

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 65681 Service: DTV Call WTAE-TV Channel: 27 (UHF)

Sign:

File **0000026711**

Number:

ID:

FRN: **0001587583** Date **10/20**

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 Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applica	nt Address	Phone	Email

The Preparer is same as the reimbursement contact.

Broadcaster Information and Transition Plan Question Response

Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	See attached document

Transmitters

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

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	
Manufacturer and Type	Model	Sigma
	Year	1999
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	44 kW

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.

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
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	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

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
RF Accessories	Additional RF components required for transmitter operation and integration into current RF environment.
Change Order 3	additional required RF components
Remote Control	transmitter remote control equipment
Change Order 5	pipe for transmitter test load (plumbing kit)
Change Order 2	RF impedance transformer
Electrical Accessories	Surge Protection and transformer
Transmitter de-install	Remove old transmitter

Antennas

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

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	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	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

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	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	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.

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	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

Other Antenna Cost Not Listed

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

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	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	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

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	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	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	
		1

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

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	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

Other Antenna Cost Not Listed

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

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

Primary Transmission

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	Manufacturer	Dielectric
Line Manufacturer and Type	Туре	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

Other Transmission Line Expenses Not Listed

n _{Na} ine	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 Se

Existing Transmission Line

on 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	Manufacturer	
Line Manufacturer and Type	Туре	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

New Transmission Line

Auxiliary Transmission Line

New Transmission Line
Costs

Use	Auxiliary (Backup)
Description of Use	Interim /Auxiliary
Change Type	Purchase New
Is this a request for upgraded equipment?	No
Туре	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.

Auxiliary

Other Transmission Line Expenses Not Listed

Transmission Line		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	Do you have a tower registration number?	Yes
Registration	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 fe
	Support Structure Height	892.38 fee
	Ground Elevation Above Mean Sea Level (AMSL)	982.93 fee

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
Road Repair	repair damage to road due to heavy equipment
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	Prepare and file Form FCC Construction Permit Application	Yes
Services	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 Professiona

Other Professional Services Expenses Not Listed

al Services Costs	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	
Transmitter de-install	\$22,128.40	\$22,128.40	removal of current transmitter to make space for replacement	\$22,128.40	N/A
Electrical Accessories	\$10,415.29	\$10,415.29	Manufacturer required electrical components	\$10,415.29	N/A
Change Order 2	\$1,126.25	\$1,126.25	RF impedance transformer	\$1,126.25	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

RF Accessories	\$76,222.30	\$76,222.30	Additional RF	\$76,222.30	N/A
			components		
			required for		
			transmitter		
			operation		
			and		
			integration		
			into current		
			RF		
			environment.		
Change	\$14,888.21	\$14,888.21	required	\$14,888.21	N/A
Order 1			transmitter		
			components		
Shipping	\$16 404 40	\$16,404.40	Transmitter	\$16,404.40	N/A
Shipping	\$16,404.40	\$16,404.40	shipping	\$10,404.40	N/A
Change	\$470.64	\$470.64	installation	\$470.64	N/A
Order 4	φ+10.0+	Ψ-7 0.0-	supplies	Ψ+7 0.0+	14/73
Other	\$3,860.00	\$3,860.00	Modifications	\$3,860.00	N/A
Building			needed for		
Addition			installation of		
Size:			repack		
2000.0			transmitter		
Other	\$194,186.77	\$194,186.77	transmitter	\$194,186.77	Sub-total
Electrical			electrical		and
Service:			installation		estimate ar
transmitter			per quotes		identical.
electrical			and change		\$194,186.7
installation			orders		
UHF -	\$1,473,000.00	\$999,698.44	GatesAir	\$999,698.44	999,698.44
Liquid			quote		
Cooled			sections A, B		
Solid State			& E. This is		
Transmitter			the		
35 - 50 kW			transmitter,		
JJ JU KVV			mask filter,		
			installation		
			and proof		
			ner the F('('		
			per the FCC "transmitter"		

