



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **34212** | Service: **DTV** | Call **WKMA-TV** | Channel: **31 (UHF)** |
ID:
File **0000026900**
Number:
FRN: **0001790583** | Date **09/10**
Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

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

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Greg Best <i>Greg Best Consulting, Inc.</i>	Greg Best 16100 Outlook Avenue Stilwell, KS 66085 United States	+1 (816) 792- 2913	gbconsulting54@gmail. 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	Please see attached repack plan exhibit.

Transmitters

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	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 and Type	Manufacturer	
	Model	DHD20P1
	Year	2001
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	5 kW

**Primary
Transmitter**

New Transmitter Costs

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
Transmitter**

Other Transmitter Costs

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
	Type	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 leasehold 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
Transmitter**

Other Transmitter Cost Not Listed

Information not provided.

Antennas

Section	Question	Response
Antenna Related Expenses	Do you have antenna related expenses?	Yes

Primary Antenna

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?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	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)	55.1 kW

Manufacturer	
Model	TLP-24B (42)
Year	2001

Primary
Antenna

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?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	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)	36.7 kW
	Manufacturer	

Model	ATW19H3-ETO-31H
Year	2019
Justification for New Antenna	Primary antenna is not broadband or able to be tuned to a new channel. New top mount reduces overall repack cost. Please see Repack Plan Exhibit for details.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Type	
	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
Antenna**

Other Antenna Cost Not Listed

Information not provided.

Transmission Line

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

**Primary
Transmission Line**

Existing Transmission 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 Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	966 feet per run

Primary **New Transmission Line**
Transmission 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
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	45 feet per run
	Justification for New Transmission Line	Short run of new line to cover distance from current side-mount elevation to new top-mount location. Flexible line components are needed to assist with interim operation.

Primary **Other Transmission Line Expenses Not Listed**
Transmission Line

Information 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?	No
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1044021
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	37° 11' 21.0" N-
	Longitude (NAD83)	087° 30' 49.0" W-
	Overall Structure Height	997.04 feet
	Support Structure Height	949.14 feet
	Ground Elevation Above Mean Sea Level (AMSL)	551.50 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

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

Primary Tower

Tower Modification Costs

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:	Serious 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
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	No
	Quantity	N/A
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	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	No
	Quantity	N/A
	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	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Progress and Transition Reports	progress and transition reporting

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	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**

Other Expenses Not Listed

Name	Description
Internal Labor	FCC Reimbursement Clerk hired for repack reimbursement ONLY

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 Maxiva UAXTE-8	\$291,700.00	\$277,450.00		\$129,504.63	
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	\$1,988.50	N/A
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
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Sub-total	\$291,700.00	\$277,450.00	N/A	\$129,504.63	N/A
Total for all systems	\$2,220,720.00	\$2,036,160.58	N/A	\$1,067,871.81	N/A

Components

Actual Information
Description

File Name

Service entrance 3 phase /800 amp/208 volt	<table> <tr> <td data-bbox="722 174 1029 208">Component Description:</td><td data-bbox="1161 174 1366 286">KET Transmitter building electrical upgrade</td></tr> <tr> <td data-bbox="722 297 831 331">Amount:</td><td data-bbox="1161 297 1259 331">\$500.00</td></tr> <tr> <td data-bbox="722 432 1029 465">Component Description:</td><td data-bbox="1161 432 1366 544">KET transmitter building electrical upgrade</td></tr> <tr> <td data-bbox="722 555 831 589">Amount:</td><td data-bbox="1161 555 1246 589">\$60.00</td></tr> <tr> <td data-bbox="722 689 1029 723">Component Description:</td><td data-bbox="1161 689 1366 801">KET Transmitter building electrical upgrade</td></tr> <tr> <td data-bbox="722 813 831 846">Amount:</td><td data-bbox="1161 813 1246 846">\$60.00</td></tr> <tr> <td data-bbox="722 947 1029 981">Component Description:</td><td data-bbox="1161 947 1366 1059">KET transmitter building electrical upgrades</td></tr> <tr> <td data-bbox="722 1070 831 1104">Amount:</td><td data-bbox="1161 1070 1262 1104">\$120.00</td></tr> <tr> <td data-bbox="722 1205 1029 1238">Component Description:</td><td data-bbox="1161 1205 1366 1317">KET transmitter building electrical upgrade</td></tr> <tr> <td data-bbox="722 1328 831 1361">Amount:</td><td data-bbox="1161 1328 1262 1361">\$396.00</td></tr> <tr> <td data-bbox="722 1462 1029 1496">Component Description:</td><td data-bbox="1161 1462 1366 1574">KET Transmitter building electrical upgrade</td></tr> <tr> <td data-bbox="722 1585 831 1619">Amount:</td><td data-bbox="1161 1585 1262 1619">\$852.50</td></tr> </table>	Component Description:	KET Transmitter building electrical upgrade	Amount:	\$500.00	Component Description:	KET transmitter building electrical upgrade	Amount:	\$60.00	Component Description:	KET Transmitter building electrical upgrade	Amount:	\$60.00	Component Description:	KET transmitter building electrical upgrades	Amount:	\$120.00	Component Description:	KET transmitter building electrical upgrade	Amount:	\$396.00	Component Description:	KET Transmitter building electrical upgrade	Amount:	\$852.50
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Amount:	\$852.50																								
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.																								

