

Federal Communications Commission

#### (REFERENCE COPY - Not for submission)

## FCC Form 399: Reimbursement Request

Facility	77677	Service: DCA	Call	WAPK-CD	Channel: 16 (UHF)
ID:			Sign:	1	
File	000002	6125			
Number:					
FRN: <b>000</b>	01770163	Date	05/13		
		Submitted:	/2019		

## Applicant Name, Type, and Contact Information

# Information

Applicant	Address	Phone	Email	Applicant Type
HOLSTON VALLEY BROADCASTING CORPORATION Doing Business As: HOLSTON VALLEY BROADCASTING CORPORATION	Nathan D. Widener 222 COMMERCE ST KINGSPORT, TN 37660 United States	+1 (423) 723- 6134	davidw@wtfm. com	Corporation

#### Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer	Preparer Contact Name and Information			
Contact Information	Applicant	Address	Phone	Email
	The Preparer is same as the reimbursement contact.			

Broadcaster	Question
Information	
and	
Transition	
Plan	

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 Res	
	Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

Primary	Existing Transmitter Info	rmation			
Fransmitter	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			
	Manufacturer and Type	Model	TAU 2- 5K00AA		
		Year	2003		
		Туре	Solid State		
		Solid State Cooling	Yes TAU 2- 5K00AA		
		Solid State Power Capacity	1 kW		

### **Existing Transmitter Information**

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

Facility ID	Call Sign
27504	WKPT-TV

Primary	New Transmitter Costs		
Transmitter	SectionQuestionNew TransmitterUse	Question	Response
		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.

### Other Transmitter Costs

Primary	Other Transmitter Costs			
Transmitter	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
	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 Other Transmitter Cost Not Listed Transmitter Name

itter	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 Rela	ated Expenses	Do you have antenna related expenses?	Yes

Primary	Existing Antenna Information			
Antenna	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	
		Туре	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	New Antenna Costs				
Antenna	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		
		Туре	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.

### Other Antenna Costs

### Primary Antenna

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	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?	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

# PrimaryOther Antenna Cost Not ListedAntennaInformation not provided.

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary	Existing Transmission Line			
Transmissio	n 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		
		Туре	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	

Primarv	New Transmission Line			
Transmissio	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?	No	
		Туре	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 Other Transmission Line Expenses Not Listed

Other Transmission Transmission

Interim Transmissio	New Transmission Line			
	n Line Section	Question	Response	
	New Transmission Line Costs	Use	Interim	
		Description of Use	N/A	
		Change Type	Purchase New	
		Туре	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 Other Transmission Line Expenses Not Listed

Transmission home tion not provided.

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

### **Existing Tower**

Primary	Existing Tower			
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 (	Latitude (NAD83)	36° 25' 54.7" N-	
	North American Datum of 1983))	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 Rigging Costs

Tower

Tower

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

# Primary Other Tower Expenses Not Listed

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

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

### Primary 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 Rigging Costs

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

# Primary Other Tower Expenses Not Listed

Tower

Tower

Information not provided.

Outside	Section	Question	Response
Professional	Il Services Costs 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	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	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	Other Professional Services Expenses Not Listed		
Professional	Services Costs	Description	
	Other Engineering Services	Engineering services not included in any other Form 399 OPS section	

Other	Section	Question	Response
Expenses	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 Not Listed

Other

Expenses	Name	Description	
	FCC License to Cover Filing Fee	FCC License to Cover Filing Fee	
	Electrical	Electrical	

### Transmitters

### Cost Information

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

Remote	\$3,040.97	\$3,040.97	***System	\$3,040.97	The sub-
Control			Notice:		total is
Upgrade			Estimate		equal to
			adjusted		the
			and locked		Estimated
			because		Cost.
			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.		

