



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **77677** | Service: **DCA** | Call **WAPK-CD** | Channel: **16 (UHF)**  
ID:  
File **0000026125**  
Number:  
FRN: **0001770163** | Date **03/14**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>HOLSTON VALLEY BROADCASTING CORPORATION</b> 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 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
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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
<b>Transmitter Related Expenses</b>	Do you have transmitter related expenses?	Yes

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	Yes
	Is this transmitter currently in operating condition?	Yes
<b>Existing Transmitter Manufacturer and Type</b>	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
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

**Primary Transmitter**

**Other Transmitter Cost Not Listed**

Name	Description
<b>Burk Arc Plus Touch V5</b>	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 Parapanel
	ERP: (Effective Radiated Power) .....	15.0 kW

Manufacturer	
Model	SCA-4DR4S
Year	2003

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**Primary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	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
<b>New Antenna Manufacturer and Types</b>	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
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Transmission Line**

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

**Primary**  
**Transmission Line**

**Existing Transmission Line**

Section	Question	Response
<b>Existing Transmission Line Description</b>	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	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
<b>New Transmission Line Costs</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	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
<b>New Transmission Line Costs</b>	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
<b>Existing Tower Description</b>	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
<b>Existing Tower Structure Registration</b>	Do you have a tower registration number?	Yes
	ASR Number	1054538
<b>Coordinates (NAD83 (North American Datum of 1983))</b>	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
77676	WAPW-CD	DTV
27504	WKPT-TV	DTV
27490	WOPI-CD	DTV
27489	WTFM	FM

**Primary  
Tower**

#### **Tower Modification Costs**

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

**Primary  
Tower**

#### **Tower Rigging Costs**

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

**Primary  
Tower**

#### **Other Tower Expenses Not Listed**

Information not provided.

**Outside  
Professional Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	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
<b>Outside RF consulting Engineering Services</b>	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No

	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	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
<b>RF Field Engineering Services</b>	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

### Other Professional Services Expenses Not Listed

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

## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
<b>Permit and Filing Costs</b>	Local Zoning	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	No
<b>Other Miscellaneous Expenses</b>	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	No
	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

<b>Other Expenses</b>	<b>Other Expenses Not Listed</b>
	Information not provided.



## 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	<b>\$160.05</b>	\$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 Control Upgrade	<b>\$3,040.97</b>	\$3,040.97	<p>***System Notice: Estimate adjusted and locked because line has been superseded.</p> <p>***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.</p>	\$3,040.97	The sub-total is equal to the Estimated Cost.
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UHF - Air Cooled Solid State Transmitter 0.85 kW	<b>\$76,286.24</b>	\$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
<b>Sub-total</b>	\$205,487.26	\$83,828.13	N/A	\$83,828.12	N/A
<b>Total for all systems</b>	\$2,230,862.86	\$431,309.53	N/A	\$376,702.59	N/A

## Components

Actual Information	
Description	File Name

UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	<div> <b>Component Description:</b> Transmitter electric supplies </div> <div> <b>Amount:</b> \$3.40 </div>
	<div> <b>Component Description:</b> Transmitter electric supplies </div> <div> <b>Amount:</b> \$58.43 </div>
	<div> <b>Component Description:</b> Final payment for new transmitter </div> <div> <b>Amount:</b> \$4,015.06 </div>
	<div> <b>Component Description:</b> 50% split for Transmitter Electrical Supplies for WAPK and WKPT </div> <div> <b>Amount:</b> \$263.98 </div>
Burk Arc Plus Touch V5	<div> <b>Component Description:</b> Final payment for remote control upgrade; cost split between WAPK and WKPT </div> <div> <b>Amount:</b> \$160.04 </div>