UHF - Air Cooled Solid State Transmitter 4 - 6 kW	<table> <tr> <td data-bbox="722 174 1029 208">Component Description:</td><td data-bbox="1161 174 1366 365">transmitter, rf system, electrical system, installation & proof, freight</td></tr> <tr> <td data-bbox="722 376 831 409">Amount:</td><td data-bbox="1161 376 1310 409">\$127,153.25</td></tr> <tr> <td data-bbox="722 517 1029 551">Component Description:</td><td data-bbox="1161 517 1378 786">eComm admin and support, distribution services at time of bidding -- GatesAir (RFP-48- 19)</td></tr> <tr> <td data-bbox="722 797 831 831">Amount:</td><td data-bbox="1161 797 1260 831">\$362.88</td></tr> </table>	Component Description:	transmitter, rf system, electrical system, installation & proof, freight	Amount:	\$127,153.25	Component Description:	eComm admin and support, distribution services at time of bidding -- GatesAir (RFP-48- 19)	Amount:	\$362.88
Component Description:	transmitter, rf system, electrical system, installation & proof, freight								
Amount:	\$127,153.25								
Component Description:	eComm admin and support, distribution services at time of bidding -- GatesAir (RFP-48- 19)								
Amount:	\$362.88								
Switchgear - industrial 800 amp	Information not provided.								

**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
Primary Antenna ATW19H3- ETO-31H	\$555,530.00	\$426,797.75		\$130,785.25	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$281,500.00	N/A	\$114,104.00	N/A
Sweep test of existing antenna	\$6,730.00	\$18,750.00	Transition requires two sweeps of transmission equipment. Please see attached Repack Plan Exhibit for details. The additional cost for sweep is due to using existing line for the interim services that required sweep testing before using.	\$15,937.50	N/A

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, horizontally polarized	\$247,000.00	\$114,847.75	***System Notice: Estimate adjusted and locked because line has been superseded. ***	\$743.75	N/A
Sub-total	\$555,530.00	\$426,797.75	N/A	\$130,785.25	N/A
Total for all systems	\$2,220,720.00	\$2,036,160.58	N/A	\$1,067,871.81	N/A

Components

Actual Information	
Description	File Name
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	Component Description:
	antenna (less vpol) and replacement lighting (35%)
	Amount:
	\$46,984.00
	Component Description:
	antenna (less vpol) and replacement lighting (50%)
	Amount:
	\$67,120.00

Sweep test of existing antenna	<div> <div> Component Description: Amount: </div> <div> system sweep (35%) \$6,562.50 </div> </div> <div> <div> Component Description: Amount: </div> <div> system sweep (50%) \$9,375.00 </div> </div>
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, horizontally polarized	<div> <div> Component Description: Amount: </div> <div> Antenna gain and TPO evaluation and revision of specifications \$306.25 </div> </div> <div> <div> Component Description: Amount: </div> <div> antenna, lighting replacement on antenna (50%) \$67,120.00 </div> </div> <div> <div> Component Description: Amount: </div> <div> antenna and lighting (35%) \$46,984.00 </div> </div> <div> <div> Component Description: Amount: </div> <div> Antenna and Line Spec \$437.50 </div> </div>

Cost
Information

Transmission Line

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	\$10,440.00	\$50,162.83		\$42,638.41	
Rigid Transmission Line - copper, 6 1 /8" broadband	\$10,440.00	\$50,162.83	T-Line extension system and interim 4" line components to extend the T-Line for this site that that already has 6 1/8" broadband line, is needed to connect to the antenna /elbow complex. Interim 4" line components are included in the cost estimate.	\$42,638.41	N/A
Sub-total	\$10,440.00	\$50,162.83	N/A	\$42,638.41	N/A
Total for all systems	\$2,220,720.00	\$2,036,160.58	N/A	\$1,067,871.81	N/A

Components

Actual Information Description	File Name
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Rigid Transmission Line - copper, 6 1/8" broadband		
	Component Description:	transmission line (35%)
	Amount:	\$17,556.99
	Component Description:	transmission line (50%)
	Amount:	\$25,081.42

