Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **77677** | Service: **DCA** | Call Sign: **WAPK-CD** | Channel: **16 (UHF)**

File Number: **0000026125**

FRN: **0001770163** | Date Submitted: **01/11/2021**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
Holston Valley Broadcasting Corporation	N. David Widener 222 Commerce Street Kingsport, TN 37660 United States	+1 (423) 246-9578	davidw@wtfm.com	Corporation

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
The Preparer is same as the reimbursement contact.			

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.	Yes
Briefly describe transition plan	tower and building is shared with these stations

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?	Yes
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	TAU 2-5K00AA
	Year	2003
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	1 kW

Facility ID's and Call Signs of all stations with whom the transmitter is shared.

Facility ID	Call Sign
27504	WKPT-TV

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	EC702HP-BB
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	1.5 kW
	Justification for New Transmitter	We need to keep our existing channel 36 signal on the air while we build out our new assigned channel 16.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A

	Length	N/A
	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 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

Name	Description
Burk Arc Plus Touch V5	Upgrade of remote control system to be compatible with the new Comark transmitter

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?	Yes
Existing Antenna Manufacturer and Type	Class	Class A
	Mounting	Side Mount
	Antenna position in stack	Middle
	Polarization	Horizontal
	Type	Other
	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	6 Parapanels
	ERP: (Effective Radiated Power)	15.0 kW

Manufacturer	
Model	SCA-4DR4S
Year	2003

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?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Types	Class	Class A
	Mounting	Side Mount
	Antenna position in stack	Middle
	Polarization	Horizontal
	Type	Other
	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	Parapanel
	ERP: (Effective Radiated Power)	9.63 kW
	Manufacturer	
	Model	PSILP8-16

	Year	2018
	Justification for New Antenna	We need a new antenna because they are channel specific and we are moving from 36 to 16.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
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 Foam
	Diameter	1 5/8 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	185 feet per run

Primary Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Flexible Foam
	Diameter	1 5/8 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	150 feet per run
	Justification for New Transmission Line	We have to have a new antenna so we will need additional transmission line to keep both channels on air. The new location of the antenna and the transmitter will require additional length of line.

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

Interim Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Flexible Foam
	Diameter	1 5/8 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	1
	Length	310 feet per run
	Justification for New Transmission Line	To serve the existing primary antenna when it is moved to a nearby rental tower for interim operation through the transition

Interim Transmission Line

Other Transmission Line Expenses Not Listed

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	Move Equipment
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Terrain Constrained
	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?	Yes
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1042697
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	36° 25' 54.7" N-
	Longitude (NAD83)	082° 08' 15.2" W-
	Overall Structure Height	228.02 feet
	Support Structure Height	174.21 feet
	Ground Elevation Above Mean Sea Level (AMSL)	4159.07 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	Nexstar Broadcasting, Inc.
Date Constructed	02/26/2015

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
57826	WJHL-TV	DTV

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Terrain constrained
Helicopter Services Required	Are helicopter services required?	No

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Tower Lease	Rent for 7 months use of tower for WAPK interim antenna
Pipe to pipe clamps	Clamps to mount existing antenna on Interim tower

Primary Tower

Add 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?	Terrain Constrained
	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?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1054538
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	36° 25' 53.0" N-
	Longitude (NAD83)	082° 08' 15.0" W-
	Overall Structure Height	225.72 feet
	Support Structure Height	169.29 feet
	Ground Elevation Above Mean Sea Level (AMSL)	4172.85 feet
	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	HOLSTON VALLEY BROADCASTING CORPORATION
	Date Constructed	10/01/1994

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
27489	WTFM	FM
27490	WOPI-CD	DTV
27504	WKPT-TV	DTV
77676	WAPW-CD	DTV

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Serious Reinforcements needed

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Terrain constrained
Helicopter Services Required	Are helicopter services required?	Yes

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Additional antenna and line installation-removal	Additional antenna and line installation-removal

Additional foundation work due to rock	Additional foundation work due to rock
Credit for reduced scope	Credit for reduced scope

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	8
	Explanation	To prepare and submit quarterly reports and special progress reports near the end of the phase
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	Yes
	Quantity	1
	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	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	No
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Other Engineering Services	Engineering services not included in any other Form 399 OPS section

