



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **34202** | Service: **DTV** | Call **WKMR** | Channel: **30 (UHF)** |  
ID: | Sign: |  
File **0000026892**  
Number:  
FRN: **0001790583** | Date **04/07**  
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:	COOPER DR	258-		
KENTUCKY AUTHORITY FOR EDUCATIONAL TV	LEXINGTON, KY 40502 United States	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
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)	51.4 kW

Manufacturer	
Model	TLP-16B (15)
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?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	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/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) .....	60.5 kW
	Manufacturer	

Model	ATW21H3-ETO-30H
Year	2017
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
<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?	Yes

**Primary  
Transmission Line**

**Existing Transmission Line**

Section	Question	Response
<b>Existing Transmission Line Description</b>	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
<b>Existing Transmission Line Manufacturer and Type</b>	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	613 feet per run

**Primary** **New Transmission Line**  
**Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	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	50 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.

**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?	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	1044041
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	38° 10' 38.0" N-
	Longitude (NAD83)	083° 24' 17.0" W-
	Overall Structure Height	606.95 feet
	Support Structure Height	560.36 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1389.09 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

	Tower Owner	KENTUCKY AUTHORITY FOR EDUCATIONAL TELEVISION DBA = WKMR
	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
43765	WMKY	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	No
	Quantity	N/A
	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	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
<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
<b>Progress and Transition Reports</b>	progress and transition reports

## 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		\$113,892.89	
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	\$1,240.00	N/A
UHF - Air Cooled Solid State Transmitter 4 - 6 kW	\$236,500.00	\$225,000.00	N/A	\$112,652.89	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	\$113,892.89	N/A
Total for all systems	\$1,059,430.00	\$1,221,275.00	N/A	\$330,048.54	N/A

Components

Actual Information Description	File Name
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Service entrance 3 phase /800 amp/208 volt	<div> <div><b>Component Description:</b></div> <div>KET Transmitter building electrical upgrade</div> <div><b>Amount:</b></div> <div>\$1,240.00</div> </div>
UHF - Air Cooled Solid State Transmitter 4 - 6 kW	<div> <div><b>Component Description:</b></div> <div>Transmitter, RF System, Electrical System, Freight</div> <div><b>Amount:</b></div> <div>\$112,290.01</div> </div> <div> <div><b>Component Description:</b></div> <div>eComm admin and support, distribution services at time of bidding -- GatesAir (RFP-48- 19)</div> <div><b>Amount:</b></div> <div>\$362.88</div> </div>
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 ATW21H3-ETO-30H</b>	<b>\$266,030.00</b>	<b>\$259,500.00</b>		<b>\$743.75</b>	
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
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
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$235,000.00	N/A	\$743.75	N/A
<b>Sub-total</b>	<b>\$266,030.00</b>	<b>\$259,500.00</b>	<b>N/A</b>	<b>\$743.75</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$1,059,430.00</b>	<b>\$1,221,275.00</b>	<b>N/A</b>	<b>\$330,048.54</b>	<b>N/A</b>

## Components

Actual Information	
Description	File Name
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.
Sweep test of existing antenna	Information not provided.
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	<div><div><b>Component Description:</b></div><div><b>Amount:</b></div><div><b>Component Description:</b></div><div><b>Amount:</b></div></div> <div>Antenna and Line Spec \$437.50  Antenna gain and TPO Evaluation and revision of specifications \$306.25</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	\$11,600.00	\$11,050.00		\$0.00	
Rigid Transmission Line - copper, 6 1 /8" broadband	\$11,600.00	\$11,050.00	N/A	N/A	N/A
Sub-total	\$11,600.00	\$11,050.00	N/A	\$0.00	N/A
Total for all systems	\$1,059,430.00	\$1,221,275.00	N/A	\$330,048.54	N/A