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	\$1,832,574.22	\$1,359,272.66	N/A	\$1,359,272.66	N/A
Total for all systems	\$3,146,218.32	\$2,450,121.51	N/A	\$2,360,070.64	N/A

Components

Actual Information Description	File Name	
Transmitter de-install		
	Component Description:	WTAE transmitter de-install
	Amount:	\$22,128.40
Electrical Accessories		
	Component Description:	WTAE transmitter
		electrical
	Amount:	\$10,415.29
Change Order 2		
	Component Description:	WTAE transmitter
	_	CO 2
	Amount:	\$1,126.25

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		
	Component Description:	WTAE transmitter
		CO 3
	Amount:	\$3,388.32
RF Accessories		
	Component Description:	WTAE transmitter
	·	RF accessories
	Amount:	\$76,222.30
Change Order 1		
	Component Description:	WTAE transmitter
		CO 1
	Amount:	\$14,888.21
Shipping		
	Component Description:	WTAE transmitter
		shipping 1
	Amount:	\$13,693.65
	Component Description:	WTAE transmitter
	,	shipping 2
	Amount:	\$2,710.75
Change Order 4		
	Component Description:	WTAE transmitter
		CO 4
		¢470.64
	Amount:	\$470.64

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

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW **Component Description:** Transmitter 2nd deposit \$215,264.19 **Amount: Component Description:** WTAE transmitter Amount: \$231,479.67 **Component Description:** WTAE transmitter installation Amount: \$59,761.65 **Component Description:** Transmitter 1st deposit Amount: \$118,742.08 **Component Description:** WTAE transmitter one-third prior to ship **Amount:** \$374,450.85 Other Electrical Service: transmitter installation **Component Description:** WTAE preliminary electrical service

electrical work for

transmitter replacement \$4,600.00

Amount:

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	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
UHF - High Power, Side Mount, basic slot antenna, 628 kW input, directional,, horizontally polarized	\$183,024.00	\$183,024.00	antenna cost per attached Dielectric invoices	\$183,024.00	Progress payments and accessories not itemized.
Shipping	\$4,620.00	\$4,620.00	shipping per Dielectric quote	\$4,620.00	N/A
Feed Through Components	\$0.00	\$0.00	additional RF components required for antenna installation per attached Dielectric quote	\$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

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
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
Auxiliary Antenna TFU-16WB	\$172,588.32	\$135,408.32		\$135,408.32	
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
Impedence Transformer	\$0.00	\$0.00	transformer to match antenna to transmission line	\$0.00	Rounding Error for the difference in cost.
		\$6,400.00	N/A	\$6,400.00	N/A

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
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
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$0.00	N/A	\$0.00	N/A
Sub-total	\$402,412.32	\$329,452.32	N/A	\$329,452.32	N/A
Total for all systems	\$3,146,218.32	\$2,450,121.51	N/A	\$2,360,070.64	N/A

Actual Information Description	File Name	
Sweep test of existing antenna	Component Description:	WTAE main
	Amount:	antenna sweep \$6,400.00

UHF - High Power, Side Mount, basic slot antenna, 628 kW input, directional,, horizontally polarized	Component Description:	WTAE Dielectric Main antenna payment 3 - 45%; \$91,512
	Amount:	\$91,512.00
	Component Description:	WTAE Dielectric Main Antenna 9.13.2017; \$91,512 payments 1&2 - 45%
	Amount:	\$91,512.00
	Component Description:	WTAE: Reimbursement request withdrawn
	Amount:	N/A
Shipping		
	Component Description: Amount:	WTAE main antenna shipping \$4,620.00
Feed Through Components	Information not provided.	
Sales Tax	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.	
Shipping	O amman at D	AATT A E
	Component Description: Amount:	WTAE aux antenna shipping \$3,029.48