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?	Yes
	Does this relocation require Equipment Storage?	No
	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
FCC License to Cover Filing Fee	FCC License to Cover Filing Fee
Site Earth Work	Station states 'We may need our tower site graded to remove the ruts and sow grass. There is hardly any grass left since we were working thru winter, with backhoe burying the electrical line and the trucks have made the ground difficult to walk on now.'
Electrical	Electrical

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 EC702HP-BB	**$205,487.26**	**$83,828.13**		**$83,828.12**	
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	$126,000.00	$4,340.87	Transmitter and Electrical Supplies	$4,340.87	x
Burk Arc Plus Touch V5	***$160.05***	$160.05	The prior entry for remote control is locked. Adding this item to reflect the difference. The total amount for 50% of the remote control (shared between WAPK and WKPT) will total $3,201.02 by adding this amount of $160.05.	$160.04	N/A

UHF - Air Cooled Solid State Transmitter 0.85 kW	***$76,286.24***	$76,286.24	***System Notice: Estimate adjusted and locked because line has been superseded. ***new Comark quote for one-step up transmitter because the existing transmitter has more than 10 pct headroom. Increased estimate 11/22/18 to include sales tax	$76,286.24	Sales Tax was added after the quote was accepted for the transmitter sale

Remote Control Upgrade	***$3,040.97***	$3,040.97	***System Notice: Estimate adjusted and locked because line has been superseded. ***50 pct of the cost to upgrade the Burk remote control to be compatible with the new Comark transmitters. Increased to include shipping. See Invoice S10288-1.	$3,040.97	The sub-total is equal to the Estimated Cost.
Sub-total	$205,487.26	$83,828.13	N/A	$83,828.12	N/A
Total for all systems	$2,303,941.63	$535,612.93	N/A	$473,199.88	N/A

Components

Actual Information Description	File Name

UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	**Component Description:** **Amount:**	Transmitter electric supplies $3.40
	Component Description: **Amount:**	Transmitter electric supplies $58.43
	Component Description: **Amount:**	50% split for Transmitter Electrical Supplies for WAPK and WKPT $263.98
	Component Description: **Amount:**	Final payment for new transmitter $4,015.06
Burk Arc Plus Touch V5	**Component Description:** **Amount:**	Final payment for remote control upgrade; cost split between WAPK and WKPT $160.04
UHF - Air Cooled Solid State Transmitter 0.85 kW	**Component Description:** **Amount:**	50 pct down payment for new transmitter for WAPK $40,150.65
	Component Description: **Amount:**	45% progress payment for transmitter $36,135.59

Remote Control Upgrade	**Component Description:**	WAPK Share of 50 pct down payment. See cover letter for rounding and splitting calculations
	Amount:	$1,600.51
	Component Description:	WAPK 50% share of 45% progress payment for shared remote control for WKPT and WAPK
	Amount:	$1,440.46

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 PSILP8-16	**$33,030.00**	**$13,820.82**		**$7,420.82**	
UHF - Lower Power Side Mount, Class A One Station antenna -- basic	$26,300.00	$7,420.82	revised quote from PSI for new LP8 antenna. Price includes deliver. 3-14-19 added elbow for antenna connection.	$7,420.82	Please note that the antenna make and model are the same on the quote and invoice (second line under description).
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	N/A	N/A
Sub-total	$33,030.00	$13,820.82	N/A	$7,420.82	N/A
Total for all systems	$2,303,941.63	$535,612.93	N/A	$473,199.88	N/A

Components

Actual Information Description	File Name

UHF - Lower Power Side Mount, Class A One Station antenna -- basic	**Component Description:** **Amount:**	Down Payment for Primary Antenna $3,337.95
	Component Description: **Amount:**	Elbow for primary antenna, including tax and freight $314.92
	Component Description: **Amount:**	PSI inv #1940DP Down Payment for Primary Antenna UL20190429jgv2 $3,337.95
	Component Description: **Amount:**	Final Payment for Primary Antenna $3,767.95
	Component Description: **Amount:**	PSI inv #1940 Final Payment for Primary Antenna UL20190429jgv2 $3,767.95
Sweep test of existing antenna	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
Interim Transmission Line	**$7,440.00**	**$5,667.34**		**$5,667.34**	
Flexible Foam Transmission Line - dielectric, 1 5 /8"	$7,440.00	$5,667.34	N/A	$5,667.34	x
Primary Transmission Line	**$3,600.00**	**$3,826.94**		**$3,736.54**	
Flexible Foam Transmission Line - dielectric, 1 5 /8"	$3,600.00	$3,826.94	Total cost of TL includes $414.34 delivery, which will not be entered into the Other Expenses category. This has caused the total to slightly exceed the Predetermined Cost.	$3,736.54	N/A
Sub-total	$11,040.00	$9,494.28	N/A	$9,403.88	N/A
Total for all systems	$2,303,941.63	$535,612.93	N/A	$473,199.88	N/A

