

Federal Communications Commission

#### (REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility	53921	Service: DTV	Call	WXII-TV	Channel: 16 (UHF)
ID:			Sign:		
File	000002	6725			
Number:					
FRN: <b>00</b>	02538445	Date	10/15		
		Submitted:	/2019		

# Applicant Name, Type, and Contact Information

#### Information Applicant Applicant Address Email Phone Туре HEARST P.O. BOX +1 (919) mprak@brookspierce. Corporation **PROPERTIES INC.** 1800 839com 0300 Doing Business As: RALEIGH, Hearst Properties Inc. NC 27602 United States

#### 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	
internation	The Preparer is same as the reimbursement contact.				

Broadcaster	Question	Response
Information		
and		
Transition		
Plan		

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

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

Primary	Existing Transmitter Information			
Transmitter	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?	Yes	
		Is this transmitter currently in operating condition?	Yes	
	Existing Transmitter	Manufacturer		
	Manufacturer and Type	Model	Sigma CD3100P2	
		Year	2001	
		Туре	Inductive Output Tube	
		IOT Power Type	Тwo	
		Power Capacity	42 kW	

### Facility ID's and Call Signs of all stations with whom the transmitter is shared.

Facility ID	Call Sign
35385	WCWG

# **Existing Transmitter Information**

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

Primary	Other Transmitter Costs			
Transmitter	Section	Question	Response	
	Electrical Service	Service Entrance (3 phases 800A 208V)	No	
		Switchgear (industrial 800 amp)	No	
		Transformer (480V)	Yes	
		Power	300 kVA	
		Rigid Conduit and Wiring	No	
		Size	N/A	
		Length	N/A	
		Other Electrical Service	Yes	
		Description	transmitter installation electrical service	
	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?	No	
		Size	N/A	
	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

# Primary Transmitter

Name	Description
Transmitter installation incidentals	Installation equipment, supplies, etc.
Shipping	transmitter shipping
Transmitter de-install	remove old transmitter
Additional RF components	Additional RF components required for transmitter operation and integration into current RF environment per GatesAir quote.
Change Orders 1 and 2	Required adjustments to transmitter configuration
Electrical Accessories	manufacturer required surge protection
Remote Control	transmitter remote control equipment
Change Orders 3-6	Required adjustments to transmitter configuration
Sales Tax	transmitter sales tax

Antennas Section		Question	Response
Antenna Rela	ated Expenses	Do you have antenna related expenses?	Yes

Primary	Existing Antenna Information			
Antenna	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?	Yes	
		Is the existing antenna directional?	No	
		Is antenna in operating condition?	Yes	
		Is antenna located on or in close proximity to an antenna farm?	No	
	Existing Antenna Manufacturer and Type	Class	Full Power	
		Mounting	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		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)	815.0 kW	
			-	

Manufacturer	
Model	TFU-30- DSC-R04
Year	2001

# Facility ID's and Call Signs of all stations with whom the antenna is shared.

Facility ID	Call Sign
35385	WCWG

Primary	New Antenna Costs			
Antenna	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?	Yes	
		Is antenna directional?	No	
		Will antenna be located on or in close proximity to an antenna farm?	No	
	New Antenna Manufacturer and Types	Class	Full Power	
		Mounting	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		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)	640.0 kW	
		Manufacturer		
			1	

Model	TFU-30- DSC-R04
Year	2019
Justification for New Antenna	Current antenna is channel specific and cannot be used on post- transition channel. Antenna must be replaced.

Response

No

N/A

N/A

N/A

N/A

Yes

Single Channel

# Primary Other Antenna Costs

Primary Antenna			
	Section	Question	
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
		Туре	
		Number of channels supported	
		Frequencies of channels supported	
		Frequency	
		Do you need a combiner output splitter /switcher for dual feed lines?	
	Elbow Complex	Do you require the separate purchase of the Elbow Complex?	
		Broadband or Single Channel?	
		Feed Line Size	

Feed Line Size6 1/8<br/>inchesSide Mount BracketsDo you require the separate purchase of<br/>side mount brackets for a high power<br/>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

antenna sales tax

# Primary<br/>Antenna Other Antenna Cost Not Listed Name Description Shipping antenna shipping Additional RF components transformer, elbow & custom line section

Sales Tax

Interim	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Interim	
		Description of Use	N/A	
		Change Type	Purchase New	
		Ownership	Owned	
		Owner	N/A	
		Is antenna shared?	Yes	
		Is antenna directional?	Yes	
		Will antenna be located on or in close proximity to an antenna farm?	No	
	New Antenna Manufacturer and Type	Class	Full Power	
		Mounting	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		Туре	Broadband Slot	
		Number of Stations Supported	1	
		Number of Panels/Bays	24	
		Lower Limit	470.00 MHz	
		Upper Limit	698.00 MHz	
		Design power capacity in use	62.3 %	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	815.0 kW	
		Manufacturer		
		Model	TFU-24WB- 1-R C160	
		Year	2019	

Justification for New Antenna	The
	proposed
	interim
	antenna is
	broadband
	and can be
	used for
	both pre
	and post
	transition
	channels
	and is
	required to
	facilitate a
	smooth and
	on-time
	transition to
	the
	assigned
	post-
	transition
	channel.

