	Existing Transmission Line Description	Type of change	Purchase New
		Use	Primary (Main)
		Description of Use	N/A
		Ownership	Owned
		Owner	N/A
		Site	N/A
		Is the existing transmission line shared with another station or stations?	No
		Is Transmission Line in operating condition?	Yes
	Existing Transmission	Manufacturer	
Line Manufacturer and Type		Туре	Rigid
		Diameter	6 1/8 inches
		Other Diameter	N/A
		Segment Length	Broadband
		Other Segment Length	N/A
		Number of parallel runs	0
		Length	560 feet per run

Primary Existing Transmission Line

Primary	New Transmission Line			
Transmissio	Section	Question	Response	
	New Transmission Line Costs	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	No	
		Туре	Rigid	
		Diameter	6 1/8 inches	
		Other Diameter	N/A	
		Segment Length	Broadband	
		Other Segment Length	N/A	
		Number of parallel runs	0	
		Length	560 feet per run	
		Justification for New Transmission Line	For those sites that already have 6 1/8 broadband line, a section or two of additional line is needed to connect to the antenna /elbow complex.	

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

Existing Tower

Primary	Existing Tower			
Tower	Section	Question	Response	
	Existing Tower	Type of change	Modify Existing	
	Description	Tower Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		Is this tower consider Complex?	No	
		Is this tower currently shared with any other stations?	Yes	
		One or more FM, AM or TV radio broadcaster(s)	Yes	
		Others Types of Users	No	
		Is tower documented for structural analysis?	No	
		Is tower compliant with Rev G?	No	
	Existing Tower Structure Registration	Do you have a tower registration number?	Yes	
		ASR Number	1044020	
	Coordinates (NAD83 (Latitude (NAD83)	37° 11' 35.0" N-	
	North American Datum of 1983))	Longitude (NAD83)	083° 11' 17.0" W-	
		Overall Structure Height	606.62 feet	
		Support Structure Height	559.38 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	1997.02 feet	
		Structure Type	TOWER - Free Standing or Guyed Structure	

Tower Owner	KENTUCKY AUTHORITY FOR EDUCATIONAL TELEVISION DBA = WKHA
Date Constructed	01/01/1968

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	
18306	WEKH	FM	

Primary Tower Modification Costs

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

Primary Tower Rigging Costs

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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	
	Load Study	Structural engineering tower load study is required to design tower reinforcements and rigging.	

Outside Professional	Section	Question	Response
	Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	80
		Explanation	KET Staff require outside services to manage the upgrades.
	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	No
		For Main Facility	Yes
		Prepare engineering section of Form FCC License to Cover Application	Yes
		For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare request for Special Temporary Authority	Yes
		Quantity	1
		Do you have Distributed Transmission System engineering services?	N/A
		Critical Facility	N/A
		Terrain-Shielded Facility	N/A
	Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
	Services	For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare and file Form FCC License to Cover Application	Yes

	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	No
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Professional Services Costs		Description	
	Progress and Transition Reports	Engineering Fees	

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	No
		Non-zoning permits	No
		BLM or NFS Coordination	No
		FCC Construction Permit Minor Change	No
		FCC License to Cover Application	No
		FCC Special Temporary Authority Application	No
	Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
		Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	No
		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

Other	Other Expenses Not Listed		
Expenses	Name	Description	
	Internal Labor	FCC Reimbursement Clerk hired for repack reimbursement ONLY	

Transmitters

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter Maxiva UAXTE-8	\$291,700.00	\$287,356.50		\$151,122.63	
3" Rigid Conduit and Wiring (Cost per foot)	\$2,600.00	\$2,450.00	N/A	N/A	N/A
UHF - Air Cooled Solid State Transmitter 4 - 6 kW	\$236,500.00	\$225,000.00	N/A	\$127,516.13	N/A
Service entrance 3 phase/800 amp/208 volt volt	\$14,400.00	\$23,606.50	Actual costs exceeded estimated costs. Quotes for electrical work attached to invoice 3750. Quotes obtained AFTER 399 was created.	\$23,606.50	Actual costs exceeded estimated costs. See attached quote. Quotes were obtained after 399 was created.
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Sub-total	\$291,700.00	\$287,356.50	N/A	\$151,122.63	N/A

