

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

34204 Service: DTV Facility Call **WCVN-TV** Channel: 22 (UHF) Sign:

ID:

File 0000026897

Number:

FRN: 0001790583 Date 03/04

> Submitted: /2020

Applicant Information

Applicant Name, Type, and Contact Information

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

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Greg Best Consulting Engineer Greg Best Consulting, Inc.	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

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

Primary Transmitter **Other Transmitter Cost Not Listed**

Transmitter Information not provided.

Antennas

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

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	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	53.5 kW

Manufacturer	
Model	TLP-16B (24)
Year	2001

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	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	39.9 kW
	Manufacturer	

Model 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		
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	Model	
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	Year	2017
ioi detaiis.	Justification for New Antenna	antenna is not broadband or able to be tuned to a new channel. New top mount reduces overall repack cost. Please see Repack

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel

	Feed Line Size	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

Other Antenna Cost Not Listed

Information not provided.

Transmission ^{Seffien}	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Transmission Line

Existing Transmission Line

on 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	Manufacturer	
Line Manufacturer and Type	Туре	Flexible Air
	Diameter	3 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	300 feet per run

New Transmission Line

Primary Transmission

n Line Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Туре	Rigid
	Diameter	3 1/8 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	370 feet per
	Justification for New Transmission Line	Installation of new broadband line makes possible the operation of the current facility while the tower is rigged and the construction of the new facility is underway. Licensee has chosen to upgrade to 3" rigid T-Line.

Other Transmission Line Expenses Not Listed Primary Other Transmission Transmission Internation not provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	No
Existing Tower	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1044039
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	39° 01' 51.0" N-
	Longitude (NAD83)	084° 30' 23.0" W-
	Overall Structure Height	312.33 feet
	Support Structure Height	297.57 feet
	Ground Elevation Above Mean Sea Level (AMSL)	828.40 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

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

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for undocumented /poorly documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	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.
Crane Services	Crane was required to displace fiber cable that prevented antenna installation.

Outside Professional

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

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

Outside Other Profession Professional Services Costs

Other Professional Services Expenses Not Listed

Services Costs	Description
Progress and Transition Reports	Engineering consultant costs not otherwise listed.

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	Yes
	Is Remediation needed?	Yes
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	\$292,461.00		\$156,663.88	
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$28,711.00	Estimated costs were based on catalog and actual costs exceeded estimated costs.	\$28,710.25	N/A
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	\$127,953.63	N/A
Sub-total	\$291,700.00	\$292,461.00	N/A	\$156,663.88	N/A
Total for all systems	\$1,040,100.00	\$1,272,950.29	N/A	\$798,582.32	N/A

Components

Actual Information	
Description	File Name

Service entrance 3 phase /800 amp/208 volt

Component Description: KET transmitter

building electrical

upgrades

Amount: \$120.00

Component Description: KET transmitter

building electrical

upgrade

Amount: \$60.00

Component Description: KET Transmitter

building electrical

upgrade

Amount: \$400.00

Component Description: KET Transmitter

building electrical

upgrade

Amount: \$650.00

Component Description: DECA Projects

\$100k-\$500k (.3% of contract price) (includes eComm admnistration and support, and distribution services at the time of bidding.)
Packs Inc contract

Amount: \$500.00

Component Description: KET transmitter

building electrical

upgrades 4mount: \$25,513.75

Component Description: KET transmitter building electrical upgrade \$30.00 Amount: **Component Description: KET Transmitter** building electrical upgrade Amount: \$730.00 **Component Description: KET Transmitter Building Electrical** Upgrade \$6.00 Amount: **Component Description:** KET transmitter building electrical upgrade Amount: \$445.50 **Component Description: KET** transmitter building electrical upgrade **Amount:** \$205.00 **Component Description: KET Transmitter** building electrical upgrade **Amount:** \$50.00 3" Rigid Conduit and Wiring Information not provided.

Information not provided.