Components

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
<b>Primary Tower TOWER</b>	<b>\$406,800.00</b>	<b>\$598,000.00</b>		<b>\$202,224.54</b>	
Minor tower reinforcement /modifications	\$158,000.00	\$196,000.00	WKMR tower required more extensive modifications to meet Revision G standards than was initially anticipated.	\$190,684.37	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	\$10,000.00	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

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
Sub-total	\$406,800.00	\$598,000.00	N/A	\$202,224.54	N/A
Total for all systems	\$1,059,430.00	\$1,221,275.00	N/A	\$330,048.54	N/A

Components

Actual Information	
Description	File Name

Minor tower reinforcement /modifications		
	<b>Component Description:</b>	contracts, bonds, insurance; engineering drawings complete; materials accepted by EOR; mobilization to site; installation complete
	<b>Amount:</b>	\$190,000.00
	<b>Component Description:</b>	Bid Phase Only - RFB-198-18 billed for rebid distribution services only (Allstate Tower contract)
	<b>Amount:</b>	\$46.87
	<b>Component Description:</b>	eComm admin and support, distribution services at time of bidding -- Allstate Tower contract
	<b>Amount:</b>	\$637.50

<p>Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study</p>	<table> <tr> <td data-bbox="708 174 1023 210"><b>Component Description:</b></td><td data-bbox="1155 174 1342 286">TIA Tower Inspections and Load Audits</td></tr> <tr> <td data-bbox="708 297 823 333"><b>Amount:</b></td><td data-bbox="1155 297 1273 333">\$1,726.04</td></tr> <tr> <td data-bbox="708 434 1023 470"><b>Component Description:</b></td><td data-bbox="1155 434 1289 510">Foundation Mapping</td></tr> <tr> <td data-bbox="708 521 823 557"><b>Amount:</b></td><td data-bbox="1155 521 1273 557">\$4,000.00</td></tr> <tr> <td data-bbox="708 658 1023 694"><b>Component Description:</b></td><td data-bbox="1155 658 1374 689">Mapping Complete</td></tr> <tr> <td data-bbox="708 701 823 736"><b>Amount:</b></td><td data-bbox="1155 701 1289 736">\$10,000.00</td></tr> <tr> <td data-bbox="708 837 1023 873"><b>Component Description:</b></td><td data-bbox="1155 837 1337 869">Tower Mapping</td></tr> <tr> <td data-bbox="708 880 823 916"><b>Amount:</b></td><td data-bbox="1155 880 1273 916">\$1,373.00</td></tr> </table>	<b>Component Description:</b>	TIA Tower Inspections and Load Audits	<b>Amount:</b>	\$1,726.04	<b>Component Description:</b>	Foundation Mapping	<b>Amount:</b>	\$4,000.00	<b>Component Description:</b>	Mapping Complete	<b>Amount:</b>	\$10,000.00	<b>Component Description:</b>	Tower Mapping	<b>Amount:</b>	\$1,373.00
<b>Component Description:</b>	TIA Tower Inspections and Load Audits																
<b>Amount:</b>	\$1,726.04																
<b>Component Description:</b>	Foundation Mapping																
<b>Amount:</b>	\$4,000.00																
<b>Component Description:</b>	Mapping Complete																
<b>Amount:</b>	\$10,000.00																
<b>Component Description:</b>	Tower Mapping																
<b>Amount:</b>	\$1,373.00																
<p>Tall Tower (greater than 500')</p>	<table> <tr> <td data-bbox="708 1048 1023 1084"><b>Component Description:</b></td><td data-bbox="1155 1048 1366 1397">eComm administration and support, and distribution services at the time of bidding - Electronics Research Inc contract</td></tr> <tr> <td data-bbox="708 1408 823 1444"><b>Amount:</b></td><td data-bbox="1155 1408 1273 1444">\$1,540.17</td></tr> </table>	<b>Component Description:</b>	eComm administration and support, and distribution services at the time of bidding - Electronics Research Inc contract	<b>Amount:</b>	\$1,540.17												
<b>Component Description:</b>	eComm administration and support, and distribution services at the time of bidding - Electronics Research Inc contract																
<b>Amount:</b>	\$1,540.17																
<p>Load Study</p>	<table> <tr> <td data-bbox="708 1585 1023 1621"><b>Component Description:</b></td><td data-bbox="1155 1585 1310 1648">Geotechnical Studies</td></tr> <tr> <td data-bbox="708 1659 823 1695"><b>Amount:</b></td><td data-bbox="1155 1659 1273 1695">\$2,310.00</td></tr> </table>	<b>Component Description:</b>	Geotechnical Studies	<b>Amount:</b>	\$2,310.00												
<b>Component Description:</b>	Geotechnical Studies																
<b>Amount:</b>	\$2,310.00																