Components

Actual Information Description	File Name

Flexible Foam Transmission Line - dielectric, 1 5/8"

Component Description: items needed to clean, prepare and install brass ends on the transmission lines
Amount: $48.30

Component Description: items needed to clean, prepare and install brass ends on the transmission lines
Amount: $10.32

Component Description: items needed to clean, prepare and install brass ends on the transmission lines
Amount: $28.02

Component Description: Clamps to hang Transmission line
Amount: $26.82

Component Description: Tie straps to attach Transmission line to tower
Amount: $79.92

Component Description: Components to clean, prep, install Line ends
Amount: $50.56

	Component Description:	Interim Transmission Line. See attached Quote for WAPK-CD
	Amount:	$5,400.04
	Component Description:	items needed to clean, prepare and install brass ends on the transmission lines
	Amount:	$23.36
Flexible Foam Transmission Line - dielectric, 1 5/8"	**Component Description:**	Fastenal TNKIN220902 v190514pmv1
	Amount:	$72.33
	Component Description:	Fastenal TNKIN221074 v190514pmv1
	Amount:	$18.07
	Component Description:	Primary Transmission Line. See attached Quote for WAPK
	Amount:	$3,646.14

Cost Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	**$1,540,355.00**	**$331,239.01**		**$311,860.01**	
Credit for reduced scope	***$0.00***	$0.00	See attached / uploaded PDF file titled "FDH Stainless Change Order amd v201106jgv1.pdf"	($12,034.50)	N/A
Additional antenna and line installation-removal	***$35,957.00***	$35,957.00	See attached / uploaded PDF file titled "FDH Stainless Change Order amd v201106jgv1.pdf"	$35,957.00	N/A
Additional foundation work due to rock	***$8,798.00***	$8,798.00	See attached / uploaded PDF file titled "FDH Stainless Change Order amd v201106jgv1.pdf"	$8,798.00	N/A

Structural engineering tower load study for well documented tower	$12,600.00	$2,750.00	SA for Interim Leased Tower shared between WAPK and WKPT	$2,750.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	$421,000.00	$37,935.50	N/A	$30,591.00	N/A
Serious tower reinforcement /modifications	$1,052,000.00	$235,798.51	See submitted Invoices & Quotes.	$235,798.51	x
Tower Helicopter Lift	***$10,000.00***	$10,000.00	The station states "We have an email from the FCC approving this.", and see attached / uploaded PDF file titled "FDH Stainless Change Order amd v201106jgv1.pdf"	$10,000.00	N/A
Primary Tower GTOWER	**$438,011.60**	**$33,907.92**		**$15,685.67**	

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	$421,000.00	$16,896.32	The Invoice herein and Quote is for hanging and then removing the WKPT, WAPK and WTFM temporary antennas on the WJHL adjacent tower to the permanent WKPT / WAPK / WTFM tower	$6,896.32	N/A
Pipe to pipe clamps	***$344.94***	$344.94	N/A	$344.94	N/A
Tower Lease	***$16,666.66***	$16,666.66	Rent for 7 months through Phase 2 for WAPK interim antenna	$8,444.41	N/A
Sub-total	$1,978,366.60	$365,146.93	N/A	$327,545.68	N/A
Total for all systems	$2,303,941.63	$535,612.93	N/A	$473,199.88	N/A

Components

Actual Information Description	File Name	
Credit for reduced scope	**Component Description:** **Amount:**	FDH SIN007149 v201116jgv1 ($12,034.50)

Additional antenna and line installation-removal	**Component Description:** **Amount:**	FDH SIN007149 v201116jgv1 $35,957.00
Additional foundation work due to rock	**Component Description:** **Amount:**	FDH SIN007149 v201116jgv1 $8,798.00
Structural engineering tower load study for well documented tower	**Component Description:** **Amount:** **Component Description:** **Amount:**	50% split of 50% down payment for Interim Tower structural Analysis $1,375.00 50% split of final 50% payment for Interim Tower structural Analysis $1,375.00

