

(REFERENCE COPY - Not for submission)

#### FCC Form 399: Reimbursement Request

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

0000026711

Number:

ID:

File

FRN: 0001587583 Date 11/02

> 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**

Applicant	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**

5	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
Remote Control	transmitter remote control equipment
Change Order 3	additional required RF components
RF Accessories	Additional RF components required for transmitter operation and integration into current RF environment.
Change Order 1	8-pole filters, RF components, copper cooling lines
Shipping	Transmitter shipping
Transmitter de-install	Remove old transmitter
Change Order 4	additional installation supplies
Electrical Accessories	Surge Protection and transformer
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

#### **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
Shipping	Antenna shipping
Sales Tax	antenna sales tax

#### **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 <sub>Na</sub> 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

<b>New Transmission Line</b>
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 Descripti		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
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	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	
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
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
Change Order 4	\$470.64	\$470.64	installation supplies	\$470.64	N/A
Shipping	\$16,404.40	\$16,404.40	Transmitter shipping	\$16,404.40	N/A
Change Order 1	\$14,888.21	\$14,888.21	required transmitter components	\$14,888.21	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
Change Order 3	\$3,388.32	\$3,388.32	required RF components	\$3,388.32	N/A
Remote Control	\$9,097.41	\$9,097.41	Equipment needed to remotely control repack transmitter	\$9,097.41	N/A
Change Order 5	\$2,786.23	\$2,786.23	plumbing kit for transmitter test load	\$2,786.23	N/A
Change Order 2	\$1,126.25	\$1,126.25	RF impedance transformer	\$1,126.25	N/A
Electrical Accessories	\$10,415.29	\$10,415.29	Manufacturer required electrical components	\$10,415.29	N/A

Transmitter de-install	\$22,128.40	\$22,128.40	removal of current transmitter to make space for replacement	\$22,128.40	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	
Other Electrical Service: transmitter installation electrical service	Component Description:	WTAE preliminary electrical work for transmitter
	Amount:	replacement \$4,600.00

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW

**Component Description:** 

**Component Description:** 

Amount:

WTAE transmitter

\$231,479.67

Component Description: WTAE transmitter

installation

**Amount:** \$59,761.65

WTAE transmitter

one-third prior to

ship

**Amount:** \$374,450.85

Component Description: Transmitter 1st

deposit

**Amount:** \$118,742.08

Component Description: Transmitter 2nd

deposit

**Amount:** \$215,264.19

Other Electrical Service: transmitter electrical	Component Description:	WTAE transmitter
nstallation		installation
		electrical CO1
	Amount:	\$18,702.00
	Component Description:	WTAE additional
		transmitter electrical
	Amount:	\$3,784.77
	Component Description:	WTAE transmitter
	Component Description.	installation
		electrical 1
	Amount:	\$103,020.00
	Component Description:	WTAE transmitter
		electrical
		installation 3
	Amount:	\$8,585.00
	Component Description:	WTAE transmitter
		installation
	A	electrical 2
	Amount:	\$60,095.00
Other Building Addition Size: 2000.0	Common and Docarintian	MTAE transmitter
	Component Description:	WTAE transmitter room modifications
	Amount:	\$3,860.00
Change Order 4		
	Component Description:	WTAE transmitter
		CO 4
	Amount:	\$470.64

Shipping			
Shipping		NACTA E	
	Component Description:	WTAE transmitter	
	Amount:	shipping 2 \$2,710.75	
	Amount:	\$2,710.75	
	Component Description:	WTAE transmitter	
	Component Description.	shipping 1	
	Amount:	\$13,693.65	
		<b>V</b> 10,000.00	
Change Order 1			
	Component Description:	WTAE transmitter	
		CO 1	
	Amount:	\$14,888.21	
RF Accessories			
	Component Description:	WTAE transmitter	
	Component Description.	RF accessories	
	Amount:	\$76,222.30	
	7.111-5.1111	<b>4.</b> 0,222.00	
Change Order 3			
	<b>Component Description:</b>	WTAE transmitter	
		CO 3	
	Amount:	\$3,388.32	
Remote Control			
	Component Description:	WTAE transmitter	
		remote control	
	Amount:	\$9,097.41	
Change Order 5			
	Component Description:	WTAE transmitter	
		change order 5	
	Amount:	\$2,786.23	
Change Order 2			
	Component Description:	WTAE transmitter	
		CO 2	
	Amount:	\$1,126.25	

	Component Description:	WTAE transmitter
		electrical
	Amount:	\$10,415.29
Transmitter de-install		
	Component Description:	WTAE transmitter
		de-install
	Amount:	\$22,128.40

## **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	
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

Shipping	\$4,620.00	\$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	\$183,024.00	\$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
Auxiliary Antenna TFU-16WB	\$172,588.32	\$135,408.32		\$135,408.32	
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
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
Impedence Transformer	\$0.00	\$0.00	transformer to match antenna to transmission line	\$0.00	Rounding Error for the difference in cost.
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
Shipping	\$3,029.48	\$3,029.48	shipping per attached Dielectric invoice	\$3,029.48	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
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.