## Cost Information

### Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Outside Professional Services</b>	<b>\$64,250.00</b>	<b>\$62,775.00</b>		<b>\$13,187.36</b>	
Project management of the transition	\$12,640.00	\$12,000.00	KET Staff require outside services to manage the upgrades.	\$1,321.99	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$424.00	N/A
Progress and Transition Reports	<i>\$4,000.00</i>	\$4,000.00	Engineering consultant costs not otherwise listed.	\$1,750.00	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
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$2,057.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$4,025.00	Additional engineering was required during the antenna design phase requiring 399 modification.	\$4,025.00	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 engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,887.50	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
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
<b>Sub-total</b>	\$64,250.00	\$62,775.00	N/A	\$13,187.36	N/A
<b>Total for all systems</b>	\$1,059,430.00	\$1,221,275.00	N/A	\$330,048.54	N/A

## Components

**Actual Information**  
**Description**

**File Name**

Project management of the transition

**Component Description:** project management  
**Amount:** \$87.50

**Component Description:** travel expenses  
**Amount:** \$10.78

**Component Description:** project management  
**Amount:** \$43.75

**Component Description:** linked station analysis  
**Amount:** \$43.75

**Component Description:** travel expenses  
**Amount:** \$18.00

**Component Description:** Travel expenses  
**Amount:** \$557.12

**Component Description:** Travel expenses  
**Amount:** \$429.84

**Component Description:** project management  
**Amount:** \$87.50

**Component Description:** Project management tasks; other charges are non-repack activities  
**Amount:** \$43.75

<p>Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application</p>	<table> <tr> <td data-bbox="710 168 1013 212"><b>Component Description:</b></td><td data-bbox="1149 168 1364 414">public notice; analysis re: linked station set and upstream and downstream dependencies</td></tr> <tr> <td data-bbox="710 414 821 459"><b>Amount:</b></td><td data-bbox="1149 414 1252 459">\$140.00</td></tr> <tr> <td data-bbox="710 548 1013 593"><b>Component Description:</b></td><td data-bbox="1149 548 1340 593">First Installment</td></tr> <tr> <td data-bbox="710 593 821 638"><b>Amount:</b></td><td data-bbox="1149 593 1236 638">\$49.50</td></tr> <tr> <td data-bbox="710 728 1013 772"><b>Component Description:</b></td><td data-bbox="1149 728 1380 772">Second Installment</td></tr> <tr> <td data-bbox="710 772 821 817"><b>Amount:</b></td><td data-bbox="1149 772 1252 817">\$234.50</td></tr> </table>	<b>Component Description:</b>	public notice; analysis re: linked station set and upstream and downstream dependencies	<b>Amount:</b>	\$140.00	<b>Component Description:</b>	First Installment	<b>Amount:</b>	\$49.50	<b>Component Description:</b>	Second Installment	<b>Amount:</b>	\$234.50
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<b>Amount:</b>	\$234.50												
<p>Progress and Transition Reports</p>	<table> <tr> <td data-bbox="710 940 1013 985"><b>Component Description:</b></td><td data-bbox="1149 940 1332 985">quarterly report</td></tr> <tr> <td data-bbox="710 985 821 1030"><b>Amount:</b></td><td data-bbox="1149 985 1252 1030">\$787.50</td></tr> <tr> <td data-bbox="710 1120 1013 1164"><b>Component Description:</b></td><td data-bbox="1149 1120 1332 1164">quarterly report</td></tr> <tr> <td data-bbox="710 1164 821 1209"><b>Amount:</b></td><td data-bbox="1149 1164 1252 1209">\$962.50</td></tr> </table>	<b>Component Description:</b>	quarterly report	<b>Amount:</b>	\$787.50	<b>Component Description:</b>	quarterly report	<b>Amount:</b>	\$962.50				
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<b>Component Description:</b>	quarterly report												
<b>Amount:</b>	\$962.50												
<p>RF Exposure Measurements</p>	<p>Information not provided.</p>												
<p>FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase</p>	<p>Information not provided.</p>												

