



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **34205** | Service: **DTV** | Call **WKOH** | Channel: **17 (UHF)**
ID: | Sign:
File **0000026935**
Number:
FRN: **0001790583** | Date **08/01**
Submitted: **/2021**

Applicant Information

Applicant Name, Type, and Contact Information

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

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)	63.3 kW

Manufacturer	
Model	TLP-16B (30)
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)	37.3 kW
Manufacturer		

Model	ATW19H3-ETO-17H
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?	
	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	3 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	
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	Flexible Air
	Diameter	3 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	475 feet per run

**Primary
Transmission
Line**

New Transmission Line

Section	Question	Response
<p>New Transmission Line Costs</p>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Type	Rigid
	Diameter	3 1/8 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	505 feet per run
Justification for New Transmission Line	<p>Installation of new line makes possible the operation of the current facility while the tower is rigged and the construction of the new facility is underway. See cover letter for transmission line.</p>	

Primary **Other Transmission Line Expenses Not Listed**
Transmission information not provided.
Line

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	1044038
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	37° 51' 07.0" N-
	Longitude (NAD83)	087° 19' 44.0" W-
	Overall Structure Height	499.34 feet
	Support Structure Height	449.80 feet
	Ground Elevation Above Mean Sea Level (AMSL)	375.00 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

Tower Owner	KENTUCKY AUTHORITY FOR EDUCATIONAL TELEVISION DBA = WKOH
Date Constructed	06/13/2002

**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
71864	WKPB	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 Services Costs

Section	Question	Response
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	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	progress and transition reports

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		\$149,089.09	
3" Rigid Conduit and Wiring (Cost per foot)	\$2,600.00	\$2,450.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
UHF - Air Cooled Solid State Transmitter 4 - 6 kW	\$236,500.00	\$225,000.00	N/A	\$136,948.26	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	\$12,140.83	N/A
Sub-total	\$291,700.00	\$277,450.00	N/A	\$149,089.09	N/A
Total for all systems	\$1,019,930.00	\$1,227,312.65	N/A	\$819,988.30	N/A

Components

Actual Information	
Description	File Name
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

Switchgear - industrial 800 amp	Information not provided.	
UHF - Air Cooled Solid State Transmitter 4 - 6 kW	<p>Component Description:</p> <p>Amount:</p> <p>Component Description:</p> <p>Amount:</p> <p>Component Description:</p> <p>Amount:</p> <p>Component Description:</p> <p>Amount:</p>	<p>transmitter, rf system, electrical system, installation & proof, freight \$127,153.25</p> <p>TAX for transmitter, rf system, electrical system, installation & proof, freight \$7,490.44</p> <p>eComm admin and support, distribution services at time of bidding -- GatesAir (RFP-48-19) \$362.88</p> <p>training, final testing \$1,941.69</p>
Service entrance 3 phase /800 amp/208 volt	<p>Component Description:</p> <p>Amount:</p> <p>Component Description:</p> <p>Amount:</p>	<p>KET Transmitter Building Electrical Upgrade \$9,860.00</p> <p>KET Transmitter building electrical upgrade \$363.00</p>

Component Description: KET transmitter building electrical upgrade
Amount: \$68.50

Component Description: ecomm admin and support, distribution services at time of bidding -- State Electric (RFP-255-19)
Amount: \$150.00

Component Description: KET transmitter building electrical upgrade
Amount: \$25.00

Component Description: KET Transmitter building electrical upgrade
Amount: \$325.00

Component Description: KET transmitter building electrical upgrade
Amount: \$20.00

Component Description: KET transmitter building electrical upgrade
Amount: \$25.00

Component Description: KET Transmitter building electrical upgrade
Amount: \$80.00

Component Description: KET transmitter
building electrical
upgrade
Amount: \$130.00

Component Description: KET transmitter
building electrical
upgrade
Amount: \$60.00