Shipping		
	Component Description:	WTAE main
	Amount:	antenna shipping \$4,620.00
	Amount.	φ4,020.00
JHF - High Power, Side		
Mount, basic slot antenna,	<b>Component Description:</b>	WTAE Dielectric
628 kW input, directional,,		Main antenna
norizontally polarized		payment 3 - 45%;
		\$91,512
	Amount:	\$91,512.00
	Commonant Description	WTAE Dielectric
	Component Description:	Main Antenna
		9.13.2017; \$91,512
		payments 1&2 -
		45%
	Amount:	\$91,512.00
	Component Description:	WTAE:
		Reimbursement
		request withdrawn
	Amount:	N/A
Sweep test of existing		
antenna	Component Description:	WTAE main
		antenna sweep
	Amount:	\$6,400.00
Elbow complex,	Information not provided.	
oroadband, at antenna		
nput, per 6 1/8. feedline (if		
needed)		
Side mount brackets for	Information not provided.	
nigh power antennas (if not		
nigh power antennas (if not ncluded in antenna base		

UHF - High Power, Side Mount, basic slot antenna,		
16 bay,, 628 kW input,	Component Description:	WTAE Dielectric
directional,, horizontally		Auxiliary Antenna;
polarized		payment 3 - 45%;
		9.13.2017;
	Amaunt	\$62,989.42 \$62,080,43
	Amount:	\$62,989.42
	Component Description:	WTAE Dielectric
		Auxiliary Antenna;
		payments 1&2 -
		45%; 9.13.2017;
		\$62,989.42
	Amount:	\$62,989.42
Sweep test of existing		
antenna	Component Description:	WTAE auxiliary
		antenna and line
		sweep
	Amount:	\$6,400.00
Impedence Transformer	Information not provided.	
Sales Tax	Information not provided.	
Shipping		
	Component Description:	WTAE aux antenna
		shipping
	Amount:	\$3,029.48

# **Cost Information**

#### **Transmission Line**

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	
Shipping	\$388.65	\$388.65	shipping for transmission line cut sections and other transmission line components	\$388.65	N/A
Additional Line Components	\$11,971.33	\$11,971.33	Additional transmission line parts needed for project	\$11,971.33	N/A
Line refurbish	\$0.00	\$0.00	required transmission line parts	\$0.00	N/A
Line sweep	\$2,866.13	\$2,866.13	standard line sweep cost	\$2,866.13	N/A
Auxiliary Transmission Line	\$204,418.41	\$165,225.80		\$165,225.80	
Shipping	\$258.41	\$258.41	shipping for transmission line cut sections and other transmission line components	\$258.41	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
Sales Tax	\$0.00	\$0.00	estimated sales tax based on Pennsylvania state and local sales tax rate of 7%	\$0.00	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	
Shipping	Component Description: Amount:	WTAE shipping for transmission line part 2 \$360.45
	Component Description:	WTAE shipping for transmission line part
	Amount:	\$28.20

Additional Line Components	Component Description:	WTAE additional
	Component Description.	transmission line
		parts 1
	Amount:	\$9,232.00
	Component Description:	WTAE additional
		transmission line
		parts 3
	Amount:	\$2,389.80
	Component Description:	WTAE additional
	Component Description.	transmission line
		parts 2
	Amount:	\$349.53
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
Line sweep	Amount:	
Line sweep		
Line sweep	Amount:  Component Description:	\$9,100.00
Line sweep		\$9,100.00 WTAE
Line sweep		\$9,100.00  WTAE transmission line
Line sweep	Component Description:	\$9,100.00  WTAE transmission line sweep
Line sweep Shipping	Component Description: Amount:	\$9,100.00  WTAE transmission line sweep \$2,866.13
	Component Description:	\$9,100.00  WTAE transmission line sweep \$2,866.13  WTAE shipping for
	Component Description: Amount:	\$9,100.00  WTAE transmission line sweep \$2,866.13

Rigid Transmission Line - copper, 6 1/8" broadband		
	Component Description:	WTAE
		transmission line
		cut piece with
		shipping
	Amount:	\$5,707.90
	Component Description:	WTAE auxiliary
		transmission line
	Amount:	\$6,184.76
	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
	Component Description:	WTAE additional
	25	transmission line
		cut pieces
	Amount:	\$3,636.80
	<b>Component Description:</b>	WTAE Dielectric
		Aux Transmission
		Line; payment 3 -
		45%; \$68,425.25
	Amount:	\$68,425.25

Information not provided.