Remote Control Upgrade	<table> <tr> <td data-bbox="724 174 1027 210"><b>Component Description:</b></td><td data-bbox="1161 174 1347 443">WAPK Share of 50 pct down payment. See cover letter for rounding and splitting calculations</td></tr> <tr> <td data-bbox="724 456 836 492"><b>Amount:</b></td><td data-bbox="1161 456 1283 492">\$1,600.51</td></tr> <tr> <td data-bbox="724 595 1027 631"><b>Component Description:</b></td><td data-bbox="1161 595 1378 819">WAPK 50% share of 45% progress payment for shared remote control for WKPT and WAPK</td></tr> <tr> <td data-bbox="724 833 836 869"><b>Amount:</b></td><td data-bbox="1161 833 1283 869">\$1,440.46</td></tr> </table>	<b>Component Description:</b>	WAPK Share of 50 pct down payment. See cover letter for rounding and splitting calculations	<b>Amount:</b>	\$1,600.51	<b>Component Description:</b>	WAPK 50% share of 45% progress payment for shared remote control for WKPT and WAPK	<b>Amount:</b>	\$1,440.46
<b>Component Description:</b>	WAPK Share of 50 pct down payment. See cover letter for rounding and splitting calculations								
<b>Amount:</b>	\$1,600.51								
<b>Component Description:</b>	WAPK 50% share of 45% progress payment for shared remote control for WKPT and WAPK								
<b>Amount:</b>	\$1,440.46								
UHF - Air Cooled Solid State Transmitter 0.85 kW	<table> <tr> <td data-bbox="724 1003 1027 1039"><b>Component Description:</b></td><td data-bbox="1161 1003 1331 1115">45% progress payment for transmitter</td></tr> <tr> <td data-bbox="724 1128 836 1164"><b>Amount:</b></td><td data-bbox="1161 1128 1299 1164">\$36,135.59</td></tr> <tr> <td data-bbox="724 1267 1027 1303"><b>Component Description:</b></td><td data-bbox="1161 1267 1362 1415">50 pct down payment for new transmitter for WAPK</td></tr> <tr> <td data-bbox="724 1429 836 1464"><b>Amount:</b></td><td data-bbox="1161 1429 1299 1464">\$40,150.65</td></tr> </table>	<b>Component Description:</b>	45% progress payment for transmitter	<b>Amount:</b>	\$36,135.59	<b>Component Description:</b>	50 pct down payment for new transmitter for WAPK	<b>Amount:</b>	\$40,150.65
<b>Component Description:</b>	45% progress payment for transmitter								
<b>Amount:</b>	\$36,135.59								
<b>Component Description:</b>	50 pct down payment for new transmitter for WAPK								
<b>Amount:</b>	\$40,150.65								

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	\$2,230,862.86	\$431,309.53	N/A	\$376,702.59	N/A

Components

Actual Information Description	File Name
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UHF - Lower Power Side Mount, Class A One Station antenna -- basic	<table> <tr> <td data-bbox="724 98 1145 331"> <b>Component Description:</b> </td><td data-bbox="1145 98 1428 331"> Elbow for primary antenna, including tax and freight </td></tr> <tr> <td data-bbox="724 331 1145 421"> <b>Amount:</b> </td><td data-bbox="1145 331 1428 421"> \$314.92 </td></tr> <tr> <td data-bbox="724 465 1145 698"> <b>Component Description:</b> </td><td data-bbox="1145 465 1428 698"> Final Payment for Primary Antenna </td></tr> <tr> <td data-bbox="724 698 1145 788"> <b>Amount:</b> </td><td data-bbox="1145 698 1428 788"> \$3,767.95 </td></tr> <tr> <td data-bbox="724 833 1145 943"> <b>Component Description:</b> </td><td data-bbox="1145 833 1428 943"> Down Payment for Primary Antenna </td></tr> <tr> <td data-bbox="724 943 1145 1032"> <b>Amount:</b> </td><td data-bbox="1145 943 1428 1032"> \$3,337.95 </td></tr> </table>	<b>Component Description:</b>	Elbow for primary antenna, including tax and freight	<b>Amount:</b>	\$314.92	<b>Component Description:</b>	Final Payment for Primary Antenna	<b>Amount:</b>	\$3,767.95	<b>Component Description:</b>	Down Payment for Primary Antenna	<b>Amount:</b>	\$3,337.95
<b>Component Description:</b>	Elbow for primary antenna, including tax and freight												
<b>Amount:</b>	\$314.92												
<b>Component Description:</b>	Final Payment for Primary Antenna												
<b>Amount:</b>	\$3,767.95												
<b>Component Description:</b>	Down Payment for Primary Antenna												
<b>Amount:</b>	\$3,337.95												
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	\$3,646.14		\$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	\$2,230,862.86	\$431,309.53	N/A	\$376,702.59	N/A

Components

Actual Information Description	File Name



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

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

<b>Component Description:</b>	Clamps to hang Transmission line
<b>Amount:</b>	\$26.82