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
Sub-total Total for	\$205,487.26 \$2,237,136.63	\$83,828.13 \$447,644.12	N/A N/A	\$83,828.12 \$394,528.34	N/A 
all systems	¥2,201,100.00	φ. π, <b>σ</b> ττ2		¥00 1,020.04	

Actual Information	
Description	File Name

UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	Component Description: Amount:	Final payment for new transmitter \$4,015.06
	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:	Transmitter electric supplies \$3.40
Burk Arc Plus Touch V5	Component Description:	Final payment for remote control upgrade; cost split between WAPK
	Amount:	and WKPT \$160.04

Remote Control Upgrade		
	Component Description: Amount:	WAPK 50% share of 45% progress payment for shared remote control for WKPT and WAPK \$1,440.46
	Component Description:	WAPK Share of 50 pct down payment. See cover letter for rounding and splitting calculations \$1,600.51
UHF - Air Cooled Solid State Transmitter 0.85 kW	Component Description:	45% progress payment for
	Amount:	transmitter \$36,135.59
	Component Description:	50 pct down payment for new transmitter for
	Amount:	WAPK \$40,150.65

### Antennas

#### Cost Information

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

Description Primary Antenna PSILP8-16	Predetermined Cost Estimate \$33,030.00	Estimated Cost \$13,820.82	Estimated Cost Justification	Actual Cost \$7,420.82	Actual Cost Justification
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	\$2,237,136.63	\$447,644.12	N/A	\$394,528.34	N/A

Actual Information	
Description	File Name

UHF - Lower Power Side Mount, Class A One Station antenna basic	Component Description:	Elbow for primary antenna, including tax and freight
	Amount:	\$314.92
	Component Description:	Down Payment for
	Amount:	Primary Antenna \$3,337.95
	Component Description:	PSI inv #1940DP
		Down Payment for Primary Antenna
	Amount:	UL20190429jgv2 \$3,337.95
	Component Description:	PSI inv #1940 Final Payment for
		Primary Antenna UL20190429jgv2
	Amount:	\$3,767.95
	Component Description:	Final Payment for
	Amount:	Primary Antenna \$3,767.95
Sweep test of existing antenna	Information not provided.	

### **Transmission Line**

#### Cost Information

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	\$3,646.14		\$3,646.14	
Flexible Foam Transmission Line - dielectric, 1 5 /8"	\$3,600.00	\$3,646.14	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.	\$3,646.14	N/A
Sub-total	\$11,040.00	\$9,313.48	N/A	\$9,313.48	N/A
Total for all systems	\$2,237,136.63	\$447,644.12	N/A	\$394,528.34	N/A

Actual Information	
Description	File Name

Flexible Foam Transmission Line - dielectric, 1 5/8"	Component Description: Amount:	items needed to clean, prepare and install brass ends on the transmission lines \$48.30
	Component Description: Amount:	items needed to clean, prepare and install brass ends on the transmission lines \$10.32
	Component Description: Amount:	Components to clean, prep, install Line ends \$50.56
	Component Description: Amount:	Tie straps to attach Transmission line to tower \$79.92
	Component Description: Amount:	Clamps to hang Transmission line \$26.82
	Component Description: Amount:	Interim Transmission Line. See attached Quote for WAPK- CD \$5,400.04
		,

	Component Description: Amount:	items needed to clean, prepare and install brass ends on the transmission lines \$28.02
	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"		Drimon
	Component Description:	Primary Transmission Line. See attached Quote for WAPK
	Amount:	\$3,646.14

### **Tower Equipment and Rigging Costs**

#### Cost Information

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	\$1,485,600.00	\$273,353.50		\$242,683.10	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$37,935.50	N/A	\$27,531.90	N/A
Serious tower reinforcement /modifications	\$1,052,000.00	\$232,668.00	N/A	\$212,401.20	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
Primary Tower GTOWER	\$438,011.60	\$23,907.92		\$15,685.67	

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$6,896.32	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
Tower Lease	\$16,666.66	\$16,666.66	Rent for 7 months through Phase 2 for WAPK interim antenna	\$8,444.41	N/A
Pipe to pipe clamps	\$344.94	\$344.94	N/A	\$344.94	N/A
Sub-total	\$1,923,611.60	\$297,261.42	N/A	\$258,368.77	N/A
Total for all systems	\$2,237,136.63	\$447,644.12	N/A	\$394,528.34	N/A