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	**Component Description:**	30 pct down payment of 50 pct of the cost for rigging and antennas line installation
	Amount:	$9,177.30
	Component Description:	FDH E-186832 v190702jgv1
	Amount:	$3,059.10
	Component Description:	60 percent progress payment for tower modifications and rigging
	Amount:	$18,354.60

Serious tower reinforcement/modifications	**Component Description:**	Dug 110 ft ditch to bury overhead electrical lines
	Amount:	$3,000.00
	Component Description:	FDH E-186832 v190702jgv1
	Amount:	$23,266.80
	Component Description:	30 pct down payment for 50 pct of the cost for tower reinforcement modifications
	Amount:	$69,800.40
	Component Description:	Kendall S107883800.001 v190514pmv1
	Amount:	$57.04
	Component Description:	Kendall S107865256.001 v190514pmv1
	Amount:	$73.47
	Component Description:	Construction services for tower modification and antenna line installation
	Amount:	$139,600.80
Tower Helicopter Lift	**Component Description:**	FDH SIN007149 v201116jgv1
	Amount:	$10,000.00

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	**Component Description:** **Amount:**	FDH inv #E-177456 Install and remove temp ants on WJHL tower pmt 1 UL20190424jgv1 $2,448.16
	Component Description: **Amount:**	One half share of down payment for tower structural analysis for WAPK $1,000.00
	Component Description: **Amount:**	FDH inv #E-184004 Install and remove temp ants on WJHL tower pmt 2 UL20190424jgv1 $2,448.16
	Component Description: **Amount:**	One half cost of Balance due of tower Structural Analysis for WAPK $1,000.00
Pipe to pipe clamps	**Component Description:** **Amount:**	Pipe-to-pipe clamps for interim antenna mount on interim tower $344.94

Tower Lease	**Component Description:**	Monthly payment for tower rent for WAPK interim antenna
	Amount:	$1,666.66
	Component Description:	WAPK share of Tower Rent Payment 3
	Amount:	$1,666.66
	Component Description:	Share of Interim Tower rent
	Amount:	$1,666.66
	Component Description:	WJHL inv #6 Share of Interim Tower rent pmt 6 UL20190424jgv1
	Amount:	$111.11
	Component Description:	Lease payment for tower space for interim antennas
	Amount:	$1,666.66
	Component Description:	Monthly tower rent payment for WAPK interim antenna
	Amount:	$1,666.66

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	**$50,344.00**	**$45,949.00**		**$33,205.33**	
Prepare and or review reimbursement form	$2,630.00	$12,832.00	The Estimated Cost includes Form 399 submissions including ongoing Actual Cost invoice prep and submission, and amendments as needed.	$12,832.00	N/A
Other Engineering Services	***$16,790.00***	$16,790.00	Engineering services not included in any other OPS section	$12,240.00	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	$2,105.00	$275.00	N/A	$183.33	N/A
ASR modification (prepare FCC Form 854)	$2,105.00	$1,500.00	N/A	N/A	N/A

Attorney Fees - Prepare and File request for Special Temporary Authorization	$3,680.00	$3,585.00	N/A	$550.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	$2,365.00	$1,000.00	N/A	$350.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	$5,260.00	$3,750.00	See attached invoices and quotes (if applicable).	$3,150.00	N/A
Prepare request for Special Temporary Authorization	$2,050.00	$1,535.00	See attached / uploaded PDF file titled "KGA 964-06 v191223jgv1.pdf"	$0.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	$1,580.00	$1,000.00	N/A	$300.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$2,000.00	N/A	$1,950.00	N/A

Project management of the transition	$1,264.00	$1,682.00	It will be necessary to schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399s. Station does not have available personnel or personnel trained in project management for such complex projects.	$1,650.00	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$0.00	included in CP application costs	N/A	N/A
Sub-total	$50,344.00	$45,949.00	N/A	$33,205.33	N/A
Total for all systems	$2,303,941.63	$535,612.93	N/A	$473,199.88	N/A

Components

Actual Information Description	File Name	
Prepare and or review reimbursement form	**Component Description:** **Amount:**	KGA 964-147 v200605jgv1 $100.00