Components

Actual Information Description	File Name	
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
UHF - Air Cooled Solid State Transmitter 4 - 6 kW	Component Description: Amount:	transmitter \$127,153.25
	Component Description: Amount:	eComm admin and support, distribution services at time of bidding GatesAir (RFP-48- 19) \$362.88
Service entrance 3 phase /800 amp/208 volt	Component Description:	KET Transmitter
	Amount:	building electrical upgrade \$17,981.50
	Component Description:	KET Transmitter building electrical upgrade
	Amount:	\$200.00
	Component Description:	KET Transmitter building electrical upgrade
	Amount:	\$1,540.00

	Component Description:	KET transmitter building electrical upgrade
	Amount:	\$1,900.00
	Component Description:	KET Transmitter building electrical upgrade
	Amount:	\$530.00
	Component Description:	eComm admin and support, distribution services at time of bidding KLH (RFB-183-19)
	Amount:	\$375.00
	Component Description: Amount:	KET Transmitter building electrical upgrade \$105.00
	Component Description: Amount:	KET Transmitter building electrical upgrade \$705.00
	Component Description:	KET Transmitter building electrical upgrade
	Amount:	\$270.00
Switchgear - industrial 800 amp	Information not provided.	

Antennas

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna ATW22H4- ETO-33H	\$308,530.00	\$266,660.00		\$191,962.20	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$11,700.00	N/A	N/A	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$235,000.00	Cost estimate adjusted for reimbursement of horizontal- polarized antenna like the pre-repack primary antenna.	\$172,002.42	N/A

Sweep	\$6,730.00	\$19,960.00	Transition	\$19,959.78	More than
test of	<i>+-,</i>		requires two	-	two sweeps
existing			sweeps of		were
antenna			transmission		required to
			equipment.		confirm the
			Please see		performance
			attached		of the
			Repack Plan		existing
			Exhibit for		transmission
			details. The		line, before it
			additional cost		was
			for sweep is		disconnected
			due to using		from the
			existing line		current DTV
			for the interim		antenna
			services that		
			required		
			sweep testing		
			before using.		
Sub-total	\$308,530.00	\$266,660.00	N/A	\$191,962.20	N/A
Total for all systems	\$1,116,511.00	\$1,240,907.00	N/A	\$851,755.25	N/A

Components

Actual Information Description	File Name
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically	Component Description:	antenna - 50% (less vertical
or circularly polarized	Amount:	polarization component) \$85,629.33
	Component Description:	antenna (less vpol component) 10%
	Amount:	\$17,125.86
	Component Description:	antenna (less vpol
	Amount:	component) 5% \$8,562.94
	Component Description:	antenna - 35%
		(less vertical polarization
	Amount:	component) \$59,940.54
	Component Description:	Antenna and Line Spec
	Amount:	\$437.50
	Component Description:	Antenna gain and
		TPO evaluation and revision of
	Amount:	specifications \$306.25

Sweep test of existing antenna	Component Description: Amount:	system sweep - 50% \$9,979.89
	Component Description: Amount:	sweep test 10% \$1,995.98
	Component Description: Amount:	sweep test 5% \$997.99
	Component Description:	system sweep - 35%
	Amount:	\$6,985.92

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	\$0.00	\$32,046.00		\$32,045.35	
Rigid Transmission Line - copper, 6 1 /8" broadband	\$0.00	\$32,046.00	For those sites that already have 6 1/8" broadband line, a section or two of additional line is needed to connect to the antenna /elbow complex.	\$32,045.35	N/A
Sub-total	\$0.00	\$32,046.00	N/A	\$32,045.35	N/A
Total for all systems	\$1,116,511.00	\$1,240,907.00	N/A	\$851,755.25	N/A

Components

Actual Information
Description File Name

Rigid Transmission Line - copper, 6 1/8" broadband	Component Description: Amount:	transmission line (50%) \$16,022.68
	Component Description:	transmission line 5%
	Amount:	\$1,602.26
	Component Description:	transmission line 10%
	Amount:	\$3,204.54
	Component Description:	transmission line (35%)
	Amount:	\$11,215.87