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

Cost Information

Transmission Line

	Predetermined	Estimated	Estimated Cost		Actual Cost
Description	Cost Estimate	Cost	Justification	Actual Cost	Justification
Primary Transmission Line	\$15,226.11	\$15,226.11		\$15,226.11	
Line sweep	\$2,866.13	\$2,866.13	standard line sweep cost	\$2,866.13	N/A
Line refurbish	\$0.00	\$0.00	required transmission line parts	\$0.00	N/A
Additional Line Components	\$11,971.33	\$11,971.33	Additional transmission line parts needed for project	\$11,971.33	N/A
Shipping	\$388.65	\$388.65	shipping for transmission line cut sections and other transmission line components	\$388.65	N/A
Auxiliary Transmission Line	\$204,418.41	\$165,225.80		\$165,225.80	
Sales Tax	\$0.00	\$0.00	estimated sales tax based on Pennsylvania state and local sales tax rate of 7%	\$0.00	N/A

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
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	\$3,146,218.32	\$2,450,121.51	N/A	\$2,360,070.64	N/A

Actual Information Description	File Name	
Line sweep		
	Component Description:	WTAE
		transmission line
		sweep
	Amount:	\$2,866.13
Line refurbish		
	Component Description:	Station reimbursed
		for non-
		reimbursable
		expense
		(transmission line
		refurbish)
	Amount:	(\$9,100.00)
	Component Description:	WTAE
		transmission line
		refurbish parts
	Amount:	\$9,100.00

	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
	Amount:	parts 2 \$349.53
	Amount.	ψ043.33
Shipping	Component Description:	WTAE shipping for
	- Сетренет Весегриет	transmission line part 2
	Amount:	\$360.45
	Component Description:	WTAE shipping for transmission line
	Amount:	part \$28.20
Sales Tax	Information not provided.	

Rigid Transmission Line -		
,	Component Description:	WTAE auxiliary transmission line
	Amount:	\$6,184.76
	7ounc	φο, το σ
	Component Description:	WTAE additional
		aux transmission
		line pieces
	Amount:	\$12,587.43
	Component Description:	WTAE Dielectric
		Aux transmission
		line; payment 3 -
	Amount:	45%; \$68,425.25
	Amount.	\$68,425.25
	Component Description:	WTAE Dielectric
		Aux Transmission
		Line; payment 3 -
	Amount	45%; \$68,425.25
	Amount:	\$68,425.25
	Component Description:	WTAE
		transmission line
		cut piece with
	Amount	shipping \$5,707,00
	Amount:	\$5,707.90
	Component Description:	WTAE additional
		transmission line
		cut pieces
	Amount:	\$3,636.80
Shipping		
	Component Description:	WTAE shipping for
		aux T/L piece
	Amount:	\$258.41

Cost Information

Tower Equipment and Rigging Costs

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	
Structural engineering tower load study for well documented tower	\$12,600.00	\$13,750.00	See quotes	\$13,750.00	N/A
Tower Consulting	\$4,138.00	\$4,138.00	tower consulting and tower project management - quote attached	\$4,138.00	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
Road Repair	\$6,680.00	\$6,680.00	see associated invoice	\$6,680.00	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$0.00	N/A	\$0.00	N/A
Sub-total	\$391,918.00	\$318,483.68	N/A	\$318,483.68	N/A

Total for all	\$3,146,218.32	\$2,450,121.51	N/A	\$2,360,070.64	N/A
systems					

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

Tall Tower (greater than		
500')	Component Description:	WTAE tower work
		invoice 1 (see
	Amount:	quote page 14) \$92,275.00
	Amount.	Ψ32,270.00
	Component Description:	WTAE tower work
		progress payment 2
	Amount:	\$50,000.00
	Component Description:	WTAE tower work
	Component Bookington.	change order 1
	Amount:	\$31,640.68
	Component Description:	WTAE tower work
		progress payment 3
	Amount:	\$30,000.00
	Component Description:	WTAE tower work
	Amount:	progress payment \$90,000.00
Road Repair		
	Component Description:	WTAE tower site
	Amount:	road repair \$6,680.00
Minor tower reinforcement	Information not provided.	
/modifications		