Sales Tax

### **Cost Information**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost
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	\$6,680.00	\$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	\$4,138.00	\$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	\$3,146,218.32	\$2,450,121.51	N/A	\$2,360,070.64	N/A
systems					

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

Tower Consulting		
	Component Description:	WXII tower project
		management 2
	Amount:	\$100.00
	Component Description:	WTAE: Tower consulting invoice
	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

### **Cost Information**

#### **Outside Professional Services**

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Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Constitution
Outside Professional Services	\$223,227.00	\$192,855.08		\$105,304.21	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$250.00	N/A	\$250.00	N/A
Project management of the transition	\$31,600.00	\$52,986.75	see Kube Broadcast Consulting invoices	\$52,985.60	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$1,617.46	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$0.00	N/A	N/A	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

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$2,025.00	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	\$837.50	N/A	\$837.50	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
Prepare request for Special Temporary Authorization	\$4,100.00	\$1,062.50	N/A	\$1,062.50	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

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), License to Cover Application	\$2,365.00	\$934.40	N/A	\$934.40	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
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$0.00	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	\$20,000.00	\$20,000.00	Non-Catalog	\$13,332.82	N/A
legal expenses			expenses for		
			legal advice		
			and services,		
			including		
			financial		
			/reimbursement		
			review,		
			transition		
			reporting,		
			transition		
			procedures,		
			and other		
			transition-		
			related issues		
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	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	WTAE engineering for license to cover \$250.00

Project management of t	he
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 6 **Amount:** \$10,645.56

**Component Description:** WTAE Kube 5 **Amount:** \$3,746.63

Component Description: WTAE Kube 1
Amount: \$375.00

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 399-2
	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	<b>Component Description:</b>	WTAE engineering
assignment and antenna development		study 3
uevelopment	Amount:	\$825.00
	Component Description:	WTAE engineering
		study 2
	Amount:	\$2,125.00
	Component Description:	WTAE engineering
		study 1
	Amount:	\$1,312.50
Prepare engineering section of FCC Form 2100	<b>Component Description:</b>	WTAE CP
	Component Description:	WTAE CP engineering prep

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
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
Application	Amount:	cover \$100.00
Prepare request for Special Temporary Authorization	Component Description:	WTAE RF consulting for interim antenna STA 2
	Amount:	\$250.00
	Component Description:	WTAE RF consulting for interim antenna STA 1
	Amount:	\$812.50

Attorney Fees - Prepare and File FCC Form 2100	Component Description:	WTAE Prepare ar
(main), Construction Permit		File FCC Form
Application		2100, Construction
		Permit Application
	Amount:	\$163.80
	Component Description	W/TAE Propers on
	Component Description:	WTAE Prepare ar File FCC Form
		2100, Constructio
		Permit Application
	Amount:	\$1,054.53
	Component Description:	WTAE Prepare ar
		File FCC Form
		2100, Constructio  Permit Application
	Amount:	\$929.70
Attorney Fees - Aux Antenna, prepare and File		
Form 2100 Construction	<b>Component Description:</b>	WTAE Aux
Permit or License		Antenna, Prepare
Application		and File Form 210
		Construction
		Permit or License Application
	Amount:	\$1,548.60
		÷ .,5 .0.00
Attorney Fees -Prepare and File FCC Form 2100		
(main), License to Cover	<b>Component Description:</b>	WTAE Prepare ar
Application		file FCC Form
		2100 (main)
		License to Cover
	Amount:	Application \$934.40
	Amount:	<b>Ф934.4</b> U

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
Comprehensive coverage verification via field study, if needed	Information not provided.	
RF Exposure Measurements	Information not provided.	
Transmitter Site Survey		
	Component Description:	WTAE Field
		Service, GatesAir 6
		/30/2016 \$22,042
	Amount:	\$22,042.00

Non-Catalog	legal	expenses
Non-Catalog	ıeyaı	cybellaca

Component Description: WTAE non-catalog

legal 4

**Amount:** \$1,529.60

Component Description: WTAE non-catalog

legal 6

**Amount:** \$288.50

Component Description: WTAE non-catalog

legal 5

**Amount:** \$94.00

Component Description: WTAE Non-

Catalog expenses

for legal services

**Amount:** \$4,852.00

Component Description: WTAE non-catalog

legal 2

**Amount:** \$3,690.02

Component Description: WTAE non-catalog

legal 1

**Amount:** \$2,878.70

# **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	
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
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
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	\$0.00	\$0.00	need quote	N/A	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	\$45,535.60	\$45,535.60	in-house labor directly related to station's repack	\$45,535.60	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	
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description:  Amount:	WTAE transmitter HV beam supplies disposal \$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
DTV Medical Facility Notification	Component Description: Amount:	WTAE medical notification \$4,393.60
FCC Filing Fees - Form 2100 minor change CP application	Component Description:	WTAE Auxiliary antenna construction permit application
	Amount:	fee \$1,110.00
FCC Filing Fees - Form 2100 license to cover application	Component Description:	WTAE Auxiliary antenna license to cover application
	Amount:	fee \$335.00
	Component Description:	WTAE Main antenna license to cover application
	Amount:	fee \$325.00
FCC Filing Fees - Special Temporary Authorization request	Component Description:	WTAE Engineering STA
	Amount:	application fee \$190.00
Local Zoning	Information not provided.	

Contract labor		
	Component Description:	WTAE accounting
		labor
	Amount:	\$4,209.46
in-house labor		
	<b>Component Description:</b>	WTAE in-house
		accounting labor
	Amount:	\$5,709.60
	Component Description:	WTAE in-house
		repack project
		labor 1
	Amount:	\$39,826.00

# 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

11/02/2020

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

11/02/2020

#### **Attachments**