Component Description: KET transmitter
building electrical
upgrade
Amount: \$563.33

Component Description: KET transmitter
building electrical
upgrade
Amount: \$90.00

Component Description: KET transmitter
building electrical
upgrade
Amount: \$90.00

Component Description: KET transmitter
building electrical
upgrade
Amount: \$266.00

Component Description: KET transmitter
building electrical
upgrade
Amount: \$25.00

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-17H	\$303,830.00	\$254,900.00		\$152,928.75	
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.	\$140,428.75	N/A
Sweep test of existing antenna	\$6,730.00	\$12,500.00	The additional cost for sweep is due to using existing line for the interim services that required sweep testing before using.	\$12,500.00	N/A
Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	\$7,600.00	\$7,400.00	N/A	N/A	N/A
Sub-total	\$303,830.00	\$254,900.00	N/A	\$152,928.75	N/A

Total for all systems	\$1,019,930.00	\$1,227,312.65	N/A	\$819,988.30	N/A
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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 vertical polarization component) and replacement lighting (35%)

Amount: \$48,889.75

Component Description: antenna (less vpol) and replacement lighting (5%)

Amount: \$6,984.25

Component Description: Antenna and Line Spec

Amount: \$437.50

Component Description: antenna (less vertical polarization component) and replacement lighting (50%)

Amount: \$69,842.50

Component Description: antenna (less vpol) and replacement lighting (10%)

Amount: \$13,968.50

Component Description: Antenna gain and TPO evaluation and revision of specifications

Amount: \$306.25

Sweep test of existing antenna	<p>Component Description: system sweep (10%) Amount: \$1,250.00</p> <p>Component Description: sweep (50%) Amount: \$6,250.00</p> <p>Component Description: system sweep (5%) Amount: \$625.00</p> <p>Component Description: sweep (35%) Amount: \$4,375.00</p>
Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	Information not provided.

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	\$60,600.00	\$85,712.65		\$46,021.36	
Rigid Transmission Line - copper, 3 1/8" broadband	\$60,600.00	\$85,712.65	See quote and cover letter for 3" rigid transmission line system.	\$46,021.36	N/A
Sub-total	\$60,600.00	\$85,712.65	N/A	\$46,021.36	N/A
Total for all systems	\$1,019,930.00	\$1,227,312.65	N/A	\$819,988.30	N/A

Components

Actual Information Description	File Name
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Rigid Transmission Line -
copper, 3 1/8" broadband

Component Description: interim interior
transmission line
Amount: \$949.23

Component Description: transmission line
(less additional
cost of rigid line
upgrade), air dryer
35%
Amount: \$15,356.28

Component Description: transmission line
(less additional
cost for rigid line
upgrade), air dryer
50%
Amount: \$21,937.54

Component Description: transmission line
(5%)
Amount: \$2,193.75

Component Description: transmission line
(less additional
cost of rigid) and
air dryer (10%)
Amount: \$4,387.51

Component Description: 3 1/8" coax UHF
fine matcher
Amount: \$1,197.05

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	\$280,500.00	\$535,500.00		\$453,181.89	
Short Tower (less than 500')	\$84,200.00	\$345,000.00	KET obtained quotation of realistic scope of tower rigging work from reputable supplier. Please see attached Tower Work exhibit.	\$302,497.52	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$153,500.00	N/A	\$143,184.37	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	\$7,500.00	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

Sub-total	\$280,500.00	\$535,500.00	N/A	\$453,181.89	N/A
Total for all systems	\$1,019,930.00	\$1,227,312.65	N/A	\$819,988.30	N/A

Components

Actual Information

Description

File Name

Short Tower (less than 500')

Component Description: misc installation charges due to site flooding
Amount: \$18,450.00

Component Description: installation services (5%)
Amount: \$14,125.37

Component Description: installation services (35%)
Amount: \$98,877.56

Component Description: misc installation charge -- due to site flooding at WKOH
Amount: \$18,450.00