Cost Information

Outside Professional Services

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual C
Outside Professional Services	\$223,227.00	\$192,855.08		\$105,304.21	
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	\$13,332.82	N/A
Transmitter Site Survey	\$22,042.00	\$22,042.00	Transmitter planning survey & transmitter building drawings quote attached	\$22,042.00	N/A
RF Exposure Measurements	\$21,050.00	\$0.00	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	\$2,157.80	N/A	\$2,157.80	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$934.40	N/A	\$934.40	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$1,548.60	N/A	\$1,548.60	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$2,148.03	N/A	\$2,148.03	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$1,062.50	N/A	\$1,062.50	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$100.00	N/A	\$100.00	N/A

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$837.50	N/A	\$837.50	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$2,025.00	N/A	\$2,025.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$4,262.50	N/A	\$4,262.50	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$0.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$1,617.46	N/A
Project management of the transition	\$31,600.00	\$52,986.75	see Kube Broadcast Consulting invoices	\$52,985.60	N/A

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$250.00	N/A	\$250.00	N/A
Sub-total	\$223,227.00	\$192,855.08	N/A	\$105,304.21	N/A
Total for all systems	\$3,146,218.32	\$2,450,121.51	N/A	\$2,360,070.64	N/A

Actual Information	
Description	File Name

Non-Catalog legal expenses		
	Component Description:	WTAE non-catalog
		legal 4
	Amount:	\$1,529.60
	Component Description:	WTAE non-catalog
	Amount:	legal 6 \$288.50
	7 unounu	\$250.50
	Component Description:	WTAE non-catalog
	Component Description.	legal 5
	Amount:	\$94.00
	Component Description:	WTAE Non-
		Catalog expenses
		for legal services
	Amount:	\$4,852.00
	Component Description:	WTAE non-catalog
	Amount:	legal 2 \$3,690.02
	Allounc	ψ0,030.02
	Component Description:	WTAE non-catalog
		legal 1
	Amount:	\$2,878.70
Transmitter Site Survey		
	Component Description:	WTAE Field
		Service, GatesAir 6
	Amount:	/30/2016 \$22,042 \$22,042.00
		4,0 1 - 100
RF Exposure	Information not provided.	
Measurements		
Comprehensive coverage	Information not provided.	
verification via field study, if		
needed		

Attorney Fees - Prepare and File request for Special Temporary Authorization	Component Description:	WTAE Prepare and File request for Special Temporary Authorization
	Amount:	\$1,499.80
	Component Description:	WTAE Prepare and File request for Special Temporary Authorization
	Amount:	\$658.00
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description:	WTAE Prepare and file FCC Form
		2100 (main) License to Cover Application
	Amount:	\$934.40
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Component Description:	WTAE Aux Antenna, Prepare and File Form 2100
	A	Construction Permit or License Application
	Amount:	\$1,548.60

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	WTAE Prepare and File FCC Form 2100, Construction
	Amount:	Permit Application \$929.70
	Component Description:	WTAE Prepare and File FCC Form 2100, Construction Permit Application
	Amount:	\$163.80
	Component Description:	WTAE Prepare and File FCC Form 2100, Construction Permit Application
	Amount:	\$1,054.53
Prepare request for Special Temporary Authorization		
Tomporary Advionages	Component Description:	WTAE RF consulting for interim antenna STA 2
	Amount:	\$250.00
	Component Description:	WTAE RF consulting for interim antenna
	Amount:	STA 1 \$812.50
RF Consulting Engineer		
Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover	Component Description:	WTAE RF consulting auxiliary antenna license to cover
Application	Amount:	\$100.00

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit	Component Description:	WTAE engineering for auxiliary antenna construction permit
Application	Amount:	\$837.50
Prepare engineering section of FCC Form 2100	Component Description	M/TAE CD
(main), Construction Permit	Component Description:	WTAE CP engineering prep
Application	Amount:	\$2,025.00
Perform engineering study for new channel		
assignment and antenna	Component Description:	WTAE engineering study 3
development	Amount:	\$825.00
	Component Description:	WTAE engineering
	Amount:	study 2 \$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.	