Component Description: KGA 964-172 v200911jgv1
Amount: $50.00

Component Description: KGA 964-108 v200211jgv1
Amount: $100.00

Component Description: KGA 964-70 v190816jgv1
Amount: $600.00

Component Description: KGA 964-79 v191021jgv1
Amount: $750.00

Component Description: KGA 964-117 v200311jgv1
Amount: $50.00

Component Description: KGA 964-153 v200708jgv1
Amount: $125.00

Component Description: KGA 964-184 v201110jgv1
Amount: $150.00

Component Description: KGA 964-90 v191112jgv1
Amount: $200.00

Component Description: KGA 964-62 v190610pmv1
Amount: $2,597.50

Component Description:	KGA 964-191 v210111jgv1
Amount:	$225.00
Component Description:	KGA 964-94 v191222jgv1
Amount:	$75.00
Component Description:	KGA 964-66 v190708jgv1
Amount:	$95.00
Component Description:	KGA 964-123 v200407jgv1
Amount:	$75.00
Component Description:	KGA inv #964-54 AC invs RG Mar 2019 UL20190422jgv1
Amount:	$850.00
Component Description:	KGA 964-61 v190524jgv1
Amount:	$150.00
Component Description:	KGA 964-103 v200114jgv1
Amount:	$225.00
Component Description:	KGA 964-167 v200813jgv1
Amount:	$325.00
Component Description:	KGA 964-176 v201006jgv1
Amount:	$100.00

Component Description:	KGA 964-141 v200506jgv1
Amount:	$275.00
Component Description:	KGA inv #964-40 AC invs RG Feb 2019 UL20190409jgv1
Amount:	$1,450.00
Component Description:	KGA inv #964-46 AC invs JG Mar 2019 UL20190409jgv1
Amount:	$150.00
Component Description:	KGA 964-57 v190513pmv1
Amount:	$2,414.50
Component Description:	KGA 964-188 v201208jgv1
Amount:	$1,575.00
Component Description:	KGA 964-75 v190914jgv1
Amount:	$75.00
Component Description:	KGA inv #964-47 AC invs JG Nov 2018 UL20190409jgv1
Amount:	$50.00
Other Engineering Services	

Component Description:	Repack engineering services for November 2018
Amount:	$609.50
Component Description:	Amend 399 for WAPK
Amount:	$265.00
Component Description:	Delawder 5272 v190521jgv2
Amount:	$150.00
Component Description:	KGA 964-182 v201104jgv1
Amount:	$450.00
Component Description:	FCC STA application to operate on Interim tower
Amount:	$1,535.00
Component Description:	FCC Technical portion of STA application for interim operation
Amount:	$1,535.00
Component Description:	RF design associated with a revised plan for the channel change leading to a 399 amendment for WAPK
Amount:	$3,437.50

	Component Description: **Amount:**	Prepare and submit ACI Actual Cost Invoices $1,500.00
	Component Description: **Amount:**	Prepare and submit actual cost invoices $3,564.25
	Component Description: **Amount:**	399 Amendment $728.75
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	**Component Description:** **Amount:**	KGA inv #964-34 FAA for WAPK-WKPT-WOPI UL20190424jgv2 $183.33
	Component Description: **Amount:**	Prep and file FAA 7460-1; cost split between WAPK and WKPT $275.00
ASR modification (prepare FCC Form 854)	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	**Component Description:** **Amount:**	STA for repack station WAPK interim operation on tower leased from WJHL $550.00
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	**Component Description:** **Amount:**	DJK 864 v190513pmv1 $350.00

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:** **Component Description:** **Amount:**	Reimbursement for part of invoice covering initial CP application July 6 Form 2100 $2,800.00 DJK 864 v190513pmv1 $350.00
Prepare request for Special Temporary Authorization	**Component Description:** **Amount:**	KGA 964-06 v191223jgv1 $1,535.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	**Component Description:** **Amount:**	Delawder 5272 v190521jgv2 $300.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:** **Component Description:** **Amount:**	Delawder 5272 v190521jgv2 $600.00 Engineering for CP application main facility WAPK $1,350.00
Project management of the transition	**Component Description:** **Amount:**	KGA 964-158 v200710jgv1 $150.00

Component Description:	KGA 964-181 v201015jgv1
Amount:	$150.00
Component Description:	Progress Report 4Q18
Amount:	$150.00
Component Description:	KGA 964-83 v191028jgv1
Amount:	$150.00
Component Description:	KGA 964-135 v200413jgv1
Amount:	$150.00
Component Description:	KGA 964-132 v200413jgv1
Amount:	$150.00
Component Description:	FCC 387 progress report 2Q18 WAPK
Amount:	$150.00
Component Description:	KGA inv #964-53 Form 387 2019 Q1 UL20190429jgv1
Amount:	$150.00
Component Description:	Prog Rpt Form 387 3Q2018
Amount:	$150.00

	Component Description: **Amount:** **Component Description:** **Amount:**	Prep and submit Form 387 for 10 weeks prior to transition $150.00 KGA 964-128 v200413jgv1 $150.00
Perform engineering study for new channel assignment and antenna development	Information not provided.	

