



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **34196** | Service: **DTV** | Call **WKHA** | Channel: **33 (UHF)** |  
ID: | Sign: |  
File **0000026906**  
Number: |  
FRN: **0001790583** | Date **05/01**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>KENTUCKY AUTHORITY FOR EDUCATIONAL TV</b>	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
<b>Greg Best</b> <i>Consulting Engineer</i> <i>Greg Best Consulting,</i> <i>Inc.</i>	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
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	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
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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
<b>Existing Antenna Description</b>	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
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Top 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) .....	38.2 kW

Manufacturer	
Model	TFU-20JTH-R S170
Year	2015

---



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) .....	55.9 kW
	Manufacturer	

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 Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	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
<b>Elbow Complex</b>	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
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No

<b>Sweep Test</b>	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?	No

**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?	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 ( North American Datum of 1983))	Latitude (NAD83)	37° 11' 35.0" N-
	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

### 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:	Minor 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
<b>Services Costs Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	80
	Explanation	KET Staff require outside services to manage the upgrades.
<b>Outside RF consulting Engineering Services</b>	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
<b>Attorney and Other Outside Consulting Services</b>	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	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
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	No
	RF exposure measurements	Yes
	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	Engineering Fees



## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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
<b>Permit and Filing Costs</b>	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
<b>Other Miscellaneous Expenses</b>	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		\$130,031.13	
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	\$2,515.00	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
3" Rigid Conduit and Wiring (Cost per foot)	\$2,600.00	\$2,450.00	N/A	N/A	N/A
Sub-total	\$291,700.00	\$277,450.00	N/A	\$130,031.13	N/A
Total for all systems	\$1,094,060.00	\$1,167,570.00	N/A	\$294,322.27	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"><b>Component Description:</b></td><td data-bbox="1161 174 1366 286">KET Transmitter building electrical upgrade</td></tr> <tr> <td data-bbox="722 297 831 331"><b>Amount:</b></td><td data-bbox="1161 297 1259 331">\$270.00</td></tr> <tr> <td data-bbox="722 432 1029 465"><b>Component Description:</b></td><td data-bbox="1161 432 1366 544">KET Transmitter building electrical upgrade</td></tr> <tr> <td data-bbox="722 555 831 589"><b>Amount:</b></td><td data-bbox="1161 555 1281 589">\$1,540.00</td></tr> <tr> <td data-bbox="722 689 1029 723"><b>Component Description:</b></td><td data-bbox="1161 689 1366 801">KET Transmitter building electrical upgrade</td></tr> <tr> <td data-bbox="722 813 831 846"><b>Amount:</b></td><td data-bbox="1161 813 1259 846">\$705.00</td></tr> </table>	<b>Component Description:</b>	KET Transmitter building electrical upgrade	<b>Amount:</b>	\$270.00	<b>Component Description:</b>	KET Transmitter building electrical upgrade	<b>Amount:</b>	\$1,540.00	<b>Component Description:</b>	KET Transmitter building electrical upgrade	<b>Amount:</b>	\$705.00
<b>Component Description:</b>	KET Transmitter building electrical upgrade												
<b>Amount:</b>	\$270.00												
<b>Component Description:</b>	KET Transmitter building electrical upgrade												
<b>Amount:</b>	\$1,540.00												
<b>Component Description:</b>	KET Transmitter building electrical upgrade												
<b>Amount:</b>	\$705.00												
UHF - Air Cooled Solid State Transmitter 4 - 6 kW	<table> <tr> <td data-bbox="722 981 1029 1014"><b>Component Description:</b></td><td data-bbox="1161 981 1378 1256">eComm admin and support, distribution services at time of bidding -- GatesAir (RFP-48- 19)</td></tr> <tr> <td data-bbox="722 1267 831 1301"><b>Amount:</b></td><td data-bbox="1161 1267 1259 1301">\$362.88</td></tr> <tr> <td data-bbox="722 1402 1029 1435"><b>Component Description:</b></td><td data-bbox="1161 1402 1289 1435">transmitter</td></tr> <tr> <td data-bbox="722 1447 831 1480"><b>Amount:</b></td><td data-bbox="1161 1447 1310 1480">\$127,153.25</td></tr> </table>	<b>Component Description:</b>	eComm admin and support, distribution services at time of bidding -- GatesAir (RFP-48- 19)	<b>Amount:</b>	\$362.88	<b>Component Description:</b>	transmitter	<b>Amount:</b>	\$127,153.25				
<b>Component Description:</b>	eComm admin and support, distribution services at time of bidding -- GatesAir (RFP-48- 19)												
<b>Amount:</b>	\$362.88												
<b>Component Description:</b>	transmitter												
<b>Amount:</b>	\$127,153.25												
Switchgear - industrial 800 amp	Information not provided.												
3" Rigid Conduit and Wiring (Cost per foot)	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
<b>Primary Antenna ATW22H4-ETO-33H</b>	<b>\$308,530.00</b>	<b>\$259,500.00</b>		<b>\$743.75</b>	
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.	\$743.75	N/A
Sweep test of existing antenna	\$6,730.00	\$12,800.00	Transition requires two sweeps of transmission equipment. Please see attached Repack Plan Exhibit for details.	N/A	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
<b>Sub-total</b>	<b>\$308,530.00</b>	<b>\$259,500.00</b>	N/A	<b>\$743.75</b>	N/A