Prepare and or review reimbursement form

Component Description: WTAE Prepare and

/or review

reimbursement

Form 399-3

Amount: \$235.00

Component Description: WTAE Prepare and

/or review

reimbursement

Form 399

Amount: \$1,082.40

Component Description: WTAE Prepare and

/or review

reimbursement

Form 399-2

Amount: \$300.06

Project management of the		
ransition	Component Description:	WTAE Kube 7
	Amount:	\$35,720.47
	Component Description: Amount:	WTAE Kube 4 \$75.00
	Component Description: Amount:	WTAE Kube 2 \$75.00
	Component Description: Amount:	WTAE Kube 3 \$2,347.94
	Component Description: Amount:	WTAE Kube 5 \$3,746.63
	Component Description: Amount:	WTAE Kube 1 \$375.00
	Component Description: Amount:	WTAE Kube 6 \$10,645.56
Prepare engineering section of FCC Form 2100	Component Description:	WTAE engineering
main), License to Cover		for license to cover

Cost Information

Other Expenses

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$76,442.26	\$69,605.86		\$67,105.86	
in-house labor	\$45,535.60	\$45,535.60	in-house labor directly related to station's repack	\$45,535.60	N/A
Contract labor	\$4,209.46	\$4,209.46	accounting labor directly related to the Spectrum Repack project	\$4,209.46	N/A
Local Zoning	\$0.00	\$0.00	need quote	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	\$190.00	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 - Form 2100 minor change CP application	\$1,110.00	\$1,110.00	N/A	\$1,110.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$4,393.60	N/A	\$4,393.60	N/A

MVPD Notification of Channel Change	\$3,207.20	\$3,207.20	Cost per DTV Notification quote	\$3,207.20	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
Equipment Storage	\$0.00	\$0.00	Estimate for 1 year of antenna storage. See attached Dielectric document.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$7,800.00	\$7,800.00	disposal of two transmitter high- voltage beam supplies	\$7,800.00	N/A
Sub-total	\$76,442.26	\$69,605.86	N/A	\$67,105.86	N/A
Total for all systems	\$3,146,218.32	\$2,450,121.51	N/A	\$2,360,070.64	N/A

Actual Information	
Description	File Name

in-house labor		
	Component Description:	WTAE in-house
	Amount:	accounting labor 1 \$5,709.60
	Amount.	ψ3,709.00
	Component Description:	WTAE in-house repack project
	Amount:	labor 1 \$39,826.00
Contract labor		
	Component Description:	WTAE accounting labor
	Amount:	\$4,209.46
Local Zoning	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Component Description:	WTAE
request	Amount:	Engineering STA application fee \$190.00
	Amount.	\$190.00
FCC Filing Fees - Form 2100 license to cover	Component Description:	WTAE Main
application	остроном досоприст	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 - Form 2100 minor change CP application	Component Description:	WTAE Auxiliary antenna construction permit application fee
	Amount:	\$1,110.00
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
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage	e Information not provided.	
Disposal Costs (for equipment and other waste,	Component Description:	WTAE transmitter
net of any salvage value)	,	HV beam supplies
		disposal
	Amount:	\$7,800.00

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,146,218.32	\$2,450,121.51	\$2,360,070.64

Reimbursem	enrestiatus	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

Section Question Response

Submission of Estimated Expenses Statements

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.

- 1. The Authorized
 Person signing
 below certifies that he
 /she is authorized to
 submit this TV
 Broadcaster
 Relocation Fund
 Reimbursement
 Form on behalf of
 the above-named
 entity.
- 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.
- 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.

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

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. John Drain Hearst Television SVP Chief Financial Officer

10/20/2020

Section Question Response

Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).

- 1. The Authorized
 Person signing
 below certifies and
 represents that he
 /she is authorized to
 submit this TV
 Broadcaster
 Relocation Fund
 Reimbursement
 Form on behalf of
 the above-named
 entity.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.

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

- 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Douglas
Durkee
Hearst
Television
Manager of
Spectrum
Repack

10/20/2020

Attachments