



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **65681** | Service: **DTV** | Call **WTAE-TV** | Channel: **27 (UHF)** |
ID: | Sign:
File **0000026711**
Number:
FRN: **0001587583** | Date **05/14**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
Hearst Stations Inc. Doing Business As: Hearst Stations Inc.	C/O BROOKS, PIERCE, ET. AL. P.O. BOX 1800 RALEIGH, NC 27602 United States	+1 (919) 839-0300	shartzell@brookspierce.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.	No
Briefly describe transition plan	See attached document

Transmitters

Section	Question	Response
Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	Sigma
	Year	1999
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	44 kW

**Primary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-60
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	38 kW
	Justification for New Transmitter	Existing IOT transmitter cannot be converted to post-transition channel, see GatesAir EOL and HTV IOT to Solid-State Justification statements. An IOT replacement is more expensive than proposed SS transmitter. See attached Comark IOT Transmitter quote.

**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	Yes
	Description	transmitter electrical installation
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	Yes
	Size	2000.0 square feet
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
Shipping	Transmitter shipping
Change Order 4	additional installation supplies
Electrical Accessories	Surge Protection and transformer
Remote Control	transmitter remote control equipment
RF Accessories	Additional RF components required for transmitter operation and integration into current RF environment.
Change Order 3	additional required RF components
Transmitter de-install	Remove old transmitter
Change Order 1	8-pole filters, RF components, copper cooling lines
Change Order 2	RF impedance transformer
Change Order 5	pipe for transmitter test load (plumbing kit)

Antennas

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

**Auxiliary
Antenna****Existing Antenna Information**

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	backup to main antenna
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A

ERP: (Effective Radiated Power)	207.0 kW
Manufacturer	
Model	TLP-16-I-C
Year	1999

Auxiliary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Auxiliary (Backup)
	Description of Use	Interim/Aux
	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?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	16
	Lower Limit	470.00 MHz
	Upper Limit	608.00 MHz
	Design power capacity in use	57.8 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	628.0 kW
	Manufacturer	
	Model	TFU-16WB

Year	2018
Justification for New Antenna	Current auxiliary antenna is channel specific. The TFU-16WB is a broadband antenna that can be used for both pre and post transition channels facilitating a smooth and on-time transition to new channel.

Auxiliary 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?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	6 1/8 inches inches

Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Auxiliary Antenna

Other Antenna Cost Not Listed

Name	Description
Sales Tax	antenna sales tax
Shipping	Antenna shipping
Impedence Transformer	50 ohm to 75 ohm transformer

**Primary
Antenna**

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW

Manufacturer	
Model	TFU- 30DSC-R CT150
Year	2004

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?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	628.0 kW
	Manufacturer	

Model	TFU-24JSC-R CT150
Year	2019
Justification for New Antenna	Current antenna is channel specific (51) and cannot be used on post-transition channel (27). Must be replaced

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?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes

Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary
Antenna**

Other Antenna Cost Not Listed

Name	Description
Shipping	Antenna shipping
Sales Tax	antenna sales tax
Feed Through Components	Line sections & elbows

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	Utilize Existing
	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	Dielectric
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1030 feet per run

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Line refurbish	parts to refurbish line to work properly with new channel
Line sweep	transmission line sweep to check operation on repack channel
Shipping	shipping of transmission line cut pieces and additional components
Additional Line Components	additional transmission line components needed

Auxiliary
Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Backup
	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	Rigid
	Diameter	3 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	880 feet per run

Auxiliary
Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Auxiliary (Backup)
	Description of Use	Interim /Auxiliary
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	880 feet per run

	Justification for New Transmission Line	The current auxiliary line must be replaced with a line capable of handling higher power since station will be operating for extended time on auxiliary antenna on both pre and post transition channels. This helps ensure a smooth and on-time transition.
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Auxiliary Transmission Line **Other Transmission Line Expenses Not Listed**

Name	Description
Sales Tax	transmission line sales tax
Shipping	shipping for transmission line components

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1025144
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	40° 16' 49.0" N-
	Longitude (NAD83)	079° 48' 10.0" W-
	Overall Structure Height	1062.98 feet
	Support Structure Height	892.38 feet
	Ground Elevation Above Mean Sea Level (AMSL)	982.93 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Hearst Stations Inc.
Date Constructed	08/07/1958

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:	Minor Reinforcements needed