(Cost per foot)

amp

Switchgear - industrial 800

UHF - Air Cooled Solid State Transmitter 4 - 6 kW

Component Description: transmitter, rf

system, electrical

system,

installation & proof, freight

Amount: \$127,153.25

Component Description: eComm admin

and support,

distribution

services at time of bidding - GatesAir,

RFP-48-19

Amount: \$362.88

Component Description: Antenna & line

spec

Amount: \$437.50

Cost Information

Antennas

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

	Due determine d	Estimated	Estimated		A - 4 1 C
Description	Predetermined Cost Estimate	Cost	Cost Justification	Actual Cost	Actual Co
Primary Antenna ATW17H3- ETO-22H	\$303,830.00	\$254,900.00		\$147,046.25	
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.	\$134,546.25	N/A
Sweep test of existing antenna	\$6,730.00	\$12,500.00	the third sweep was to confirm the performance of the existing transmission line, before it was disconnected from the current DTV antenna. This was included at every site where the existing DTV transmission line was reused to feed the new main	\$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	\$147,046.25	N/A
Total for all systems	\$1,040,100.00	\$1,272,950.29	N/A	\$798,582.32	N/A

Components

Actual Information	
Description	File Name

UHF - High Power Top Mount (200-1000 kW), One station antenna, elliptically or circularly polarized

Component Description: antenna (less

vpol) and replacement lighting (35%)

Amount: \$46,984.00

Component Description: antenna (less

vpol) and replacement lighting (10%)

Amount: \$13,424.00

Component Description: antenna (less

vpol) and replacement lighting (5%)

Amount: \$6,712.00

Component Description: antenna (less

vpol) and replacement lighting (50%)

Amount: \$67,120.00

Component Description: Antenna gain and

TPO Evaluation and revision of specifications

Amount: \$306.25

Sweep test of existing		
antenna	Component Description:	system sweep
		(35%)
	Amount:	\$4,375.00
	Component Description:	system sweep
		(5%)
	Amount:	\$625.00
	Component Description:	system sweep
		(10%)
	Amount:	\$1,250.00
	Component Description:	system sweep
		(50%)
	Amount:	\$6,250.00
Elbow complex, single	Information not provided.	
channel, at antenna input,		

Cost Information

Transmission Line

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

Description Primary Transmission Line	Predetermined Cost Estimate \$44,400.00	Estimated Cost \$78,832.29	Estimated Cost Justification	Actual Cost \$39,720.16	Actual Cost Justification
Rigid Transmission Line - copper, 3 1 /8" broadband	\$44,400.00	\$78,832.29	See quotation from ERI based upon required work and supplemental information regarding transmission line upgrade costs. Cost includes T- Line and dryer. Licensee confirms it is responsible for upgrade cost.	\$39,720.16	N/A
Sub-total	\$44,400.00	\$78,832.29	N/A	\$39,720.16	N/A
Total for all systems	\$1,040,100.00	\$1,272,950.29	N/A	\$798,582.32	N/A

Components

Actual Information		
Description	File Name	

Rigid Transmission Line - copper, 3 1/8" broadband

Component Description: transmission line

(less additional cost of rigid) and air dryer (35%)

Amount: \$13,902.07

Component Description: transmission line

(less additional cost for rigid) and air dryer (10%)

Amount: \$3,972.02

Component Description: transmission line

(5%)

Amount: \$1,986.00

Component Description: transmission line

(less additional cost for rigid) and air dryer (50%)

Amount: \$19,860.07

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 Cos
Primary Tower TOWER	\$308,980.00	\$563,980.00		\$437,462.26	
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.	\$236,372.88	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$153,500.00	N/A	\$145,659.38	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	\$17,400.00	N/A
Crane Services	\$28,480.00	\$28,480.00	Crane was required to displace backhaul fiber line in order to allow antenna installation to occur.	\$28,480.00	N/A

Load Study	\$12,000.00	\$12,000.00	Structural engineering tower load study is required to design tower reinforcements and rigging.	\$9,550.00	N/A
Sub-total	\$308,980.00	\$563,980.00	N/A	\$437,462.26	N/A
Total for all systems	\$1,040,100.00	\$1,272,950.29	N/A	\$798,582.32	N/A

Components

Actual Information	
Description	File Name

Short Tower (less than 500')

Component Description: installation

services (35%)

Amount: \$82,191.45

Component Description: installation

services (5%)

Amount: \$11,741.64

Component Description: 3rd submission:

eComm

administration and

support, distribution

services at time of

bidding --Electronics Research, Inc. contract - RFP-96-

19

Amount: \$1,540.17

Component Description: installation

services (50%)