Response

No

N/A

N/A

Interim Antenna	Other Antenna Costs		
	Section	Question	
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
		Туре	
		Number of channels supported	
		Frequencies of channels supported	
		Frequency	
		Do you need a combiner output splitter /switcher for dual feed lines?	

	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?	В
	Feed Line Size	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	No

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

#### Interim Antenna

Name	Description
Change Order 1	additional elbows to connect transmitter
Impedence Transformer	transformer to match antenna to transmission line
Sales Tax	antenna sales tax
Shipping	antenna shipping

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

# Primary Existing Transmission Line

# Transmission

ssion	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?	Yes	
	Is Transmission Line in operating condition?	Yes	
	Existing Transmission Line Manufacturer and Type	Manufacturer	Dielectric
		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	650 feet per run	

Facility ID's and Call Signs of all stations with whom the transmission line is shared.

Facility ID	Call Sign
35385	WCWG

# Other Transmission Line Expenses Not Listed Transmission

**Transmission Line Sweep** 

Description
line sweep to determine if line will work with post-transition channel

# New Transmission Line Transmission Line

ransmissio	n Section	Question	Response
New Transmission Line Costs		Use	Interim
		Description of Use	N/A
		Change Type	Purchase New
		Туре	Rigid
		Diameter	6 1/8 inches
		Segment Length	Broadband
		Other Segment Length	
		Number of parallel runs	1
		Length	500 feet per run
		Justification for New Transmission Line	Line required to support interim antenna

Interim	Other Transmission Line Expenses Not Listed		
Transmissio	n Line	Description	
	Sales Tax	transmission line sales tax	

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

mary	Existing	Tower

Primary	Existing Tower			
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?	Terrain Constrained	
		Is this tower currently shared with any other stations?	Yes	
		One or more FM, AM or TV radio broadcaster(s)	No	
		Others Types of Users	Yes	
		Is tower documented for structural analysis?	Yes	
		Is tower compliant with Rev G?	No	
	Existing Tower Structure	Do you have a tower registration number?	Yes	
	Registration	ASR Number	1008241	
	Coordinates (NAD83 ( North American Datum of	Latitude (NAD83)	36° 22' 31.0" N-	
19	1983))	Longitude (NAD83)	080° 22' 25.0" W-	
		Overall Structure Height	682.73 feet	
		Support Structure Height	579.39 feet	

Ground Elevation Above Mean Sea Level (AMSL)	2399.91 feet
Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Hearst Properties Inc.
Date Constructed	01/01/1953

# Other Types of Users

Users

NOAA Wthr Radio

Commercial 2way

# Primary Tower Section Qu

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:	Serious Reinforcements needed

# Primary Tower Rigging Costs

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

Primary Tower	Other Tower Expenses Not Listed		
	Name	Description	
	Power line relocation	Relocate power lines - needed to perform tower modifications	
	Generator rental	Generator rental and fuel needed to complete guy wire replacement	
	Transmitter Site Land Survey	Land survey required for relocating power lines	
	Tower site clearing	Remove trees and other objects to allow tower modifications and guy wire replacements	
	Tower Consulting	tower consulting and tower project management	
	Telephone line relocation	Dropping and reinstalling telephone lines on utility poles required to complete tower modifications	

Outside	Section	Question	Response	
Professional	Services Costs Outside Project Management Services	Do you require outside project management services?	No	
		Number of Hours	N/A	
		Explanation	No         N/A         N/A         Yes         N/A         Yes         Yes         Yes         No         Yes         No         Yes         Yes         Yes         No         Yes         No         Yes         No         No         No         No         No         No         No         No         No </td	
	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	No	
		For Main Facility	Yes	
		Prepare engineering section of Form FCC License to Cover Application	Yes	
		For Auxiliary Facility	No	
		For Main Facility	Yes	
		Prepare request for Special Temporary Authority	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	No	
		For Main Facility	Yes	
		Prepare and file Form FCC License to Cover Application	Yes	
		For Auxiliary Facility	No	
		For Main Facility	Yes	