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	No

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Tower Consulting	tower consulting and tower project management
Road Repair	repair damage to road due to heavy equipment

**Outside
Professional**

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	200
	Explanation	Additional RF experience needed
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	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	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	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes

	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	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	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Transmitter Site Survey	Transmitter planning survey & transmitter building drawings
Non-Catalog legal expenses	Non-Catalog expenses for legal advice and services, including financial/reimbursement review, transition reporting, transition procedures, and other transition-related issues

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	Yes
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	No
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

**Other
Expenses**

Other Expenses Not Listed

Name	Description
Contract labor	labor directly related to the station channel change
in-house labor	in-house labor directly related to station's repack

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 ULXTE-60	\$1,832,574.22	\$1,359,272.66		\$1,359,272.66	
Other Electrical Service: transmitter installation electrical service	<i>\$4,600.00</i>	\$4,600.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***required transmitter installation electrical service per attached quotes	\$4,600.00	N/A
Transmitter de-install	<i>\$22,128.40</i>	\$22,128.40	removal of current transmitter to make space for replacement	\$22,128.40	N/A
Change Order 1	<i>\$14,888.21</i>	\$14,888.21	required transmitter components	\$14,888.21	N/A

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$999,698.44	GatesAir quote sections A, B & E. This is the transmitter, mask filter, installation and proof per the FCC "transmitter" definition.	\$999,698.44	999,698.44
Other Electrical Service: transmitter electrical installation	\$194,186.77	\$194,186.77	transmitter electrical installation per quotes and change orders	\$194,186.77	Sub-total and estimate are identical. \$194,186.77
Other -- Building Addition Size: 2000.0	\$3,860.00	\$3,860.00	Modifications needed for installation of repack transmitter	\$3,860.00	N/A
Shipping	\$16,404.40	\$16,404.40	Transmitter shipping	\$16,404.40	N/A
Change Order 2	\$1,126.25	\$1,126.25	RF impedance transformer	\$1,126.25	N/A
Change Order 4	\$470.64	\$470.64	installation supplies	\$470.64	N/A
RF Accessories	\$76,222.30	\$76,222.30	Additional RF components required for transmitter operation and integration into current RF environment.	\$76,222.30	N/A

Electrical Accessories	\$10,415.29	\$10,415.29	Manufacturer required electrical components	\$10,415.29	N/A
Change Order 5	\$2,786.23	\$2,786.23	plumbing kit for transmitter test load	\$2,786.23	N/A
Remote Control	\$9,097.41	\$9,097.41	Equipment needed to remotely control repack transmitter	\$9,097.41	N/A
Change Order 3	\$3,388.32	\$3,388.32	required RF components	\$3,388.32	N/A
Sub-total	\$1,832,574.22	\$1,359,272.66	N/A	\$1,359,272.66	N/A
Total for all systems	\$3,106,392.32	\$2,428,719.18	N/A	\$2,318,097.54	N/A

Components

Actual Information	
Description	File Name
Other Electrical Service: transmitter installation electrical service	<p>Component Description: WTAE preliminary electrical work for transmitter replacement</p> <p>Amount: \$4,600.00</p>
Transmitter de-install	<p>Component Description: WTAE transmitter de-install</p> <p>Amount: \$22,128.40</p>

Change Order 1	<div> <div>Component Description:</div> <div>WTAE transmitter CO 1</div> </div> <div> <div>Amount:</div> <div>\$14,888.21</div> </div>
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	<div> <div>Component Description:</div> <div>WTAE transmitter</div> </div> <div> <div>Amount:</div> <div>\$231,479.67</div> </div> <div> <div>Component Description:</div> <div>Transmitter 2nd deposit</div> </div> <div> <div>Amount:</div> <div>\$215,264.19</div> </div> <div> <div>Component Description:</div> <div>WTAE transmitter one-third prior to ship</div> </div> <div> <div>Amount:</div> <div>\$374,450.85</div> </div> <div> <div>Component Description:</div> <div>WTAE transmitter installation</div> </div> <div> <div>Amount:</div> <div>\$59,761.65</div> </div> <div> <div>Component Description:</div> <div>Transmitter 1st deposit</div> </div> <div> <div>Amount:</div> <div>\$118,742.08</div> </div>