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	**$25,673.77**	**$17,373.77**		**$11,796.05**	
Electrical	***$5,098.77***	$5,098.77	This expense is for electrical work.	$5,098.77	N/A
FCC License to Cover Filing Fee	***$335.00***	$335.00	FCC License to Cover Filing Fee	$335.00	N/A
MVPD Notification of Channel Change	***$2,190.00***	$2,190.00	The station needed to re-send its MVPD notifications to specify the actual Transition date instead of just "Phase 2".	$2,190.00	N/A
Develop and air announcement of upcoming channel change	***$0.00***	$0.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	***$1,000.00***	$1,000.00	N/A	$823.83	N/A
DTV Medical Facility Notification	$11,550.00	$3,250.00	N/A	$3,080.00	N/A

Site Earth Work	***$5,000.00***	$5,000.00	Station states 'We may need our tower site graded to remove the ruts and sow grass. There is hardly any grass left since we were working thru winter, with backhoe burying the electrical line and the trucks have made the ground difficult to walk on now.'	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	***$500.00***	$500.00	Estimate is to cover rental truck, rental truck fuel and landfill fee for disposal of old station equipment replaced by new Repack equipment.	$268.45	N/A
Sub-total	$25,673.77	$17,373.77	N/A	$11,796.05	N/A
Total for all systems	$2,303,941.63	$535,612.93	N/A	$473,199.88	N/A

Components

Actual Information Description	File Name	
Electrical	**Component Description:** **Amount:**	E Electric inv #201904162019 Electrical work UL20190422jgv1 $5,098.77
FCC License to Cover Filing Fee	**Component Description:** **Amount:**	FCC inv #0000070481 Lic to Cover filing fee WAPK UL20190410jgv1 $335.00
MVPD Notification of Channel Change	**Component Description:** **Amount:** **Component Description:** **Amount:**	Prepare and mail MVPD notifications $1,660.00 KGA inv #964-39 Revised MVPD notifications resent UL20190326jgv1 $530.00
Develop and air announcement of upcoming channel change	Information not provided.	

Equipment Delivery and Handling Charges	**Component Description:**	Pallet jack for moving equipment during installation and removal
	Amount:	$136.87
	Component Description:	50% share of gas fuel for Rental Truck for delivering repack equipment to the site. Shared with WKPT
	Amount:	$28.45
	Component Description:	50% share of rental truck to deliver repack equipment to the site. Shared with WKPT
	Amount:	$127.15
	Component Description:	Stone for road bed, to enable site access
	Amount:	$531.36
DTV Medical Facility Notification	**Component Description:**	Prepare and mail Medical notifications
	Amount:	$3,080.00
Site Earth Work	Information not provided.	

Disposal Costs (for equipment and other waste, net of any salvage value)	**Component Description:**	Kingsport 80754 v190514pmv1
	Amount:	$10.24
	Component Description:	Penske inv #68476213 Truck rental for WAPK WKPT disposal v190430jgv1
	Amount:	$91.58
	Component Description:	Landfill inv #75908 Landfill fee for WAPK WKPT disposed materials v190430jgv1
	Amount:	$20.64
	Component Description:	Shell inv #9064031 Fuel for rented WAPK WKPT disposal truck v190430jgv1
	Amount:	$19.50
	Component Description:	GasNGo 64592 v190514pmv1
	Amount:	$18.00
	Component Description:	Penske 69754331 v190514pmv1
	Amount:	$108.49

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$2,303,941.63	$535,612.93	$473,199.88

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
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 above-named applicant for the Authorization(s) specified above.	**Jeffrey C Gehman** *Engineering Associate* 01/11/2021

Certification

Section	Question	Response
Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR 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. 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.	**Jeffrey C Gehman** *Engineering Associate* 01/11/2021

Attachments