<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="710 168 1013 246"><b>Component Description:</b> <b>Amount:</b></td><td data-bbox="1149 168 1276 246">repack CP \$49.50</td></tr> <tr> <td data-bbox="710 347 1013 425"><b>Component Description:</b> <b>Amount:</b></td><td data-bbox="1149 347 1340 425">Fifth Installment \$495.00</td></tr> <tr> <td data-bbox="710 526 1013 604"><b>Component Description:</b> <b>Amount:</b></td><td data-bbox="1149 526 1380 604">Second Installment \$925.00</td></tr> <tr> <td data-bbox="710 705 1013 784"><b>Component Description:</b> <b>Amount:</b></td><td data-bbox="1149 705 1340 784">First Installment \$99.00</td></tr> <tr> <td data-bbox="710 884 1013 963"><b>Component Description:</b> <b>Amount:</b></td><td data-bbox="1149 884 1348 963">Third Installment \$99.00</td></tr> <tr> <td data-bbox="710 1064 1013 1142"><b>Component Description:</b> <b>Amount:</b></td><td data-bbox="1149 1064 1364 1142">Fourth Installment \$389.50</td></tr> </table>	<b>Component Description:</b> <b>Amount:</b>	repack CP \$49.50	<b>Component Description:</b> <b>Amount:</b>	Fifth Installment \$495.00	<b>Component Description:</b> <b>Amount:</b>	Second Installment \$925.00	<b>Component Description:</b> <b>Amount:</b>	First Installment \$99.00	<b>Component Description:</b> <b>Amount:</b>	Third Installment \$99.00	<b>Component Description:</b> <b>Amount:</b>	Fourth Installment \$389.50
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<b>Component Description:</b> <b>Amount:</b>	Fourth Installment \$389.50												
<p>Prepare and or review reimbursement form</p>	<table> <tr> <td data-bbox="710 1276 1013 1512"><b>Component Description:</b>     <b>Amount:</b></td><td data-bbox="1149 1276 1356 1512">Antenna Spec Review, Modify transition plan, update CP, 399 input and support \$1,575.00</td></tr> <tr> <td data-bbox="710 1612 1013 1691"><b>Component Description:</b> <b>Amount:</b></td><td data-bbox="1149 1612 1340 1691">First Installment \$2,450.00</td></tr> </table>	<b>Component Description:</b>     <b>Amount:</b>	Antenna Spec Review, Modify transition plan, update CP, 399 input and support \$1,575.00	<b>Component Description:</b> <b>Amount:</b>	First Installment \$2,450.00								
<b>Component Description:</b>     <b>Amount:</b>	Antenna Spec Review, Modify transition plan, update CP, 399 input and support \$1,575.00												
<b>Component Description:</b> <b>Amount:</b>	First Installment \$2,450.00												