<b>Component Description:</b>	Interim Transmission Line. See attached Quote for WAPK- CD
<b>Amount:</b>	\$5,400.04

<b>Component Description:</b>	items needed to clean, prepare and install brass ends on the transmission lines
<b>Amount:</b>	\$23.36

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

<b>Component Description:</b>	Components to clean, prep, install Line ends
<b>Amount:</b>	\$50.56

	<b>Component Description:</b>	items needed to clean, prepare and install brass ends on the transmission lines
	<b>Amount:</b>	\$28.02
	<b>Component Description:</b>	Tie straps to attach Transmission line to tower
	<b>Amount:</b>	\$79.92
Flexible Foam Transmission Line - dielectric, 1 5/8"	<b>Component Description:</b>	Primary Transmission Line. See attached Quote for WAPK
	<b>Amount:</b>	\$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
<b>Primary Tower TOWER</b>	<b>\$1,485,600.00</b>	<b>\$273,353.50</b>		<b>\$242,683.10</b>	
Serious tower reinforcement /modifications	\$1,052,000.00	\$232,668.00	N/A	\$212,401.20	N/A
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
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
<b>Primary Tower GTOWER</b>	<b>\$438,011.60</b>	<b>\$19,011.60</b>		<b>\$10,678.24</b>	
Tower Lease	<b>\$16,666.66</b>	\$16,666.66	Rent for 7 months through Phase 2 for WAPK interim antenna	\$8,333.30	N/A
Pipe to pipe clamps	<b>\$344.94</b>	\$344.94	N/A	\$344.94	N/A

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$2,000.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***	\$2,000.00	N/A
<b>Sub-total</b>	\$1,923,611.60	\$292,365.10	N/A	\$253,361.34	N/A
<b>Total for all systems</b>	\$2,230,862.86	\$431,309.53	N/A	\$376,702.59	N/A

## Components

Actual Information		
Description	File Name	
Serious tower reinforcement /modifications	<b>Component Description:</b>	Dug 110 ft ditch to bury overhead electrical lines
	<b>Amount:</b>	\$3,000.00
	<b>Component Description:</b>	30 pct down payment for 50 pct of the cost for tower reinforcement modifications
	<b>Amount:</b>	\$69,800.40
	<b>Component Description:</b>	Construction services for tower modification and antenna line installation
	<b>Amount:</b>	\$139,600.80

<p>Complex Tower (includes, for example, those with candelabras and/or stacked antennas)</p>	<table> <tr> <td data-bbox="703 100 1023 369"><b>Component Description:</b></td><td data-bbox="1027 100 1428 369">60 percent progress payment for tower modifications and rigging</td></tr> <tr> <td data-bbox="703 376 1023 443"><b>Amount:</b></td><td data-bbox="1027 376 1428 443">\$18,354.60</td></tr> <tr> <td data-bbox="703 450 1023 741"><b>Component Description:</b></td><td data-bbox="1027 450 1428 741">30 pct down payment of 50 pct of the cost for rigging and antennas line installation</td></tr> <tr> <td data-bbox="703 748 1023 846"><b>Amount:</b></td><td data-bbox="1027 748 1428 846">\$9,177.30</td></tr> </table>	<b>Component Description:</b>	60 percent progress payment for tower modifications and rigging	<b>Amount:</b>	\$18,354.60	<b>Component Description:</b>	30 pct down payment of 50 pct of the cost for rigging and antennas line installation	<b>Amount:</b>	\$9,177.30
<b>Component Description:</b>	60 percent progress payment for tower modifications and rigging								
<b>Amount:</b>	\$18,354.60								
<b>Component Description:</b>	30 pct down payment of 50 pct of the cost for rigging and antennas line installation								
<b>Amount:</b>	\$9,177.30								
<p>Structural engineering tower load study for well documented tower</p>	<table> <tr> <td data-bbox="703 853 1023 1077"><b>Component Description:</b></td><td data-bbox="1027 853 1428 1077">50% split of 50% down payment for Interim Tower structural Analysis</td></tr> <tr> <td data-bbox="703 1084 1023 1151"><b>Amount:</b></td><td data-bbox="1027 1084 1428 1151">\$1,375.00</td></tr> <tr> <td data-bbox="703 1158 1023 1382"><b>Component Description:</b></td><td data-bbox="1027 1158 1428 1382">50% split of final 50% payment for Interim Tower structural Analysis</td></tr> <tr> <td data-bbox="703 1388 1023 1471"><b>Amount:</b></td><td data-bbox="1027 1388 1428 1471">\$1,375.00</td></tr> </table>	<b>Component Description:</b>	50% split of 50% down payment for Interim Tower structural Analysis	<b>Amount:</b>	\$1,375.00	<b>Component Description:</b>	50% split of final 50% payment for Interim Tower structural Analysis	<b>Amount:</b>	\$1,375.00
<b>Component Description:</b>	50% split of 50% down payment for Interim Tower structural Analysis								
<b>Amount:</b>	\$1,375.00								
<b>Component Description:</b>	50% split of final 50% payment for Interim Tower structural Analysis								
<b>Amount:</b>	\$1,375.00								