Tower Equipment and Rigging Costs

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$406,800.00	\$552,000.00		\$434,058.75	
Tall Tower (greater than 500')	\$210,500.00	\$365,000.00	KET obtained quotation of realistic scope of tower rigging work from reputable supplier. Please see attached Tower Work exhibit.	\$283,374.37	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	\$143,184.38	N/A
Load Study	\$12,000.00	\$12,000.00	Structural engineering tower load study is required to design tower reinforcements and rigging.	\$0.00	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$25,000.00	N/A	\$7,500.00	N/A

Sub-total	\$406,800.00	\$552,000.00	N/A	\$434,058.75	N/A
Total for all systems	\$1,116,511.00	\$1,240,907.00	N/A	\$851,755.25	N/A

Components

Description	File Name	
Tall Tower (greater than		
500')	Component Description:	installation
		services 35%
	Amount:	\$98,641.97
	Component Description:	installation (EQ0()
	Component Description: Amount:	installation (50%)
	Amount.	\$140,917.10
	Component Description:	installation
		services 5%
	Amount:	\$14,091.71
	Component Description:	installation
		services 10%
	Amount:	\$28,183.42
	Component Description:	eComm
		admnistration and
		support, and
		distribution
		services at the
		time of bidding -
		Electronics
		Research Inc
		contract
	Amount:	\$1,540.17

Minor tower reinforcement		
/modifications	Component Description:	Bid Phase Only - RFB-198-18 billed for rebid distribution services only (Allstate Tower contract) \$46.88
	Component Description:	Tower Modification
	Amount:	\$142,500.00
	Component Description:	Master Agreement
		for eComm administration and
		support,
		distribution
		services at time of
		bidding
		ATTACHED
		Allstate Tower
		contract
	Amount:	\$637.50
Load Study		
	Component Description:	Geotechnical
		Studies
	Amount:	\$2,310.00
		• • •

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Component Description: Amount:	Foundation Mapping \$3,500.00
	Component Description: Amount:	Tower Mapping \$1,023.00
	Component Description: Amount:	Mapping Completion \$7,500.00
	Component Description:	TIA Tower Inspections and Load Audits \$1,189.00
		ψι,100.00

Outside Professional Services

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$69,980.00	\$69,893.50		\$15,175.90	
Project management of the transition	\$12,640.00	\$12,000.00	KET Staff require outside services to manage the upgrades.	\$667.03	N/A
Progress and Transition Reports	\$4,000.00	\$4,000.00	Engineering consultant costs not otherwise listed.	\$262.50	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	KET requires RFR study of this site with co- located broadcast facilities.	N/A	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

Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	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	\$2,186.00	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
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,070.00	N/A	\$3,062.50	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$896.87	N/A
Prepare and or review reimbursement form	\$2,630.00	\$4,300.00	Additional engineering was required during the antenna design phase.	\$4,287.50	N/A

Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$4,023.50	actual legal fees for phase 3 exceeded estimated costs	\$3,813.50	actual costs exceed estimated costs for this category of professional services
Sub-total	\$69,980.00	\$69,893.50	N/A	\$15,175.90	N/A
Total for all systems	\$1,116,511.00	\$1,240,907.00	N/A	\$851,755.25	N/A

Components

Actual Information	
Description	File Name

Project management of the transition	Component Description:	project
		management
	Amount:	\$43.75
	Component Description:	Project
	Component Decemption	-
	_	Management Tasks
	Amount:	\$43.75
	Component Description:	project
		management
	Amount:	\$43.75
	Component Description:	project
		management
	Amount:	\$175.00
	Amount.	φ173.00
	Component Description:	project
		management
	Amount:	\$87.50
	Component Description:	travel expenses
	Amount:	\$10.78
	Component Description:	project
		management tasks
	Amount:	\$87.50
	Component Description:	project
		management
	Amount:	\$175.00

Progress and Transition Reports	Component Description: Amount:	quarterly progres report \$87.50
	Component Description: Amount:	quarterly progres report \$175.00
RF Exposure Measurements	Information not provided.	
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.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Fourth Installmen \$346.50
	Component Description:	Second Attorney Fee
	Amount:	\$839.00
	Component Description:	Fifth Installment
	Amount:	\$320.50
	Component Description:	Third Installment
	Amount:	\$191.50
	Component Description:	First Installment Attorney
	Amount:	\$99.00
	Component Description: Amount:	Sixth Installment \$389.50
Prepare engineering section of FCC Form 2100	Information not provided.	
(main), License to Cover Application		

section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	First Installment \$1,750.00
	Component Description:	New antenna and
	Amount:	line specs \$87.50
	Component Description:	Hitachi and GatesAir response review, new antenna and line
	Amount:	specs \$525.00
	Component Description:	Antenna and transmission line bid spec review and bid response review
	Amount:	\$700.00
Perform engineering study for new channel assignment and antenna development	Component Description:	Review of site documentation an antennas, facility planning
	Amount:	\$459.37
	Component Description:	linked station analysis
	Amount:	\$175.00
		Linked station
	Component Description:	neighbor analysis see attached lette