Perform engineering study for new channel assignment and antenna development	<table> <tr> <td data-bbox="703 174 1018 210"><b>Component Description:</b></td><td data-bbox="1150 174 1374 327">Review of site documentation and antennas, facility planning</td></tr> <tr> <td data-bbox="703 338 815 374"><b>Amount:</b></td><td data-bbox="1150 338 1246 374">\$459.37</td></tr> <tr> <td data-bbox="703 477 1018 512"><b>Component Description:</b></td><td data-bbox="1150 477 1358 548">Linked station neighbor analysis</td></tr> <tr> <td data-bbox="703 560 815 595"><b>Amount:</b></td><td data-bbox="1150 560 1246 595">\$262.50</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	<b>Amount:</b>	\$262.50												
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Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<table> <tr> <td data-bbox="703 728 1018 763"><b>Component Description:</b></td><td data-bbox="1150 728 1358 880">Hitachi and Gates Response review, new antenna and line specs</td></tr> <tr> <td data-bbox="703 891 815 927"><b>Amount:</b></td><td data-bbox="1150 891 1246 927">\$525.00</td></tr> <tr> <td data-bbox="703 1028 1018 1064"><b>Component Description:</b></td><td data-bbox="1150 1028 1358 1216">Antenna and transmission line bid spec review &amp; bid response review</td></tr> <tr> <td data-bbox="703 1227 815 1263"><b>Amount:</b></td><td data-bbox="1150 1227 1246 1263">\$700.00</td></tr> <tr> <td data-bbox="703 1364 1018 1400"><b>Component Description:</b></td><td data-bbox="1150 1364 1337 1400">First Installment</td></tr> <tr> <td data-bbox="703 1411 815 1447"><b>Amount:</b></td><td data-bbox="1150 1411 1270 1447">\$1,575.00</td></tr> <tr> <td data-bbox="703 1547 1018 1583"><b>Component Description:</b></td><td data-bbox="1150 1547 1358 1619">New antenna and line specs</td></tr> <tr> <td data-bbox="703 1630 815 1666"><b>Amount:</b></td><td data-bbox="1150 1630 1230 1666">\$87.50</td></tr> <tr> <td data-bbox="703 1767 1018 1803"><b>Component Description:</b></td><td data-bbox="1150 1767 1198 1803">N/A</td></tr> <tr> <td data-bbox="703 1814 815 1850"><b>Amount:</b></td><td data-bbox="1150 1814 1198 1850">N/A</td></tr> </table>	<b>Component Description:</b>	Hitachi and Gates Response review, new antenna and line specs	<b>Amount:</b>	\$525.00	<b>Component Description:</b>	Antenna and transmission line bid spec review & bid response review	<b>Amount:</b>	\$700.00	<b>Component Description:</b>	First Installment	<b>Amount:</b>	\$1,575.00	<b>Component Description:</b>	New antenna and line specs	<b>Amount:</b>	\$87.50	<b>Component Description:</b>	N/A	<b>Amount:</b>	N/A
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<b>Component Description:</b>	N/A																				
<b>Amount:</b>	N/A																				
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.																				

ASR modification (prepare FCC Form 854)	Information not provided.
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## 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
<b>Other Expenses</b>	<b>\$19,050.00</b>	<b>\$12,500.00</b>		<b>\$0.00</b>	
Internal Labor	<i>\$2,000.00</i>	\$2,000.00	N/A	N/A	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	N/A	N/A
<b>Sub-total</b>	<b>\$19,050.00</b>	<b>\$12,500.00</b>	<b>N/A</b>	<b>\$0.00</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$1,059,430.00</b>	<b>\$1,221,275.00</b>	<b>N/A</b>	<b>\$330,048.54</b>	<b>N/A</b>

### Components

Information not provided.

**Cost  
Information**

**Grand Total**

	<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>	<b>Actual Cost</b>
<b>Total for all systems</b>	\$1,059,430.00	\$1,221,275.00	\$330,048.54

**Reimbursement Status**

<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.

<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><b>Shae Hopkins</b>  <i>Executive Director</i></p> <p>04/07/2019</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"> <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>04/07/2019</p>

## Attachments