Other Electrical Service: transmitter electrical installation	Component Description:	WTAE transmitter installation electrical 2
	Amount:	\$60,095.00
	Component Description:	WTAE additional transmitter electrical
	Amount:	\$3,784.77
	Component Description:	WTAE transmitter electrical installation 3
	Amount:	\$8,585.00
	Component Description:	WTAE transmitter installation electrical 1
	Amount:	\$103,020.00
	Component Description:	WTAE transmitter installation electrical CO1
	Amount:	\$18,702.00
Other -- Building Addition Size: 2000.0	Component Description:	WTAE transmitter room modifications
	Amount:	\$3,860.00

Shipping	Component Description:	WTAE transmitter shipping 2
	Amount:	\$2,710.75
	Component Description:	WTAE transmitter shipping 1
	Amount:	\$13,693.65
Change Order 2	Component Description:	WTAE transmitter CO 2
	Amount:	\$1,126.25
Change Order 4	Component Description:	WTAE transmitter CO 4
	Amount:	\$470.64
RF Accessories	Component Description:	WTAE transmitter RF accessories
	Amount:	\$76,222.30
Electrical Accessories	Component Description:	WTAE transmitter electrical
	Amount:	\$10,415.29
Change Order 5	Component Description:	WTAE transmitter change order 5
	Amount:	\$2,786.23
Remote Control	Component Description:	WTAE transmitter remote control
	Amount:	\$9,097.41

Change Order 3	<table><tr><td data-bbox="708 174 1027 210">Component Description:</td><td data-bbox="1161 174 1369 210">WTAE transmitter</td></tr><tr><td data-bbox="708 210 1027 246"></td><td data-bbox="1161 210 1225 246">CO 3</td></tr><tr><td data-bbox="708 246 1027 282">Amount:</td><td data-bbox="1161 246 1278 282">\$3,388.32</td></tr></table>	Component Description:	WTAE transmitter		CO 3	Amount:	\$3,388.32
Component Description:	WTAE transmitter						
	CO 3						
Amount:	\$3,388.32						

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 TFU-24JSC-R CT150	\$229,824.00	\$194,044.00		\$194,044.00	
Shipping	<i>\$4,620.00</i>	\$4,620.00	shipping per Dielectric quote	\$4,620.00	N/A
UHF - High Power, Side Mount, basic slot antenna, 628 kW input, directional,, horizontally polarized	<i>\$183,024.00</i>	\$183,024.00	antenna cost per attached Dielectric invoices	\$183,024.00	Progress payments and accessories not itemized.
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$0.00	N/A	\$0.00	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$0.00	N/A	\$0.00	N/A
Sales Tax	\$0.00	\$0.00	estimated antenna sales tax based on Pennsylvania state and local sales tax rate of 7%	N/A	N/A
Feed Through Components	\$0.00	\$0.00	additional RF components required for antenna installation per attached Dielectric quote	\$0.00	N/A
Auxiliary Antenna TFU-16WB	\$172,588.32	\$135,408.32		\$135,408.32	
UHF - High Power, Side Mount, basic slot antenna, 16 bay,, 628 kW input, directional,, horizontally polarized	\$125,978.84	\$125,978.84	antenna price per attached Dielectric quote	\$125,978.84	Progress payments - accessories not itemized
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A

Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$0.00	N/A	\$0.00	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$0.00	N/A	\$0.00	N/A
Impedence Transformer	\$0.00	\$0.00	transformer to match antenna to transmission line	\$0.00	Rounding Error for the difference in cost.
Shipping	\$3,029.48	\$3,029.48	shipping per attached Dielectric invoice	\$3,029.48	N/A
Sales Tax	\$0.00	\$0.00	estimated antenna sales tax based on Pennsylvania state and local sales tax rate of 7%	N/A	N/A
Sub-total	\$402,412.32	\$329,452.32	N/A	\$329,452.32	N/A
Total for all systems	\$3,106,392.32	\$2,428,719.18	N/A	\$2,318,097.54	N/A

Components

Actual Information
Description

File Name

Shipping	Component Description: WTAE main antenna shipping Amount: \$4,620.00
UHF - High Power, Side Mount, basic slot antenna, 628 kW input, directional,, horizontally polarized	Component Description: WTAE Dielectric Main antenna payment 3 - 45%; Amount: \$91,512 Amount: \$91,512.00 Component Description: WTAE: Reimbursement request withdrawn Amount: N/A Component Description: WTAE Dielectric Main Antenna 9.13.2017; \$91,512 payments 1&2 - 45% Amount: \$91,512.00
Sweep test of existing antenna	Component Description: WTAE main antenna sweep Amount: \$6,400.00
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.
Sales Tax	Information not provided.
Feed Through Components	Information not provided.