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	\$1,300,800.00	\$1,228,000.00		\$755,605.39	
Load Study	<i>\$12,000.00</i>	\$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	\$0.00	N/A
Serious tower reinforcement /modifications	\$1,052,000.00	\$750,000.00	KET obtained estimate of tower modification work from Neel-Schaffer.	\$532,434.38	N/A

Tall Tower (greater than 500')	\$210,500.00	\$441,000.00	KET obtained quotation of realistic scope of tower rigging work from reputable supplier. Please see attached Tower Work exhibit.	\$223,171.01	N/A
Sub-total	\$1,300,800.00	\$1,228,000.00	N/A	\$755,605.39	N/A
Total for all systems	\$2,220,720.00	\$2,036,160.58	N/A	\$1,067,871.81	N/A

Components

Actual Information	
Description	File Name
Load Study	<p>Component Description: Geotechnical Studies</p> <p>Amount: \$2,310.00</p>
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	<p>Component Description: Tower Mapping</p> <p>Amount: \$1,373.00</p> <p>Component Description: TIA Tower Inspections and Load Audits</p> <p>Amount: \$1,917.00</p> <p>Component Description: Foundation Mapping</p> <p>Amount: \$1,320.02</p>

Serious tower reinforcement /modifications	Component Description: Amount:	trimmed and removed trees for guy wire installation - QUOTE ATTACHED; Invoice number is date of invoice \$6,750.00
	Component Description: Amount:	Bid Phase Only - RFB-198-18 billed for rebid distribution services only (Allstate Tower contract) \$46.88
	Component Description: Amount:	eComm administration and support, distribution services at time of bidding -- Allstate Tower contract \$637.50
	Component Description: Amount:	tower mod \$525,000.00

Tall Tower (greater than 500')		
	Component Description:	installation
		services (35%)
	Amount:	\$91,259.76
	Component Description:	installation
		services (50%)
	Amount:	\$130,371.08
	Component Description:	eComm
		administration and
		support, and
		distribution
		services at the
		time of bidding -
		Electronics
		Research Inc
		contract
	Amount:	\$1,540.17

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	\$43,200.00	\$41,250.00		\$7,374.15	
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$658.50	N/A
Progress and Transition Reports	<i>\$4,000.00</i>	\$4,000.00	N/A	\$262.50	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 FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$1,433.00	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	\$3,000.00	N/A	\$2,275.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$721.87	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$1,575.00	N/A
Project management of the transition	\$12,640.00	\$12,000.00	KET Staff require outside services to manage the upgrades.	\$448.28	N/A
Sub-total	\$43,200.00	\$41,250.00	N/A	\$7,374.15	N/A
Total for all systems	\$2,220,720.00	\$2,036,160.58	N/A	\$1,067,871.81	N/A

Components

Actual Information
Description

File Name

Attorney Fees -Prepare and
File FCC Form 2100
(main), License to Cover
Application

Component Description:

public notice;
repack and
coordination of
linked station set
#44 for testing and
sequence of
transitioning
stations

Amount:

\$134.00

Component Description:

research re:
WKMA repack
dependencies and
linked station set;
prepare chart re:
same

Amount:

\$70.00

Component Description:

reminder and
research re: repack
quarterly progress
reports

Amount:

\$35.00

Component Description:

email reminder re:
quarterly repack
transition report
deadline

Amount:

\$49.50

Component Description:

Second Installment

Amount:

\$320.50

Component Description:

First Installment

Amount:

\$49.50

Progress and Transition Reports	Component Description: quarterly report Amount: \$175.00	
	Component Description: quarterly report Amount: \$87.50	
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 FCC Form 2100 (main), Construction Permit Application	Component Description: Third Installment Amount: \$396.00	
	Component Description: Fourth Installment Amount: \$99.00	
	Component Description: First Installment Amount: \$99.00	
	Component Description: Second Installment Amount: \$839.00	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	