Tower Lease	<table> <tr> <td data-bbox="715 174 1023 208"><b>Component Description:</b></td><td data-bbox="1155 174 1358 327">Monthly payment for tower rent for WAPK interim antenna</td></tr> <tr> <td data-bbox="715 338 823 371"><b>Amount:</b></td><td data-bbox="1155 338 1270 371">\$1,666.66</td></tr> <tr> <td data-bbox="715 477 1023 510"><b>Component Description:</b></td><td data-bbox="1155 477 1370 589">Lease payment for tower space for interim antennas</td></tr> <tr> <td data-bbox="715 600 823 633"><b>Amount:</b></td><td data-bbox="1155 600 1270 633">\$1,666.66</td></tr> <tr> <td data-bbox="715 739 1023 772"><b>Component Description:</b></td><td data-bbox="1155 739 1342 806">Share of Interim Tower rent</td></tr> <tr> <td data-bbox="715 817 823 851"><b>Amount:</b></td><td data-bbox="1155 817 1270 851">\$1,666.66</td></tr> <tr> <td data-bbox="715 956 1023 990"><b>Component Description:</b></td><td data-bbox="1155 956 1370 1108">Monthly tower rent payment for WAPK interim antenna</td></tr> <tr> <td data-bbox="715 1120 823 1153"><b>Amount:</b></td><td data-bbox="1155 1120 1270 1153">\$1,666.66</td></tr> <tr> <td data-bbox="715 1258 1023 1292"><b>Component Description:</b></td><td data-bbox="1155 1258 1334 1370">WAPK share of Tower Rent Payment 3</td></tr> <tr> <td data-bbox="715 1382 823 1415"><b>Amount:</b></td><td data-bbox="1155 1382 1270 1415">\$1,666.66</td></tr> </table>	<b>Component Description:</b>	Monthly payment for tower rent for WAPK interim antenna	<b>Amount:</b>	\$1,666.66	<b>Component Description:</b>	Lease payment for tower space for interim antennas	<b>Amount:</b>	\$1,666.66	<b>Component Description:</b>	Share of Interim Tower rent	<b>Amount:</b>	\$1,666.66	<b>Component Description:</b>	Monthly tower rent payment for WAPK interim antenna	<b>Amount:</b>	\$1,666.66	<b>Component Description:</b>	WAPK share of Tower Rent Payment 3	<b>Amount:</b>	\$1,666.66
<b>Component Description:</b>	Monthly payment for tower rent for WAPK interim antenna																				
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<b>Component Description:</b>	Monthly tower rent payment for WAPK interim antenna																				
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<b>Component Description:</b>	WAPK share of Tower Rent Payment 3																				
<b>Amount:</b>	\$1,666.66																				
Pipe to pipe clamps	<table> <tr> <td data-bbox="715 1547 1023 1581"><b>Component Description:</b></td><td data-bbox="1155 1547 1366 1700">Pipe-to-pipe clamps for interim antenna mount on interim tower</td></tr> <tr> <td data-bbox="715 1711 823 1744"><b>Amount:</b></td><td data-bbox="1155 1711 1251 1744">\$344.94</td></tr> </table>	<b>Component Description:</b>	Pipe-to-pipe clamps for interim antenna mount on interim tower	<b>Amount:</b>	\$344.94																
<b>Component Description:</b>	Pipe-to-pipe clamps for interim antenna mount on interim tower																				
<b>Amount:</b>	\$344.94																				

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)		
	<b>Component Description:</b>	One half cost of Balance due of tower Structural Analysis for WAPK
	<b>Amount:</b>	\$1,000.00
	<b>Component Description:</b>	One half share of down payment for tower structural analysis for WAPK
	<b>Amount:</b>	\$1,000.00