Component Description: eComm administration and support, and distribution services at the time of bidding- Electronics Research Inc contract
Amount: \$1,540.17

Component Description: installation services (10%)
Amount: \$28,250.74

Component Description: installation services (50%)
Amount: \$141,253.68

Minor tower reinforcement
/modifications

Component Description: eComm
administration and
support,
distribution
services at time of
bidding -- Allstate
Tower contract
Amount: \$637.50

Component Description: Second Installment
Tower Modification
Design
Amount: \$1,125.00

Component Description: Bid Phase Only -
RFB-198-18 billed
for rebid
distribution
services only
(Allstate Tower
contract)
Amount: \$46.87

Component Description: First Installment
Tower Modification
Design
Amount: \$3,375.00

Component Description: Third Installment
Tower Modification
Design
Amount: \$2,475.00

Component Description: tower mod
Amount: \$142,500.00

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study

Component Description: First Installment
Tower Mapping
Amount: \$1,023.00

Component Description: First Installment
Foundation
Mapping
Amount: \$3,500.00

Component Description: Second Installment
Tower Mapping
Amount: \$2,077.00

Component Description: Foundation
Mapping
Amount: \$3,500.00

Component Description: Second Installment
Tower Inspections
Amount: \$2,144.00

Component Description: Tower Mapping
Amount: \$1,023.00

Component Description: TIA Tower
Inspections and
Load Audits
Amount: \$1,156.00

Component Description: First Installment
Tower Inspections
Amount: \$1,156.00

Component Description: mapping complete
Amount: \$7,500.00

Load Study

Component Description: First Installment
Geotechnical
Studies
Amount: \$2,310.00

Component Description: Second Installment
Tower Structural
Analysis
Amount: \$450.00

Component Description: First Installment
Tower Structural
Analysis
Amount: \$2,550.00

Component Description: Second Installment
Geotechnical
Studies
Amount: \$4,690.00

Component Description: Geotechnical
Studies
Amount: \$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
Outside Professional Services	\$64,250.00	\$61,250.00		\$15,626.91	
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.	\$5,600.00	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	\$1,321.00	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
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$1,969.50	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
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$721.88	N/A
Project management of the transition	\$12,640.00	\$12,000.00	KET Staff require outside services to manage the upgrades.	\$1,902.03	N/A

Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$1,575.00	N/A
Sub-total	\$64,250.00	\$61,250.00	N/A	\$15,626.91	N/A
Total for all systems	\$1,019,930.00	\$1,227,312.65	N/A	\$819,988.30	N/A

Components

Actual Information	
Description	File Name
Progress and Transition Reports	Component Description: quarterly report Amount: \$87.50
	Component Description: quarterly report Amount: \$175.00
RF Exposure Measurements	Component Description: RF exposure studies Amount: \$5,600.00
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: Fourth Installment
Attorney Fees
Amount: \$99.00

Component Description: Second Installment
Attorney Fees
Amount: \$925.00

Component Description: Third Installment
Attorney Fees
Amount: \$198.00

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

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application

Component Description: New antenna and line specs
Amount: \$87.50

Component Description: Antenna and transmission line bid spec review and bid response review
Amount: \$700.00

Component Description: First Installment TV study analysis
Amount: \$962.50

Component Description: Hitachi and Gates Response review, new antenna and line specs
Amount: \$525.00

Component Description: TV study analysis, antenna spec, transition draft, CP
Amount: \$962.50

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

Component Description: reminder and
research re: repack
quarterly report
Amount: \$35.00

Component Description: public notice;
repack and
coordination of
linked station set
#44 for testing and
sequence of
transitioning stations
Amount: \$134.00

Component Description: Second Installment
Attorney Fees
Amount: \$234.50

Component Description: research re: WKOH
repack
dependencies and
linked station set;
prepare chart re:
same
Amount: \$105.00

Component Description: email re: progress
report deadline;
summary and email
re: dependencies
Amount: \$70.00