<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="710 168 1013 212">Component Description:</td><td data-bbox="1149 168 1364 280">TV study analysis, antenna spec, transition draft, CP</td></tr> <tr> <td data-bbox="710 291 821 336">Amount:</td><td data-bbox="1149 291 1244 336">\$962.50</td></tr> <tr> <td data-bbox="710 425 1013 470">Component Description:</td><td data-bbox="1149 425 1364 627">Hitachi and GatesAir response review, new antenna and line specs</td></tr> <tr> <td data-bbox="710 638 821 683">Amount:</td><td data-bbox="1149 638 1244 683">\$525.00</td></tr> <tr> <td data-bbox="710 772 1013 817">Component Description:</td><td data-bbox="1149 772 1364 974">Antenna and transmission line bid spec review and bid response review</td></tr> <tr> <td data-bbox="710 974 821 1019">Amount:</td><td data-bbox="1149 974 1244 1019">\$700.00</td></tr> <tr> <td data-bbox="710 1108 1013 1153">Component Description:</td><td data-bbox="1149 1108 1364 1187">new antenna and line specs</td></tr> <tr> <td data-bbox="710 1187 821 1232">Amount:</td><td data-bbox="1149 1187 1228 1232">\$87.50</td></tr> </table>	Component Description:	TV study analysis, antenna spec, transition draft, CP	Amount:	\$962.50	Component Description:	Hitachi and GatesAir response review, new antenna and line specs	Amount:	\$525.00	Component Description:	Antenna and transmission line bid spec review and bid response review	Amount:	\$700.00	Component Description:	new antenna and line specs	Amount:	\$87.50
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Amount:	\$700.00																
Component Description:	new antenna and line specs																
Amount:	\$87.50																
<p>Perform engineering study for new channel assignment and antenna development</p>	<table> <tr> <td data-bbox="710 1355 1013 1400">Component Description:</td><td data-bbox="1149 1355 1364 1433">Linked station neighbor analysis</td></tr> <tr> <td data-bbox="710 1444 821 1489">Amount:</td><td data-bbox="1149 1444 1244 1489">\$262.50</td></tr> <tr> <td data-bbox="710 1579 1013 1624">Component Description:</td><td data-bbox="1149 1579 1364 1736">Review of site documentation and antennas, facility planning</td></tr> <tr> <td data-bbox="710 1736 821 1780">Amount:</td><td data-bbox="1149 1736 1244 1780">\$459.37</td></tr> </table>	Component Description:	Linked station neighbor analysis	Amount:	\$262.50	Component Description:	Review of site documentation and antennas, facility planning	Amount:	\$459.37								
Component Description:	Linked station neighbor analysis																
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Amount:	\$459.37																

Prepare and or review
reimbursement form

Component Description: 399 input and
support
Amount: \$1,400.00

Component Description: Second Installment
Amount: \$175.00

Component Description: Form 399
Response and
Support
Amount: \$175.00

Component Description: First Installment
Amount: \$1,400.00

Project management of the transition

Component Description: project management tasks
Amount: \$87.50

Component Description: project management
Amount: \$175.00

Component Description: travel expenses
Amount: \$10.78

Component Description: Project management tasks
Amount: \$43.75

Component Description: project management
Amount: \$87.50

Component Description: project management
Amount: \$43.75

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	\$19,050.00	\$12,500.00		\$1,963.98	
Internal Labor	<i>\$2,000.00</i>	\$2,000.00	N/A	\$376.48	N/A
MVPD Notification of Channel Change	<i>\$1,500.00</i>	\$1,500.00	KET estimate to search for and notify all cable companies.	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$1,500.00</i>	\$1,500.00	KET estimate for developing and airing announcement.	N/A	N/A
Equipment Storage	<i>\$500.00</i>	\$500.00	GBC estimate	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$2,000.00</i>	\$2,000.00	KET estimate based on known costs.	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$5,000.00	GBC estimate based on known quotations	\$1,587.50	N/A
Sub-total	\$19,050.00	\$12,500.00	N/A	\$1,963.98	N/A
Total for all systems	\$2,220,720.00	\$2,036,160.58	N/A	\$1,067,871.81	N/A

Components

Actual Information	File Name	
Description		
Internal Labor	Component Description:	payroll expenses for internal labor
	Amount:	\$37.54
	Component Description:	payroll expenses for internal labor
	Amount:	\$66.91
	Component Description:	payroll expenses for internal labor
	Amount:	\$37.85
	Component Description:	payroll expenses for internal labor
	Amount:	\$69.49
MVPD Notification of Channel Change	Component Description:	payroll expenses for internal labor
	Amount:	\$71.75
Develop and air announcement of upcoming channel change	Component Description:	payroll expenses for internal labor
	Amount:	\$34.51
Equipment Storage	Component Description:	payroll expenses for internal labor
	Amount:	\$58.43
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage	Information not provided.	

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

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$2,220,720.00	\$2,036,160.58	\$1,067,871.81

Reimbursement Status	Question	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	<p>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.</p>	
		<ol style="list-style-type: none"> 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.

<p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Shae Hopkins <i>Executive Director</i></p> <p>09/10/2019</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS 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 AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p>	
		<ol style="list-style-type: none"> 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. 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.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Shae Hopkins <i>Executive Director</i></p> <p>09/10/2019</p>

Attachments