<b>Total for all systems</b>	\$1,094,060.00	\$1,167,570.00	N/A	\$294,322.27	N/A
------------------------------	----------------	----------------	-----	--------------	-----

## Components

Actual Information	
Description	File Name
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	<div> <b>Component Description:</b> Antenna and Line Spec  <b>Amount:</b> \$437.50 </div> <div> <b>Component Description:</b> Antenna gain and TPO evaluation and revision of specifications  <b>Amount:</b> \$306.25 </div>
Sweep test of existing antenna	Information not provided.
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.

Cost Information

Transmission Line

Information not provided.

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	\$406,800.00	\$552,000.00		\$152,224.55	
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	\$143,184.38	N/A
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	\$7,500.00	N/A

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.	\$1,540.17	N/A
<b>Sub-total</b>	\$406,800.00	\$552,000.00	N/A	\$152,224.55	N/A
<b>Total for all systems</b>	\$1,094,060.00	\$1,167,570.00	N/A	\$294,322.27	N/A

## Components

Actual Information	
Description	File Name



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

<p>Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study</p>	<table> <tr> <td data-bbox="711 98 1114 376"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1121 98 1426 376"> <p>Foundation Mapping</p> <p>\$3,500.00</p> </td></tr> <tr> <td data-bbox="711 387 1114 665"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1121 387 1426 665"> <p>TIA Tower Inspections and Load Audits</p> <p>\$1,189.00</p> </td></tr> <tr> <td data-bbox="711 676 1114 824"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1121 676 1426 824"> <p>Tower Mapping</p> <p>\$1,023.00</p> </td></tr> <tr> <td data-bbox="711 835 1114 1003"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1121 835 1426 1003"> <p>Mapping Completion</p> <p>\$7,500.00</p> </td></tr> </table>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Foundation Mapping</p> <p>\$3,500.00</p>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>TIA Tower Inspections and Load Audits</p> <p>\$1,189.00</p>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Tower Mapping</p> <p>\$1,023.00</p>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Mapping Completion</p> <p>\$7,500.00</p>
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Foundation Mapping</p> <p>\$3,500.00</p>								
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>TIA Tower Inspections and Load Audits</p> <p>\$1,189.00</p>								
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Tower Mapping</p> <p>\$1,023.00</p>								
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Mapping Completion</p> <p>\$7,500.00</p>								
<p>Tall Tower (greater than 500')</p>	<table> <tr> <td data-bbox="711 1014 1114 1532"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1121 1014 1426 1532"> <p>eComm administration and support, and distribution services at the time of bidding - Electronics Research Inc contract</p> <p>\$1,540.17</p> </td></tr> </table>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>eComm administration and support, and distribution services at the time of bidding - Electronics Research Inc contract</p> <p>\$1,540.17</p>						
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>eComm administration and support, and distribution services at the time of bidding - Electronics Research Inc contract</p> <p>\$1,540.17</p>								

## 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
<b>Outside Professional Services</b>	<b>\$69,980.00</b>	<b>\$68,120.00</b>		<b>\$11,158.15</b>	
Progress and Transition Reports	<i>\$4,000.00</i>	\$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), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$189.50	N/A
Project management of the transition	\$12,640.00	\$12,000.00	KET Staff require outside services to manage the upgrades.	\$273.28	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
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$896.87	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
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 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), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$2,186.00	N/A
<b>Sub-total</b>	\$69,980.00	\$68,120.00	N/A	\$11,158.15	N/A
<b>Total for all systems</b>	\$1,094,060.00	\$1,167,570.00	N/A	\$294,322.27	N/A