Amount: \$117,416.35

Component Description: installation

services (10%)

Amount: \$23,483.27

Minor tower reinforcement /modifications

Component Description: eComm

administration and

support, distribution

services at time of bidding -- Allstate Tower contract

Amount: \$637.50

Component Description: eComm

administration and

support, distribution

services at time of bidding -- Allstate Tower contract RFB-198-18

Amount: \$46.88

Component Description: First Installment

Tower Modification

Amount: \$4,500.00

Component Description: Second Installment

Tower Modification

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:

Second Installment Tower Inspections

Amount:

\$2,111.00

Component Description:

First Installment
Tower Inspections

Amount:

\$1,189.00

Component Description:

Amount:

mapping complete

\$7,500.00

Component Description:

First Installment Tower Mapping

Amount:

\$1,023.00

Component Description:

Second Installment

Tower Mapping \$2,077.00

Amount:

Component Description: First Installment

Foundation Mapping

Amount:

\$3,500.00

Crane Services

Component Description:

crane services to

swap top antenna

(50%)

Amount: \$14,240.00

Component Description:

crane services to swap top antenna

(remaining 50%)

Amount: \$14,240.00

Load Study **Component Description:** First Installment **Tower Structural** Analysis Amount: \$2,550.00 **Component Description:** Second Installment Geotechnical Studies Amount: \$4,690.00 **Component Description:** First Installment Geotechnical Studies Amount: \$2,310.00 Second Installment **Component Description:**

Tower Structural

Analysis

\$450.00 Amount:

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$43,200.00	\$42,777.00		\$14,549.49	
Progress and Transition Reports	\$4,000.00	\$4,000.00	Engineering consultant costs not otherwise listed.	\$787.50	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	\$668.93	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	\$481.25	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$3,777.00	Estimated costs were based on catalog, and actual costs exceeded estimates.	\$3,626.50	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$1,235.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,712.50	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$721.87	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$1,487.50	N/A
Project management of the transition	\$12,640.00	\$12,000.00	KET Staff require outside services to manage the upgrades.	\$2,828.44	N/A
Sub-total	\$43,200.00	\$42,777.00	N/A	\$14,549.49	N/A
	\$1,040,100.00	\$1,272,950.29	N/A	\$798,582.32	N/A

Components

Actual Information Description	File Name	
Progress and Transition Reports	Component Description: Amount:	quarterly progress report \$437.50
	Component Description: Amount:	quarterly progress report \$350.00
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Component Description:	notice of proposed tower height increase in newspaper & online
	Amount:	\$143.93
	Component Description:	FAA follow up with project status report
	Amount:	\$175.00
	Component Description: Amount:	FAA Inquiry \$350.00
ASR modification (prepare FCC Form 854)	Component Description:	ASR mod app followup
	Amount:	\$131.25
	Component Description: Amount:	ASR Issue Resolution \$350.00
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover		

Application

Component Description: Second Installment
Attorney Fees 2100

Amount: \$320.50

Component Description: First Installment

Attorney Fees 2100

Amount: \$49.50

Component Description: email re: FCC

shutdown, repack filings, other repack related work during shutdown; work on MVPD notifications and obligations

Amount: \$544.50

Component Description: reminder and

research re: quarterly repack report and

progress reports

Amount: \$134.00

Component Description: repack issues re:

tower work
disrupting FM
stations

Amount: \$148.50

Component Description: email reminder re:

repack progress report; prepare summary and email re: dependencies

Amount: \$70.00

Component Description: repack issues re:

reimbursement process; engaging a project manager; email re: same

Amount: \$198.00

Component Description: prepare chart re:

WCVN's repack dependencies and linked station set

Amount: \$105.00

Component Description: work on transition

timing and other issues for repack

Amount: \$148.50

Component Description: Repack phase 6

legal expenses

Amount: \$1,526.50

Component Description: work on review and

analysis of RFP for

repack

reimbursement assistance \$198.00

Component Description: public notice;

Amount:

repack &

coordination of linked station for testing and sequence of transitioning stations

Amount: \$134.00

	Component Description: Amount:	Environmental review \$49.50
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Second Installment Attorney Fees \$839.00
	Component Description: Amount:	Third Installment Attorney Fees \$99.00
	Component Description: Amount:	Fourth Installment Attorney Fees \$198.00
	Component Description: Amount:	First Installment Attorney Fees \$99.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	