Actual Information	
Description	File Name

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Component Description:	60 percent progress payment for tower modifications and
	Amount:	rigging \$18,354.60
	Component Description: Amount:	30 pct down payment of 50 pct of the cost for rigging and antennas line installation \$9,177.30
Serious tower reinforcement/modifications	Component Description: Amount:	Dug 110 ft ditch to bury overhead electrical lines \$3,000.00
	Component Description:	30 pct down payment for 50 pct of the cost for tower reinforcement modifications
	Amount:	\$69,800.40
	Component Description:	Construction services for tower modification and antenna line installation
	Amount:	\$139,600.80

Structural engineering tower load study for well documented tower	Component Description:	50% split of 50% down payment for Interim Tower
	Amount:	structural Analysis \$1,375.00
	Component Description: Amount:	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:	FDH inv #E-177456 Install and remove temp ants on WJHL
	Amount:	tower pmt 1 UL20190424jgv1 \$2,448.16
	Component Description:	One half cost of Balance due of tower Structural Analysis for WAPK
	Amount:	\$1,000.00
	Component Description:	FDH inv #E-184004 Install and remove temp ants on WJHL tower pmt 2
	Amount:	UL20190424jgv1 \$2,448.16
	Component Description: Amount:	One half share of down payment for tower structural analysis for WAPK \$1,000.00
		·

Fower Lease		
	Component Description:	Monthly payment
		for tower rent for
		WAPK interim
		antenna
	Amount:	\$1,666.66
	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
	Component Description:	WJHL inv #6 Share
		of Interim Tower
		rent pmt 6
		UL20190424jgv1
	Amount:	\$111.11
	Component Description	WAPK share of
	Component Description:	Tower Rent
	Americati	Payment 3
	Amount:	\$1,666.66
	Component Description:	Share of Interim
		Tower rent
	Amount:	\$1,666.66
ipe to pipe clamps		
	<b>Component Description:</b>	Pipe-to-pipe clamps
		for interim antenna
		mount on interim
		tower
	Amount:	\$344.94

## **Outside Professional Services**

#### Cost Information

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

Description Outside Professional Services	Predetermined Cost Estimate \$43,294.00	Estimated Cost \$31,046.50	Estimated Cost Justification	Actual Cost \$23,937.83	Actual Cost Justification
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
Other Engineering Services	\$11,790.00	\$11,790.00	Engineering services not included in any other OPS section	\$11,790.00	add
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

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 and or review reimbursement form	\$2,630.00	\$4,914.50	See attached invoices.	\$4,914.50	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
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$0.00	included in CP application costs	N/A	N/A
Project management of the transition	\$1,264.00	\$1,232.00	N/A	\$750.00	N/A
Sub-total	\$43,294.00	\$31,046.50	N/A	\$23,937.83	N/A

Total for all	\$2,237,136.63	\$447,644.12	N/A	\$394,528.34	N/A
systems					

## Components

Actual Information Description	File Name	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	DJK 864 v190513pmv1 \$350.00
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: Amount:	399 Amendment \$728.75
	Component Description:	Delawder 5272
	Amount:	v190513pmv1 \$150.00
	Component Description:	Prepare and submit ACI Actual Cost Invoices
	Amount:	\$1,500.00

	Component Description:	RF design associated with a revised plan for the channel change leading to a 399 amendment for WAPK \$3,437.50
	Component Description: Amount:	FCC Technical portion of STA application for interim operation \$1,535.00
	Component Description: Amount:	FCC STA application to operate on Interim tower \$1,535.00
	Component Description: Amount:	Prepare and submit actual cost invoices \$3,564.25
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	Delawder 5272 v190513pmv1 \$300.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Engineering for CP application main facility WAPK \$1,350.00
	Component Description: Amount:	Delawder 5272 v190513pmv1 \$600.00