UHF - High Power, Side Mount, basic slot antenna, 16 bay,, 628 kW input, directional,, horizontally polarized	<div> <div> Component Description: Amount: </div> <div> WTAE Dielectric Auxiliary Antenna; payment 3 - 45%; 9.13.2017; \$62,989.42 \$62,989.42 </div> </div> <div> <div> Component Description: Amount: </div> <div> WTAE Dielectric Auxiliary Antenna; payments 1&2 - 45%; 9.13.2017; \$62,989.42 \$62,989.42 </div> </div>
Sweep test of existing antenna	<div> <div> Component Description: Amount: </div> <div> WTAE auxiliary antenna and line sweep \$6,400.00 </div> </div>
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.
Impedence Transformer	Information not provided.
Shipping	<div> <div> Component Description: Amount: </div> <div> WTAE aux antenna shipping \$3,029.48 </div> </div>
Sales Tax	Information not provided.

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$15,226.11	\$15,226.11		\$15,226.11	
Line sweep	<i>\$2,866.13</i>	\$2,866.13	standard line sweep cost	\$2,866.13	N/A
Line refurbish	<i>\$0.00</i>	\$0.00	required transmission line parts	\$0.00	N/A
Shipping	<i>\$388.65</i>	\$388.65	shipping for transmission line cut sections and other transmission line components	\$388.65	N/A
Additional Line Components	<i>\$11,971.33</i>	\$11,971.33	Additional transmission line parts needed for project	\$11,971.33	N/A
Auxiliary Transmission Line	\$204,418.41	\$165,225.80		\$165,225.80	
Rigid Transmission Line - copper, 6 1/8" broadband	\$204,160.00	\$164,967.39	price per Dielectric quotes and invoices	\$164,967.39	N/A

Sales Tax	\$0.00	\$0.00	estimated sales tax based on Pennsylvania state and local sales tax rate of 7%	\$0.00	N/A
Shipping	\$258.41	\$258.41	shipping for transmission line cut sections and other transmission line components	\$258.41	N/A
Sub-total	\$219,644.52	\$180,451.91	N/A	\$180,451.91	N/A
Total for all systems	\$3,106,392.32	\$2,428,719.18	N/A	\$2,318,097.54	N/A

Components

Actual Information	
Description	File Name
Line sweep	<p>Component Description: WTAE transmission line sweep</p> <p>Amount: \$2,866.13</p>

Line refurbish	Component Description:	WTAE transmission line refurbish parts
	Amount:	\$9,100.00
	Component Description:	Station reimbursed for non- reimbursable expense (transmission line refurbish)
	Amount:	(\$9,100.00)
Shipping	Component Description:	WTAE shipping for transmission line part
	Amount:	\$28.20
	Component Description:	WTAE shipping for transmission line part 2
	Amount:	\$360.45
Additional Line Components	Component Description:	WTAE additional transmission line parts 3
	Amount:	\$2,389.80
	Component Description:	WTAE additional transmission line parts 1
	Amount:	\$9,232.00
	Component Description:	WTAE additional transmission line parts 2
	Amount:	\$349.53

Rigid Transmission Line - copper, 6 1/8" broadband	Component Description: WTAE auxiliary transmission line Amount: \$6,184.76
	Component Description: WTAE Dielectric Aux transmission line; payment 3 - 45%; \$68,425.25 Amount: \$68,425.25
	Component Description: WTAE transmission line cut piece with shipping Amount: \$5,707.90
	Component Description: WTAE additional transmission line cut pieces Amount: \$3,636.80
	Component Description: WTAE additional aux transmission line pieces Amount: \$12,587.43
	Component Description: WTAE Dielectric Aux Transmission Line; payment 3 - 45%; \$68,425.25 Amount: \$68,425.25
Sales Tax	Information not provided.
Shipping	Component Description: WTAE shipping for aux T/L piece Amount: \$258.41

