



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **65681** | Service: **DTV** | Call **WTAE-TV** | Channel: **27 (UHF)** |
ID:
File **0000026711** | Sign:
Number:
FRN: **0001587583** | Date **08/09**
Submitted: **/2018**

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	mprak@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
Change Order 4	additional installation supplies
Shipping	Transmitter shipping
Change Order 1	8-pole filters, RF components, copper cooling lines
Change Order 2	RF impedance transformer
Change Order 3	additional required RF components
Transmitter de-install	Remove old transmitter
Electrical Accessories	Surge Protection and transformer
RF Accessories	Additional RF components required for transmitter operation and integration into current RF environment.

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

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

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

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

Auxiliary **Existing Transmission Line**
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

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

**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

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	No
Other Miscellaneous Expenses	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?	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 Information not provided.
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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	\$1,816,905.81	\$1,343,604.25		\$1,253,129.20	
RF Accessories	<i>\$76,222.30</i>	\$76,222.30	Additional RF components required for transmitter operation and integration into current RF environment.	\$76,222.30	N/A
Electrical Accessories	<i>\$10,415.29</i>	\$10,415.29	Manufacturer required electrical components	\$10,415.29	N/A
Transmitter de-install	<i>\$22,128.40</i>	\$22,128.40	removal of current transmitter to make space for replacement	N/A	N/A
Change Order 3	<i>\$3,388.32</i>	\$3,388.32	required RF components	\$3,388.32	N/A
Change Order 4	<i>\$470.64</i>	\$470.64	installation supplies	\$470.64	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.	\$939,936.79	N/A
Other Electrical Service: transmitter electrical installation	\$190,402.00	\$190,402.00	transmitter electrical installation per quote and CO1	\$181,817.00	N/A
Change Order 2	\$1,126.25	\$1,126.25	RF impedance transformer	\$1,126.25	N/A
Change Order 1	\$14,888.21	\$14,888.21	required transmitter components	\$14,888.21	N/A
Shipping	\$16,404.40	\$16,404.40	Transmitter shipping	\$16,404.40	N/A
Other -- Building Addition Size: 2000.0	\$3,860.00	\$3,860.00	Modifications needed for installation of repack transmitter	\$3,860.00	N/A

Other Electrical Service: transmitter installation electrical service	\$4,600.00	\$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
Sub-total	\$1,816,905.81	\$1,343,604.25	N/A	\$1,253,129.20	N/A
Total for all systems	\$3,074,739.01	\$2,552,940.45	N/A	\$1,948,104.47	N/A

Components

Actual Information	
Description	File Name
RF Accessories	<p>Component Description: WTAE transmitter RF accessories</p> <p>Amount: \$76,222.30</p>
Electrical Accessories	<p>Component Description: WTAE transmitter electrical</p> <p>Amount: \$10,415.29</p>
Transmitter de-install	Information not provided.
Change Order 3	<p>Component Description: WTAE transmitter CO 3</p> <p>Amount: \$3,388.32</p>

Change Order 4	<div> <div>Component Description:</div> <div>WTAE transmitter CO 4</div> </div> <div> <div>Amount:</div> <div>\$470.64</div> </div>
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	<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>Transmitter 1st deposit</div> </div> <div> <div>Amount:</div> <div>\$118,742.08</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</div> </div> <div> <div>Amount:</div> <div>\$231,479.67</div> </div>
Other Electrical Service: transmitter electrical installation	<div> <div>Component Description:</div> <div>WTAE transmitter installation electrical CO1</div> </div> <div> <div>Amount:</div> <div>\$18,702.00</div> </div> <div> <div>Component Description:</div> <div>WTAE transmitter installation electrical 1</div> </div> <div> <div>Amount:</div> <div>\$103,020.00</div> </div> <div> <div>Component Description:</div> <div>WTAE transmitter installation electrical 2</div> </div> <div> <div>Amount:</div> <div>\$60,095.00</div> </div>

Change Order 2	<div> <div>Component Description:</div> <div>WTAE transmitter CO 2</div> </div> <div> <div>Amount:</div> <div>\$1,126.25</div> </div>
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>
Shipping	<div> <div>Component Description:</div> <div>WTAE transmitter shipping 2</div> </div> <div> <div>Amount:</div> <div>\$2,710.75</div> </div> <div> <div>Component Description:</div> <div>WTAE transmitter shipping 1</div> </div> <div> <div>Amount:</div> <div>\$13,693.65</div> </div>
Other -- Building Addition Size: 2000.0	<div> <div>Component Description:</div> <div>WTAE transmitter room modifications</div> </div> <div> <div>Amount:</div> <div>\$3,860.00</div> </div>
Other Electrical Service: transmitter installation electrical service	<div> <div>Component Description:</div> <div>WTAE preliminary electrical work for transmitter replacement</div> </div> <div> <div>Amount:</div> <div>\$4,600.00</div> </div>