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	DJK 864 v190513pmv1 \$350.00
	Component Description:	Reimbursement for part of invoice covering initial CP application July 6 Form 2100
	Amount:	\$2,800.00
Prepare and or review reimbursement form	Component Description:	KGA inv #964-47 AC invs JG Nov 2018 UL20190409jgv1
	Amount:	\$50.00
	Component Description:	KGA 964-57 v190513pmv1
	Amount:	\$2,414.50
	Component Description:	KGA inv #964-46 AC invs JG Mar 2019
	Amount:	UL20190409jgv1 \$150.00
	Component Description:	KGA inv #964-54 AC invs RG Mar 2019
	Amount:	UL20190422jgv1 \$850.00
	Component Description:	KGA inv #964-40 AC invs RG Feb 2019
	Amount:	UL20190409jgv1 \$1,450.00

FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if	Component Description:	Prep and file FAA 7460-1; cost split between WAPK and
needed for height increase	Amount:	WKPT \$275.00
	Component Description:	KGA inv #964-34 FAA for WAPK- WKPT-WOPI
	Amount:	UL20190424jgv2 \$183.33
ASR modification (prepare FCC Form 854)	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Component Description:	STA for repack station WAPK interim operation or tower leased from WJHL
	Amount:	\$550.00
Perform engineering study for new channel assignment and antenna development	Information not provided.	

Project management of the transition	Component Description: Amount:	FCC 387 progress report 2Q18 WAPł \$150.00
	Component Description:	Progress Report 4Q18
	Amount:	4018 \$150.00
	Component Description:	Prog Rpt Form 387 3Q2018
	Amount:	\$150.00
	Component Description:	KGA inv #964-53 Form 387 2019 Q1
	Amount:	UL20190429jgv1 \$150.00
	Component Description:	Prep and submit Form 387 for 10
		weeks prior to transition
	Amount:	\$150.00

## **Other Expenses**

## Cost Information

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	\$20,673.77	\$12,373.77		\$11,659.32	
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

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.	\$131.72	N/A
Sub-total	\$20,673.77	\$12,373.77	N/A	\$11,659.32	N/A
Total for all systems	\$2,237,136.63	\$447,644.12	N/A	\$394,528.34	N/A

# Components

File Name	
<b>Component Description:</b>	E Electric inv
	#201904162019
	Electrical work
	UL20190422jgv1
Amount:	\$5,098.77
<b>Component Description:</b>	FCC inv
	#0000070481 Lic to
	Cover filing fee
	WAPK
	UL20190410jgv1
Amount:	\$335.00
	Amount: Component Description:

MVPD Notification of Channel Change	Component Description:	KGA inv #964-39 Revised MVPD notifications resent
	Amount:	UL20190326jgv1 \$530.00
	Component Description: Amount:	Prepare and mail MVPD notifications \$1,660.00
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Delivery and Handling Charges	Component Description:	50% share of gas fuel for Rental Truck for delivering repack equipment to the site. Shared with WKPT \$28.45
	Component Description:	Stone for road bed, to enable site
	Amount:	access \$531.36
	Component Description:	Pallet jack for moving equipment during installation and removal
	Amount:	\$136.87
	Component Description:	50% share of rental truck to deliver repack equipment to the site. Shared with WKPT
	Amount:	\$127.15

DTV Medical Facility Notification	Component Description: Amount:	Prepare and mail Medical notifications \$3,080.00
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description:	Shell inv #9064031 Fuel for rented WAPK WKPT disposal truck v190430jgv1
	Amount:	\$19.50
	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
	Amount:	disposed materials v190430jgv1 \$20.64

Cost Information	Grand Total				
		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$2,237,136.63	\$447,644.12	\$394,528.34	

Reimbursem	entestiatus	Response
	The facility has ceased operating on its pre- auction channel.	No
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	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.	
		<ol> <li>The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> </ol>	
		2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	
		<b>3.</b> 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 05/13/2019

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR 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).	
		<ol> <li>The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> </ol>	
		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).
- 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.

	<ul> <li>The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</li> <li>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.</li> </ul>	
an au name	lare, under penalty of perjury, that I am uthorized representative of the above- ed applicant for the Authorization(s) ified above.	Jeffrey C Gehman Engineering Associate
		05/13/2019

### Attachments