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	\$391,918.00	\$318,483.68		\$318,483.68	
Minor tower reinforcement /modifications	\$158,000.00	\$0.00	N/A	\$0.00	N/A
Road Repair	<i>\$6,680.00</i>	\$6,680.00	see associated invoice	\$6,680.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$293,915.68	Antenna replacements. See attached quote "WTAE Coast to Coast Tower Agreement Complete 18-04-18.pdf" and Change Order invoice	\$293,915.68	N/A
Tower Consulting	<i>\$4,138.00</i>	\$4,138.00	tower consulting and tower project management - quote attached	\$4,138.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$13,750.00	See quotes	\$13,750.00	N/A
Sub-total	\$391,918.00	\$318,483.68	N/A	\$318,483.68	N/A

Total for all systems	\$3,106,392.32	\$2,428,719.18	N/A	\$2,318,097.54	N/A
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Components

Actual Information		
Description	File Name	
Minor tower reinforcement /modifications	Information not provided.	
Road Repair	Component Description: Amount:	WTAE tower site road repair \$6,680.00
Tall Tower (greater than 500')	Component Description: Amount:	WTAE tower work progress payment 2 \$50,000.00
	Component Description: Amount:	WTAE tower work invoice 1 (see quote page 14) \$92,275.00
	Component Description: Amount:	WTAE tower work progress payment 3 \$30,000.00
	Component Description: Amount:	WTAE tower work change order 1 \$31,640.68
	Component Description: Amount:	WTAE tower work progress payment \$90,000.00

Tower Consulting	Component Description:	WXII tower project management 2
	Amount:	\$100.00
	Component Description:	WTAE: Tower consulting invoice 1
	Amount:	\$4,038.00
Structural engineering tower load study for well documented tower	Component Description:	WTAE tower engineering evaluation 2
	Amount:	\$3,625.00
	Component Description:	WTAE tower rigorous analysis
	Amount:	\$6,500.00
	Component Description:	WTAE tower engineering evaluation 1
	Amount:	\$3,625.00

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$223,227.00	\$211,278.75		\$103,157.11	
Project management of the transition	\$31,600.00	\$52,986.75	see Kube Broadcast Consulting invoices	\$52,985.60	N/A
RF Exposure Measurements	\$21,050.00	\$0.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$1,382.46	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$4,262.50	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,025.00	N/A

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	\$837.50	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$250.00	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$100.00	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$1,500.00	N/A	\$1,062.50	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$2,148.03	N/A

Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	\$1,548.60	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$934.40	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$3,500.00	N/A	\$2,157.80	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Transmitter Site Survey	\$22,042.00	\$22,042.00	Transmitter planning survey & transmitter building drawings quote attached	\$22,042.00	N/A

Non-Catalog legal expenses	\$20,000.00	\$20,000.00	Non-Catalog expenses for legal advice and services, including financial /reimbursement review, transition reporting, transition procedures, and other transition-related issues	\$11,420.72	N/A
Sub-total	\$223,227.00	\$211,278.75	N/A	\$103,157.11	N/A
Total for all systems	\$3,106,392.32	\$2,428,719.18	N/A	\$2,318,097.54	N/A

Components

Actual Information	
Description	File Name

Project management of the transition	Component Description: WTAE Kube 7 Amount: \$35,720.47
	Component Description: WTAE Kube 3 Amount: \$2,347.94
	Component Description: WTAE Kube 4 Amount: \$75.00
	Component Description: WTAE Kube 2 Amount: \$75.00
	Component Description: WTAE Kube 1 Amount: \$375.00
	Component Description: WTAE Kube 6 Amount: \$10,645.56
	Component Description: WTAE Kube 5 Amount: \$3,746.63
RF Exposure Measurements	Information not provided.
Prepare and or review reimbursement form	Component Description: WTAE Prepare and /or review reimbursement Form 399-2 Amount: \$300.06
	Component Description: WTAE Prepare and /or review reimbursement Form 399 Amount: \$1,082.40

Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	WTAE engineering study 3 \$825.00 WTAE engineering study 2 \$2,125.00 WTAE engineering study 1 \$1,312.50
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	WTAE CP engineering prep \$2,025.00
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Component Description: Amount:	WTAE engineering for auxiliary antenna construction permit \$837.50
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	WTAE engineering for license to cover \$250.00
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Component Description: Amount:	WTAE RF consulting auxiliary antenna license to cover \$100.00