Component Description: First Installment
Attorney Fees
Amount: \$49.50

Component Description: repack legal
expenses
Amount: \$1,341.50

<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<p>Information not provided.</p>	
<p>Perform engineering study for new channel assignment and antenna development</p>	<p>Component Description: Amount:</p>	<p>Linked station neighbor analysis \$262.50</p>
	<p>Component Description: Amount:</p>	<p>First installment project startup \$459.38</p>
	<p>Component Description: Amount:</p>	<p>Second Installment Engineering Analysis \$1,137.50</p>
	<p>Component Description: Amount:</p>	<p>Review of site documentation and antennas, facility planning \$459.38</p>
<p>Project management of the transition</p>	<p>Component Description: Amount:</p>	<p>project management \$43.75</p>
	<p>Component Description: Amount:</p>	<p>Project management tasks \$43.75</p>
	<p>Component Description: Amount:</p>	<p>project management \$175.00</p>

Component Description: project management
Amount: \$43.75

Component Description: project management
Amount: \$43.75

Component Description: travel expenses -- invoice number highlighted and noted
Amount: \$10.78

Component Description: project management
Amount: \$87.50

Component Description: project management
Amount: \$218.75

Component Description: project management
Amount: \$175.00

Component Description: project management
Amount: \$743.75

Component Description: project management tasks
Amount: \$87.50

Component Description: project management
Amount: \$218.75

	<p>Component Description: travel expenses Amount: \$10.00</p>
<p>Prepare and or review reimbursement form</p>	<p>Component Description: Second Installment Reimbursement 399 Amount: \$175.00</p> <p>Component Description: 399 input and support Amount: \$175.00</p> <p>Component Description: 399 input and support Amount: \$1,400.00</p> <p>Component Description: First Installment Reimbursement Amount: \$1,400.00</p>

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		\$3,140.30	
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
MVPD Notification of Channel Change	<i>\$1,500.00</i>	\$1,500.00	KET estimate to search for and notify all cable companies.	\$1,118.75	N/A
Internal Labor	<i>\$2,000.00</i>	\$2,000.00	N/A	\$434.05	N/A
DTV Medical Facility Notification	\$11,550.00	\$5,000.00	GBC estimate based on known quotations	\$1,587.50	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$2,000.00</i>	\$2,000.00	KET estimate based on known costs.	N/A	N/A
Sub-total	\$19,050.00	\$12,500.00	N/A	\$3,140.30	N/A
Total for all systems	\$1,019,930.00	\$1,227,312.65	N/A	\$819,988.30	N/A

Components

Actual Information Description	File Name
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Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.
MVPD Notification of Channel Change	<p>Component Description: prepare letters to MVPDs, research and contact, prepare report</p> <p>Amount: \$1,118.75</p>

Internal Labor	Component Description: Amount:	payroll expenses for internal labor \$71.76
	Component Description: Amount:	payroll expenses for internal labor \$57.54
	Component Description: Amount:	payroll expenses for internal labor \$58.44
	Component Description: Amount:	payroll expenses for internal labor \$66.91
	Component Description: Amount:	payroll expenses for internal labor \$69.49
	Component Description: Amount:	payroll expenses for internal labor \$34.52
	Component Description: Amount:	payroll expenses for internal labor \$37.85
	Component Description: Amount:	payroll expenses for internal labor \$37.54
DTV Medical Facility Notification	Component Description: Amount:	medical notification \$1,587.50

Disposal Costs (for
equipment and other waste,
net of any salvage value)

Information not provided.

Cost Information **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$1,019,930.00	\$1,227,312.65	\$819,988.30

Reimbursement Status

Question	Response
The facility has ceased operating on its pre-auction channel.	Yes
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
	<p>Submission of Estimated Expenses Statements</p>	<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.

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

08/01/2021

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.

8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

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.

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

08/01/2021

Attachments