399 form response and support \$2,712.50 First Installment \$49.50 progress report
\$49.50
\$49.50
progress report
email, timing of phase 3, permit expiration deadline and status, planning, review, emailing
\$663.00
phase 3 deadline emails and followu \$198.00
repack phase 3 legal fees
\$1,402.50
repack phase 3

Component Description: Amount:	prepare email re: upcoming repack deadlines; research and analysis re: PSA scripts \$210.00
Component Description: Amount:	Phase 3 repack; COALS database with MVPD notices; analysis re: repack status \$1,150.50
Component Description:	public notice; analysis re: linked station set and upstream and downstream dependencies \$140.00

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	\$39,501.00	\$32,951.00		\$27,390.42	
DTV Medical Facility Notification	\$11,550.00	\$5,000.00	GBC estimate based on known quotations	\$1,587.50	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$0.00	\$0.00	KET estimate based on known costs. WKHA is located in an area difficult to access.	N/A	N/A
Equipment Storage	\$500.00	\$500.00	GBC estimate	N/A	N/A
MVPD Notification of Channel Change	\$1,500.00	\$1,500.00	KET estimate to search for and notify all cable companies.	\$1,418.75	N/A
Internal Labor	\$2,000.00	\$2,000.00	N/A	\$434.03	N/A

Develop and air announcement of upcoming channel change	\$23,951.00	\$23,951.00	In order to run a notification crawl to viewers, it was necessary for KET to purchase a device that would insert the crawl into the ASI stream. Since KET has multiple video channels (1 HD & 3 SD) in the ASI stream, it required a device at WKHA & WKMR.	\$23,950.14	N/A
Sub-total Total for all	\$39,501.00 \$1,116,511.00	\$32,951.00 \$1,240,907.00	N/A	\$27,390.42 \$851,755.25	N/A N/A
Total for all systems	\$1,116,511.00	\$1,240,907.00	N/A	\$851,755.25	N/A

Components

Actual Information Description	File Name	
DTV Medical Facility Notification	Component Description: Amount:	medical notification \$1,587.50
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	

MVPD Notification of		
Channel Change	Component Description:	Prepare letters to
		MVPDs.
		Research and
		contact all
		relevant MVPD
		entities impacted
		by station move
		by mail and/or
		email. Prepare
		report for station.
	Amount:	\$1,418.75

Internal Labor

Component Description: Amount:	payroll expenses for internal labor \$66.91
Component Description: Amount:	payroll expenses for internal labor \$69.49
Component Description: Amount:	payroll expenses for internal labor \$58.43
Component Description: Amount:	payroll expenses for internal labor \$57.54
Component Description: Amount:	payroll expenses for internal labor \$37.85
Component Description:	payroll expenses

payroll expenses for internal labor \$37.55

payroll expenses for internal labor \$71.75

Component Description:

Component Description:

Amount:

Amount:

Amount:

payroll expenses for internal labor \$34.51

Develop and air announcement of upcoming channel change Component Description: de no Amount: \$2

device for notification crawl \$23,950.14

Cost	Grand Total			
Information		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$1,116,511.00	\$1,240,907.00	\$851,755.25

Reimbursem	envestiatus	Response
	The facility has ceased operating on its pre- auction channel.	No
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
		 The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. The above-named 	
		entity acknowledges that all certifications and attached documentation are considered material representations.	
		3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.	

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

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
I declare, under penalty of perjury, that I am an authorized representative of the above- named applicant for the Authorization(s) specified above.	Shae Hopkins Executive Director 10/09/2019

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		 The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 	
		2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.	
		3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

- 4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
- 5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster **Relocation Fund are** necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 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) ried above.	Shae Hopkins Executive Director
		10/09/2019

Attachments