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	\$216,782.00	\$207,725.00		\$183,024.00	
Shipping	<i>\$4,620.00</i>	\$4,620.00	shipping per Dielectric quote	\$0.00	N/A
Sales Tax	<i>\$13,464.00</i>	\$13,464.00	estimated antenna sales tax based on Pennsylvania state and local sales tax rate of 7%	N/A	N/A
Feed Through Components	<i>\$11,693.00</i>	\$11,693.00	additional RF components required for antenna installation per attached Dielectric quote	\$0.00	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$16,425.00	N/A	\$0.00	N/A

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,298.00	N/A	\$0.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$0.00	N/A
UHF - High Power, Side Mount, basic slot antenna, 628 kW input, directional,, horizontally polarized	\$144,825.00	\$144,825.00	antenna cost per attached Dielectric quote	\$183,024.00	Progress payments and accessories not itemized.
Auxiliary Antenna TFU-16WB	\$166,718.00	\$151,633.00		\$125,978.84	
Sales Tax	\$9,228.00	\$9,228.00	estimated antenna sales tax based on Pennsylvania state and local sales tax rate of 7%	N/A	N/A
UHF - High Power, Side Mount, basic slot antenna, 16 bay,, 628 kW input, directional,, horizontally polarized	\$106,050.00	\$106,050.00	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	\$0.00	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$11,970.00	N/A	\$0.00	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$10,125.00	N/A	\$0.00	N/A
Shipping	\$4,175.00	\$4,175.00	shipping per attached Dielectric quote	\$0.00	N/A
Impedence Transformer	\$3,685.00	\$3,685.00	transformer to match antenna to transmission line	\$0.00	Rounding Error for the difference in cost.
Sub-total	\$383,500.00	\$359,358.00	N/A	\$309,002.84	N/A
Total for all systems	\$3,074,739.01	\$2,552,940.45	N/A	\$1,948,104.47	N/A

Components

Actual Information	
Description	File Name
Shipping	Information not provided.
Sales Tax	Information not provided.
Feed Through Components	Information not provided.

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

<p>UHF - High Power, Side Mount, basic slot antenna, 16 bay,, 628 kW input, directional,, horizontally polarized</p>	<table> <tr> <td data-bbox="697 100 1114 369"> <p>Component Description:</p> </td><td data-bbox="1114 100 1430 369"> <p>WTAE Dielectric Auxiliary Antenna; payment 3 - 45%; 9.13.2017; \$62,989.42</p> </td></tr> <tr> <td data-bbox="697 369 1114 481"> <p>Amount:</p> </td><td data-bbox="1114 369 1430 481"> <p>\$62,989.42</p> </td></tr> <tr> <td data-bbox="697 481 1114 801"> <p>Component Description:</p> </td><td data-bbox="1114 481 1430 801"> <p>WTAE Dielectric Auxiliary Antenna; payments 1&2 - 45%; 9.13.2017; \$62,989.42</p> </td></tr> <tr> <td data-bbox="697 801 1114 869"> <p>Amount:</p> </td><td data-bbox="1114 801 1430 869"> <p>\$62,989.42</p> </td></tr> </table>	<p>Component Description:</p>	<p>WTAE Dielectric Auxiliary Antenna; payment 3 - 45%; 9.13.2017; \$62,989.42</p>	<p>Amount:</p>	<p>\$62,989.42</p>	<p>Component Description:</p>	<p>WTAE Dielectric Auxiliary Antenna; payments 1&2 - 45%; 9.13.2017; \$62,989.42</p>	<p>Amount:</p>	<p>\$62,989.42</p>
<p>Component Description:</p>	<p>WTAE Dielectric Auxiliary Antenna; payment 3 - 45%; 9.13.2017; \$62,989.42</p>								
<p>Amount:</p>	<p>\$62,989.42</p>								
<p>Component Description:</p>	<p>WTAE Dielectric Auxiliary Antenna; payments 1&2 - 45%; 9.13.2017; \$62,989.42</p>								
<p>Amount:</p>	<p>\$62,989.42</p>								
<p>Sweep test of existing antenna</p>	<p>Information not provided.</p>								
<p>Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)</p>	<p>Information not provided.</p>								
<p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>								
<p>Shipping</p>	<p>Information not provided.</p>								
<p>Impedence Transformer</p>	<p>Information not provided.</p>								

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	\$15,500.00	\$15,500.00		\$11,966.13	
Line refurbish	\$9,100.00	\$9,100.00	required transmission line parts	\$9,100.00	N/A
Line sweep	\$6,400.00	\$6,400.00	standard line sweep cost	\$2,866.13	N/A
Auxiliary Transmission Line	\$214,804.00	\$162,700.00		\$136,850.50	
Rigid Transmission Line - copper, 6 1/8" broadband	\$204,160.00	\$152,056.00	price per attached Dielectric quote	\$136,850.50	N/A
Sales Tax	\$10,644.00	\$10,644.00	estimated sales tax based on Pennsylvania state and local sales tax rate of 7%	N/A	N/A
Sub-total	\$230,304.00	\$178,200.00	N/A	\$148,816.63	N/A
Total for all systems	\$3,074,739.01	\$2,552,940.45	N/A	\$1,948,104.47	N/A