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

Amount:

Component Description: First Installment

CP Prepare \$1,400.00

Component Description: Antenna and

transmission line bid spec review and bid response

review

Amount: \$700.00

Component Description: Hitachi and

GatesAir response

review, new antenna and line

specs

Amount: \$525.00

Component Description: new antenna and

line specs

Amount: \$87.50

Perform engineering study for new channel assignment and antenna development

Component Description: Review of site

documentation and antennas, facility

planning

Amount: \$459.37

Component Description: Linked station

neighbor analysis

Amount: \$262.50

Component Description: Non-Reimbursable,

\$0.00 requested

Amount: N/A

Component Description: First Installment

Engineering Study

Amount: \$459.37

Component Description: Third Installment

Engineering Study

Amount: \$2,100.00

Prepare and or review reimbursement form

Component Description: Second Installment

399 Form

Amount: \$87.50

Component Description: First Installment

399 Form

Amount: \$1,400.00

Project management of the transition

Component Description: Travel expenses -

invoice number highlighted and

labeled

Amount: \$156.25

Component Description: project

management

Amount: \$175.00

Component Description: Roy Paxton travel

for electrical work with generator, Aug

25-30, 2019

Amount: \$755.91

Component Description: project

management tasks

Amount: \$87.50

Component Description: project

management

Amount: \$87.50

Component Description: Travel expenses -

INVOICE

NUMBER noted on

travel voucher

Amount: \$561.00

Component Description: project

management

Amount: \$481.25

Component Description: travel expenses

Amount: \$294.50

Component Description: travel expenses

Amount: \$10.78

Component Description: project

management

Amount: \$175.00

Component Description: project

management

Amount: \$43.75

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost
Other Expenses	\$47,990.00	\$40,000.00		\$3,140.28	
Internal Labor	\$2,000.00	\$2,000.00	N/A	\$434.03	N/A
MVPD Notification of Channel Change	\$1,500.00	\$1,500.00	KET estimate to search for and notify all cable companies.	\$1,118.75	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)	\$2,000.00	\$2,000.00	KET estimate based on known costs.	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$5,000.00	GBC estimate based on known quotations	\$1,587.50	N/A
AM Pattern Disturbance Remedy	\$21,050.00	\$20,000.00	N/A	N/A	N/A
AM Pattern Disturbance Impact study	\$7,890.00	\$7,500.00	N/A	N/A	N/A
Sub-total	\$47,990.00	\$40,000.00	N/A	\$3,140.28	N/A

Total for all \$1,040,100.00 \$1,272,950.29 N/A \$798,582.32 N/A **systems**

Components

Actual Information

Description File Name

Internal	Labor
IIIICIIIai	Labor

Component Description: payroll expenses

for internal labor

Amount:

\$66.91

Component Description: payroll expenses

for internal labor

Amount: \$57.54

payroll expenses

for internal labor

Amount: \$37.85

Component Description:

Component Description: payroll expenses

for internal labor

Amount: \$71.75

Component Description: payroll expenses

for internal labor

\$37.55 **Amount:**

Component Description: payroll expenses

for internal labor

Amount: \$58.43

Component Description: payroll expenses

for internal labor

\$69.49 **Amount:**

Component Description: payroll expenses

for internal labor

Amount: \$34.51

MVPD Notification of Channel Change	Component Description:	prepare letters to MVPDs, research and contact all MVPDs, prepare report for station
	Amount:	\$1,118.75
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	Component Description:	medical
	Amount:	notification \$1,587.50
AM Pattern Disturbance Remedy	Information not provided.	
AM Pattern Disturbance Impact study	Information not provided.	

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$1,040,100.00	\$1,272,950.29	\$798,582.32

Reimbursem	entestiatus	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

Section Question Response

Submission of Estimated Expenses Statements

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.

- 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 abovenamed applicant for the Authorization(s) specified above. Shae
Hopkins
Executive
Director

03/04/2020

Section Question Response

Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).

- 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.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- 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 abovenamed applicant for the Authorization(s) specified above. Shae
Hopkins
Executive
Director

03/04/2020

Attachments