Prepare request for Special Temporary Authorization	<div> Component Description: WTAE RF consulting for interim antenna STA 2 </div> <div> Amount: \$250.00 </div>
	<div> Component Description: WTAE RF consulting for interim antenna STA 1 </div> <div> Amount: \$812.50 </div>
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<div> Component Description: WTAE Prepare and File FCC Form 2100, Construction Permit Application </div> <div> Amount: \$163.80 </div>
	<div> Component Description: WTAE Prepare and File FCC Form 2100, Construction Permit Application </div> <div> Amount: \$929.70 </div>
	<div> Component Description: WTAE Prepare and File FCC Form 2100, Construction Permit Application </div> <div> Amount: \$1,054.53 </div>
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	<div> Component Description: WTAE Aux Antenna, Prepare and File Form 2100 Construction Permit or License Application </div> <div> Amount: \$1,548.60 </div>

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	<p>Component Description: WTAE Prepare and file FCC Form 2100 (main) License to Cover Application</p> <p>Amount: \$934.40</p>
Attorney Fees - Prepare and File request for Special Temporary Authorization	<p>Component Description: WTAE Prepare and File request for Special Temporary Authorization</p> <p>Amount: \$1,499.80</p> <p>Component Description: WTAE Prepare and File request for Special Temporary Authorization</p> <p>Amount: \$658.00</p>
Comprehensive coverage verification via field study, if needed	Information not provided.
Transmitter Site Survey	<p>Component Description: WTAE Field Service, GatesAir 6 /30/2016 \$22,042</p> <p>Amount: \$22,042.00</p>

Non-Catalog legal expenses		
	Component Description:	WTAE Non-Catalog expenses for legal services
	Amount:	\$4,852.00
	Component Description:	WTAE non-catalog legal 1
	Amount:	\$2,878.70
	Component Description:	WTAE non-catalog legal 2
	Amount:	\$3,690.02

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	\$36,616.26	\$29,779.86		\$27,279.86	
DTV Medical Facility Notification	\$11,550.00	\$4,393.60	N/A	\$4,393.60	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,110.00	N/A	\$1,110.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$660.00	Main and Auxiliary	\$660.00	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	\$190.00	N/A
Local Zoning	<i>\$0.00</i>	\$0.00	need quote	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$7,800.00</i>	\$7,800.00	disposal of two transmitter high-voltage beam supplies	\$7,800.00	N/A

Equipment Storage	\$0.00	\$0.00	Estimate for 1 year of antenna storage. See attached Dielectric document.	N/A	N/A
Develop and air announcement of upcoming channel change	\$2,500.00	\$2,500.00	Attorney review to ensure FCC compliance	N/A	N/A
MVPD Notification of Channel Change	\$3,207.20	\$3,207.20	Cost per DTV Notification quote	\$3,207.20	N/A
Contract labor	\$4,209.46	\$4,209.46	accounting labor directly related to the Spectrum Repack project	\$4,209.46	N/A
in-house labor	\$5,709.60	\$5,709.60	in-house labor directly related to station's repack	\$5,709.60	N/A
Sub-total	\$36,616.26	\$29,779.86	N/A	\$27,279.86	N/A
Total for all systems	\$3,106,392.32	\$2,428,719.18	N/A	\$2,318,097.54	N/A

Components

Actual Information
Description

File Name

DTV Medical Facility Notification	Component Description: WTAE medical notification Amount: \$4,393.60
FCC Filing Fees - Form 2100 minor change CP application	Component Description: WTAE Auxiliary antenna construction permit application fee Amount: \$1,110.00
FCC Filing Fees - Form 2100 license to cover application	Component Description: WTAE Main antenna license to cover application fee Amount: \$325.00 Component Description: WTAE Auxiliary antenna license to cover application fee Amount: \$335.00
FCC Filing Fees - Special Temporary Authorization request	Component Description: WTAE Engineering STA application fee Amount: \$190.00
Local Zoning	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description: WTAE transmitter HV beam supplies disposal Amount: \$7,800.00
Equipment Storage	Information not provided.

Develop and air announcement of upcoming channel change	Information not provided.	
MVPD Notification of Channel Change	Component Description: Amount:	WTAE MVPD notification \$3,207.20
Contract labor	Component Description: Amount:	WTAE accounting labor \$4,209.46
in-house labor	Component Description: Amount:	WTAE in-house accounting labor 1 \$5,709.60

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$3,106,392.32	\$2,428,719.18
			\$2,318,097.54

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

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

<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>John Drain <i>Hearst Television SVP Chief Financial Officer</i></p> <p>05/14/2020</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"> 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.

<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>Douglas Durkee <i>Hearst Television Manager of Spectrum Repack</i></p> <p>05/14/2020</p>

Attachments