## Components

Actual Information	
Description	File Name
Progress and Transition Reports	<p><b>Component Description:</b> quarterly progress report</p> <p><b>Amount:</b> \$175.00</p> <p><b>Component Description:</b> quarterly progress report</p> <p><b>Amount:</b> \$87.50</p>
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), License to Cover Application	<b>Component Description:</b> <b>Amount:</b>	First Installment \$49.50
	<b>Component Description:</b>  <b>Amount:</b>	public notice; analysis re: linked station set and upstream and downstream dependencies \$140.00
Project management of the transition	<b>Component Description:</b> <b>Amount:</b>	project management tasks \$87.50
	<b>Component Description:</b> <b>Amount:</b>	Project Management Tasks \$43.75
	<b>Component Description:</b> <b>Amount:</b>	travel expenses \$10.78
	<b>Component Description:</b> <b>Amount:</b>	project management \$87.50
	<b>Component Description:</b> <b>Amount:</b>	project management \$43.75

<p>Prepare and or review reimbursement form</p>	<table> <tr> <td data-bbox="710 174 1013 208"><b>Component Description:</b></td><td data-bbox="1150 174 1370 246">399 form response and support</td></tr> <tr> <td data-bbox="710 257 817 291"><b>Amount:</b></td><td data-bbox="1150 257 1267 291">\$2,712.50</td></tr> <tr> <td data-bbox="710 398 1013 432"><b>Component Description:</b></td><td data-bbox="1150 398 1370 470">399 form input and support</td></tr> <tr> <td data-bbox="710 481 817 515"><b>Amount:</b></td><td data-bbox="1150 481 1267 515">\$1,575.00</td></tr> </table>	<b>Component Description:</b>	399 form response and support	<b>Amount:</b>	\$2,712.50	<b>Component Description:</b>	399 form input and support	<b>Amount:</b>	\$1,575.00				
<b>Component Description:</b>	399 form response and support												
<b>Amount:</b>	\$2,712.50												
<b>Component Description:</b>	399 form input and support												
<b>Amount:</b>	\$1,575.00												
<p>Perform engineering study for new channel assignment and antenna development</p>	<table> <tr> <td data-bbox="710 645 1013 678"><b>Component Description:</b></td><td data-bbox="1150 645 1370 799">Review of site documentation and antennas, facility planning</td></tr> <tr> <td data-bbox="710 810 817 844"><b>Amount:</b></td><td data-bbox="1150 810 1246 844">\$459.37</td></tr> <tr> <td data-bbox="710 952 1013 985"><b>Component Description:</b></td><td data-bbox="1150 952 1370 1057">Linked station neighbor analysis - see attached letter</td></tr> <tr> <td data-bbox="710 1068 817 1102"><b>Amount:</b></td><td data-bbox="1150 1068 1246 1102">\$262.50</td></tr> <tr> <td data-bbox="710 1209 1013 1243"><b>Component Description:</b></td><td data-bbox="1150 1209 1303 1281">linked station analysis</td></tr> <tr> <td data-bbox="710 1292 817 1326"><b>Amount:</b></td><td data-bbox="1150 1292 1246 1326">\$175.00</td></tr> </table>	<b>Component Description:</b>	Review of site documentation and antennas, facility planning	<b>Amount:</b>	\$459.37	<b>Component Description:</b>	Linked station neighbor analysis - see attached letter	<b>Amount:</b>	\$262.50	<b>Component Description:</b>	linked station analysis	<b>Amount:</b>	\$175.00
<b>Component Description:</b>	Review of site documentation and antennas, facility planning												
<b>Amount:</b>	\$459.37												
<b>Component Description:</b>	Linked station neighbor analysis - see attached letter												
<b>Amount:</b>	\$262.50												
<b>Component Description:</b>	linked station analysis												
<b>Amount:</b>	\$175.00												