## Cost Information

### Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Outside Professional Services</b>	<b>\$43,144.00</b>	<b>\$25,732.00</b>		<b>\$17,215.00</b>	
Other Engineering Services	<i>\$11,640.00</i>	\$11,640.00	Engineering services not included in any other OPS section	\$11,640.00	add
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	\$275.00	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
Project management of the transition	\$1,264.00	\$1,232.00	N/A	\$600.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$500.00	N/A	N/A	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
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$2,000.00	N/A	\$1,350.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$3,000.00	N/A	\$2,800.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$1,000.00	N/A	N/A	N/A
<b>Sub-total</b>	\$43,144.00	\$25,732.00	N/A	\$17,215.00	N/A
<b>Total for all systems</b>	\$2,230,862.86	\$431,309.53	N/A	\$376,702.59	N/A

## Components

**Actual Information****Description****File Name**

Other Engineering Services

**Component Description:**Prepare and submit  
actual cost invoices**Amount:**

\$3,564.25

**Component Description:**Amend 399 for  
WAPK**Amount:**

\$265.00

**Component Description:**

399 Amendment

**Amount:**

\$728.75

**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:**Prepare and submit  
ACI Actual Cost  
Invoices**Amount:**

\$1,500.00

**Component Description:**FCC STA  
application to  
operate on Interim  
tower**Amount:**

\$1,535.00

**Component Description:**Repack  
engineering  
services for  
November 2018**Amount:**

\$609.50

	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>FCC Technical portion of STA application for interim operation</p> <p>\$1,535.00</p>
<p>FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase</p>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Prep and file FAA 7460-1; cost split between WAPK and WKPT</p> <p>\$275.00</p>
<p>ASR modification (prepare FCC Form 854)</p>	<p>Information not provided.</p>	
<p>Attorney Fees - Prepare and File request for Special Temporary Authorization</p>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>STA for repack station WAPK interim operation on tower leased from WJHL</p> <p>\$550.00</p>

Project management of the transition	<b>Component Description:</b> <b>Amount:</b>	FCC 387 progress report 2Q18 WAPK \$150.00
	<b>Component Description:</b> <b>Amount:</b>	Prog Rpt Form 387 3Q2018 \$150.00
	<b>Component Description:</b> <b>Amount:</b>	Prep and submit Form 387 for 10 weeks prior to transition \$150.00
	<b>Component Description:</b> <b>Amount:</b>	Progress Report 4Q18 \$150.00
Prepare and or review reimbursement form	Information not provided.	
Perform engineering study for new channel assignment and antenna development	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<b>Component Description:</b> <b>Amount:</b>	Engineering for CP application main facility WAPK \$1,350.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	

<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<div> <div> <b>Component Description:</b> </div> <div> Reimbursement for part of invoice covering initial CP application July 6 Form 2100 </div> </div> <div> <b>Amount:</b> </div> <div> \$2,800.00 </div>
<p>Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application</p>	<p>Information not provided.</p>

Cost  
Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$14,550.00	\$6,250.00		\$5,563.83	
DTV Medical Facility Notification	\$11,550.00	\$3,250.00	N/A	\$3,080.00	N/A
Develop and air announcement of upcoming channel change	\$0.00	\$0.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$2,000.00	\$2,000.00	N/A	\$1,660.00	N/A
Equipment Delivery and Handling Charges	\$1,000.00	\$1,000.00	N/A	\$823.83	N/A
Sub-total	\$14,550.00	\$6,250.00	N/A	\$5,563.83	N/A
Total for all systems	\$2,230,862.86	\$431,309.53	N/A	\$376,702.59	N/A

Components

Actual Information	
Description	File Name
DTV Medical Facility Notification	<div>Component Description: Prepare and mail Medical notifications</div> <div>Amount: \$3,080.00</div>

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

**Cost  
Information**

**Grand Total**

	<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>	<b>Actual Cost</b>
<b>Total for all systems</b>	\$2,230,862.86	\$431,309.53	\$376,702.59

**Reimbursement Status**

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



Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.</li> </ol>	

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

<p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Robert Gehman</b>  <i>Consulting Engineer</i></p> <p>03/14/2019</p>

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 IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Robert Gehman</b>  <i>Consulting Engineer</i></p> <p>03/14/2019</p>

## Attachments