Components

Actual Information Description	File Name
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Line refurbish	<p>Component Description: WTAE transmission line refurbish parts</p> <p>Amount: \$9,100.00</p>
Line sweep	<p>Component Description: WTAE transmission line sweep</p> <p>Amount: \$2,866.13</p>
Rigid Transmission Line - copper, 6 1/8" broadband	<p>Component Description: WTAE Dielectric Aux transmission line; payment 3 - 45%; \$68,425.25</p> <p>Amount: \$68,425.25</p> <p>Component Description: WTAE Dielectric Aux Transmission Line; payment 3 - 45%; \$68,425.25</p> <p>Amount: \$68,425.25</p>
Sales Tax	Information not provided.

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	\$388,600.00	\$434,884.00		\$200,163.00	
Tower Consulting	<i>\$7,500.00</i>	\$7,500.00	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
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	\$0.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$263,634.00	Antenna replacements. See attached quote "WTAE Coast to Coast Tower Agreement Complete 18-04-18.pdf	\$182,275.00	N/A
Sub-total	\$388,600.00	\$434,884.00	N/A	\$200,163.00	N/A
Total for all systems	\$3,074,739.01	\$2,552,940.45	N/A	\$1,948,104.47	N/A

Components

Actual Information		
Description	File Name	
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 1
	Amount:	\$3,625.00
	Component Description:	WTAE tower rigorous analysis
	Amount:	\$6,500.00
	Component Description:	WTAE tower engineering evaluation 2
	Amount:	\$3,625.00
Minor tower reinforcement /modifications	Information not provided.	
Tall Tower (greater than 500')	Component Description:	WTAE tower work progress payment
	Amount:	\$90,000.00
	Component Description:	WTAE tower work invoice 1 (see quote page 14)
	Amount:	\$92,275.00

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	\$203,227.00	\$188,292.00		\$29,392.00	
Prepare request for Special Temporary Authorization	\$4,100.00	\$1,500.00	N/A	\$1,062.50	N/A
Transmitter Site Survey	<i>\$22,042.00</i>	\$22,042.00	Transmitter planning survey & transmitter building drawings quote attached	\$22,042.00	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A

Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	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	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	N/A	N/A

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,025.00	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
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$31,600.00	\$30,000.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Sub-total	\$203,227.00	\$188,292.00	N/A	\$29,392.00	N/A
Total for all systems	\$3,074,739.01	\$2,552,940.45	N/A	\$1,948,104.47	N/A

Components

Actual Information
Description

File Name

Prepare request for Special Temporary Authorization	Component Description:	WTAE RF consulting for interim antenna STA 1
	Amount:	\$812.50
	Component Description:	WTAE RF consulting for interim antenna STA 2
	Amount:	\$250.00
Transmitter Site Survey	Component Description:	WTAE Field Service, GatesAir 6/30/2016 \$22,042
	Amount:	\$22,042.00
RF Exposure Measurements	Information not provided.	
Comprehensive coverage verification via field study, if needed	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	

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

Prepare and or review reimbursement form	Information not provided.
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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	\$52,202.20	\$48,602.20		\$7,600.80	
DTV Medical Facility Notification	\$11,550.00	\$8,000.00	N/A	\$4,393.60	N/A
MVPD Notification of Channel Change	<i>\$3,207.20</i>	\$3,207.20	Cost per DTV Notification quote	\$3,207.20	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
Local Zoning	<i>\$3,000.00</i>	\$3,000.00	need quote	N/A	N/A
Equipment Storage	<i>\$30,500.00</i>	\$30,500.00	Estimate for 1 year of antenna storage. See attached Dielectric document.	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$2,500.00</i>	\$2,500.00	Attorney review to ensure FCC compliance	N/A	N/A

Sub-total	\$52,202.20	\$48,602.20	N/A	\$7,600.80	N/A
Total for all systems	\$3,074,739.01	\$2,552,940.45	N/A	\$1,948,104.47	N/A

Components

Actual Information Description	File Name
DTV Medical Facility Notification	Component Description: WTAE medical notification Amount: \$4,393.60
MVPD Notification of Channel Change	Component Description: WTAE MVPD notification Amount: \$3,207.20
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
Local Zoning	Information not provided.
Equipment Storage	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$3,074,739.01	\$2,552,940.45	\$1,948,104.47

Reimbursement Status	Question	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	<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>08/09/2018</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>08/09/2018</p>

Attachments