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<table> <tr> <td data-bbox="710 168 1013 212"><b>Component Description:</b></td><td data-bbox="1149 168 1356 246">New antenna and line specs</td></tr> <tr> <td data-bbox="710 257 821 291"><b>Amount:</b></td><td data-bbox="1149 257 1236 291">\$87.50</td></tr> <tr> <td data-bbox="710 392 1013 436"><b>Component Description:</b></td><td data-bbox="1149 392 1340 425">First Installment</td></tr> <tr> <td data-bbox="710 436 821 470"><b>Amount:</b></td><td data-bbox="1149 436 1268 470">\$1,750.00</td></tr> <tr> <td data-bbox="710 571 1013 616"><b>Component Description:</b></td><td data-bbox="1149 571 1364 761">Hitachi and GatesAir response review, new antenna and line specs</td></tr> <tr> <td data-bbox="710 772 821 806"><b>Amount:</b></td><td data-bbox="1149 772 1244 806">\$525.00</td></tr> <tr> <td data-bbox="710 907 1013 952"><b>Component Description:</b></td><td data-bbox="1149 907 1348 1097">Antenna and transmission line bid spec review and bid response review</td></tr> <tr> <td data-bbox="710 1108 821 1142"><b>Amount:</b></td><td data-bbox="1149 1108 1244 1142">\$700.00</td></tr> </table>	<b>Component Description:</b>	New antenna and line specs	<b>Amount:</b>	\$87.50	<b>Component Description:</b>	First Installment	<b>Amount:</b>	\$1,750.00	<b>Component Description:</b>	Hitachi and GatesAir response review, new antenna and line specs	<b>Amount:</b>	\$525.00	<b>Component Description:</b>	Antenna and transmission line bid spec review and bid response review	<b>Amount:</b>	\$700.00
<b>Component Description:</b>	New antenna and line specs																
<b>Amount:</b>	\$87.50																
<b>Component Description:</b>	First Installment																
<b>Amount:</b>	\$1,750.00																
<b>Component Description:</b>	Hitachi and GatesAir response review, new antenna and line specs																
<b>Amount:</b>	\$525.00																
<b>Component Description:</b>	Antenna and transmission line bid spec review and bid response review																
<b>Amount:</b>	\$700.00																
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.																
Prepare request for Special Temporary Authorization	Information not provided.																



Attorney Fees - Prepare  
and File FCC Form 2100  
(main), Construction Permit  
Application

**Component Description:** Sixth Installment  
**Amount:** \$389.50

**Component Description:** Third Installment  
**Amount:** \$191.50

**Component Description:** Fifth Installment  
**Amount:** \$320.50

**Component Description:** First Installment  
Attorney  
**Amount:** \$99.00

**Component Description:** Second Attorney  
Fee  
**Amount:** \$839.00

**Component Description:** Fourth Installment  
**Amount:** \$346.50

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	\$17,050.00	\$10,500.00		\$164.69	
Internal Labor	\$2,000.00	\$2,000.00	N/A	\$164.69	N/A
MVPD Notification of Channel Change	\$1,500.00	\$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	\$1,500.00	\$1,500.00	KET estimate for developing and airing announcement.	N/A	N/A
Equipment Storage	\$500.00	\$500.00	GBC estimate	N/A	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
DTV Medical Facility Notification	\$11,550.00	\$5,000.00	GBC estimate based on known quotations	N/A	N/A
Sub-total	\$17,050.00	\$10,500.00	N/A	\$164.69	N/A
Total for all systems	\$1,094,060.00	\$1,167,570.00	N/A	\$294,322.27	N/A

Components

Actual Information	
Description	File Name
Internal Labor	<b>Component Description:</b> payroll expenses for internal labor  <b>Amount:</b> \$58.43
	<b>Component Description:</b> payroll expenses for internal labor  <b>Amount:</b> \$71.75
	<b>Component Description:</b> payroll expenses for internal labor  <b>Amount:</b> \$34.51
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	Information not provided.

<b>Cost Information</b>	<b>Grand Total</b>		
		<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>
			<b>Actual Cost</b>
	<b>Total for all systems</b>	\$1,094,060.00	\$1,167,570.00
			\$294,322.27

<b>Reimbursement Status</b>	<b>Question</b>	<b>Response</b>
	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"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</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).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

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

**Shae  
Hopkins**  
*Executive  
Director*

05/01/2019

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 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).	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	



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><b>Shae Hopkins</b>  <i>Executive Director</i></p> <p>05/01/2019</p>

## Attachments