	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

# Outside Other Professional Services Expenses Not Listed

Professional	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	Section	Question	Response No No N/A N/A N/A Yes No	
Expenses	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	No	
		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)?	No	
		Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	No	
		Does this relocation require Equipment Storage?	Yes	
			Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
		Does this relocation require MVPD Notification of a Channel Change?	Yes	

#### Other Expenses Not Listed

Other Expenses	Other Expenses Not Listed			
	Name	Description		
	Contract Labor	labor directly related to the station channel change		

# Transmitters

### Cost Information

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	\$1,825,223.64	\$1,323,594.85		\$1,177,943.79	
Sales Tax	\$79,251.68	\$79,251.68	transmitter sales tax per attached GatesAir quote	N/A	N/A
Change Orders 3-6	\$5,012.70	\$5,012.70	additional equipment for transmitter installation	\$5,012.70	N/A
Remote Control	\$5,000.00	\$5,000.00	see invoice	\$0.00	N/A
Electrical Accessories	\$1,942.49	\$1,942.49	manufacturer required surge protection	\$1,942.49	N/A
Change Orders 1 and 2	\$27,144.45	\$27,144.45	Required changes to transmitter configuration	\$27,144.45	N/A
Additional RF components	\$67,893.22	\$67,893.22	Additional RF components required for transmitter operation and integration into current RF environment per GatesAir quote.	\$67,893.19	N/A

Sub-total Total for all systems	\$1,825,223.64 \$4,249,673.04	\$1,323,594.85 \$3,588,278.78	N/A N/A	\$1,177,943.79 \$3,039,695.00	N/A N/A
Other Electrical Service: transmitter installation electrical service	\$91,400.00	\$91,400.00	Transmitter electrical design and installation services.	\$56,600.00	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$8,472.80	N/A	\$8,472.80	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$999,698.41	GatesAir quote sections A, B & E. This is the transmitter, mask filter, installation and proof per the FCC "transmitter" definition.	\$999,698.41	N/A
Transmitter installation incidentals	\$4,000.00	\$4,000.00	transmitter installation incidentals	\$414.30	N/A
Shipping	\$11,000.00	\$11,000.00	transmitter shipping per attached GatesAir quote	\$10,765.45	N/A
Transmitter de-install	\$22,779.10	\$22,779.10	removal of old transmitter per GatesAir quote	N/A	N/A

# Components

Actual Information Description	File Name	
Sales Tax	Information not provided.	
Change Orders 3-6	Component Description:	WXII transmitter
	Amount:	change orders Q- 78302; Q-79465; Q-79580; Q-80213 \$5,012.70
Remote Control		
	Component Description:	WXII repack transmitter remote control
	Amount:	\$4,955.17
Electrical Accessories		
	Component Description:	WXII transmitter delivery - surge
		protector
	Amount:	\$1,942.49
Change Orders 1 and 2		
	Component Description:	WXII transmitter change orders 1
	Amount:	and 2 \$27,144.45
Additional RF components		
	Component Description:	WXII transmitter
		delivery - RF accessories
	Amount:	\$67,893.19
Transmitter de-install	Information not provided.	
Shipping		
	Component Description:	WXII Transmitter shipping
	Amount:	\$10,765.45

Transmitter installation incidentals	Component Description: Amount:	WXII fork lift for transmitter delivery revision 2 \$414.30
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Component Description: Amount:	Transmitter 1st deposit \$117,919.58
	Component Description: Amount:	Transmitter 2nd deposit \$215,264.19
	Component Description: Amount:	WXII transmitter installation & proof \$59,761.65
	Component Description:	WXII main transmitter 3 prior to ship
	Amount:	\$377,840.50
	Component Description:	WXII transmitter delivery - transmitter & mask filter
	Amount:	\$228,912.49
Transformer 3 phase/480v - 300 KVA	Component Description:	WXII transmitter delivery- transformer
	Amount:	\$8,472.80

Other Electrical Service: transmitter installation electrical service	Component Description:	WXII transmitter electrical installation design
	Amount:	\$6,000.00
	Component Description:	WXII transmitter electrical installation
	Amount:	\$38,300.00
	Component Description:	WXII transmitter electrical installation 2
	Amount:	\$12,300.00

### Antennas

# Cost Information

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

Description Interim Antenna TFU-24WB- 1-R C160	Predetermined Cost Estimate \$214,116.85	Estimated Cost \$200,086.85	Estimated Cost Justification	Actual Cost \$182,900.85	Actual Cost Justification
Shipping	\$8,729.85	\$8,729.85	antenna shipping per attached Dielectric quote and shipping for custom cut T /L pieces	\$3,119.85	N/A
Sales Tax	\$11,576.00	\$11,576.00	estimated antenna sales tax based on North Carolina state and local sales tax rate of 6.75%	N/A	N/A
Impedence Transformer	\$0.00	\$0.00	required to match antenna to transmission line	\$0.00	N/A
Change Order 1	\$3,360.00	\$3,360.00	additional elbows needed for antenna installation	\$3,360.00	N/A

Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$0.00	see interim antenna quote	\$0.00	N/A
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 815 kW input, directional,, horizontally polarized	\$170,021.00	\$170,021.00	antenna & elbow complex per attached Dielectric quote	\$170,021.00	Progress payments include accessories not itemized See invoice explanations in Attachments
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
Primary Antenna TFU-30- DSC-R04	\$264,253.00	\$260,520.00		\$235,490.80	
Additional RF components	\$5,197.00	\$5,197.00	additional antenna/RF components	\$5,197.00	N/A
Shipping	\$10,317.00	\$10,317.00	antenna shipping	\$4,677.30	N/A
UHF - High Power, Side Mount, basic slot antenna, 640 kW input,	\$192,073.00	\$192,073.00	See Order Confirmation 501001	\$187,169.50	N/A

Elbow complex, single channel, at antenna input, per 6 1/8.\$10,297.00N/A\$10,297.00N/ASide mount feedline (if needed)\$23,150.00\$21,750.00N/A\$21,750.00N/ASide mount power antennas (if not included in antenna base cost)\$21,4486.00\$14,486.00estimated antenna sales tax based on North Carolina state and local sales tax rate of 6.75%\$0.00N/ASweep test of existing antenna\$6,730.00\$6,400.00\$418,391.65N/ASub-total\$478,369.85\$460,606.85N/A\$418,391.65N/ATotal for all systems\$4,249,673.04\$3,586,278.78N/A\$3,039,695.00N/A		<b>.</b>	<b>.</b>		• · · · · · · ·	
brackets for high power antennas (if not included in antenna base cost)\$14,486.00estimated antenna sales tax based on North Carolina state and local sales tax rate of 6.75%\$0.00N/ASweep test of existing antenna\$6,730.00\$6,400.00N/A\$6,400.00N/ASub-total\$478,369.85\$460,606.85N/A\$418,391.65N/ATotal for\$4,249,673.04\$3,588,278.78N/A\$3,039,695.00N/A	complex, single channel, at antenna input, per 6 1/8. feedline (if	\$12,300.00	\$10,297.00	N/A	\$10,297.00	N/A
antenna sales tax based on North Carolina state and local sales tax rate of 6.75%N/ASet and state and local sales tax rate of 6.75%Sweep test of existing antenna\$6,730.00\$6,400.00N/A\$6,400.00N/ASub-total\$478,369.85\$460,606.85N/A\$418,391.65N/ATotal for\$4,249,673.04\$3,588,278.78N/A\$3,039,695.00N/A	brackets for high power antennas (if not included in antenna	\$23,150.00	\$21,750.00	N/A	\$21,750.00	N/A
of existing antenna         Sub-total       \$478,369.85       \$460,606.85       N/A       \$418,391.65       N/A         Total for       \$4,249,673.04       \$3,588,278.78       N/A       \$3,039,695.00       N/A	Sales Tax	\$14,486.00	\$14,486.00	antenna sales tax based on North Carolina state and local sales tax rate of	\$0.00	N/A
Total for         \$4,249,673.04         \$3,588,278.78         N/A         \$3,039,695.00         N/A	of existing	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
	Sub-total	\$478,369.85	\$460,606.85	N/A	\$418,391.65	N/A
		\$4,249,673.04	\$3,588,278.78	N/A	\$3,039,695.00	N/A

# Components

Actual Information	
Description	File Name

Shipping		
	Component Description:	WXII shipping for custom length transmission line
	Amount:	sections \$3,119.85
Sales Tax	Information not provided.	
Impedence Transformer	Information not provided.	
Change Order 1		
	Component Description:	WXII interim antenna CO1 additional elbows
	Amount:	\$3,360.00
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.	
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 815 kW input, directional,, horizontally polarized	Component Description:	WXII Dielectric Interim Antenna payment 3 according to terms, invoice type prepayment2 45%; 82,241.32 \$82,241.32
	Component Description:	WXII Dielectric Interim Antenna payment 1&2 equals 45% see invoice terms 82,241.32 \$82,241.32
	Component Description:	WXII interim antenna payment
	Amount:	\$5,538.36

antenna	Component Description:	WXII interim antenna and line sweep	
	Amount:	\$6,400.00	
Additional RF components			
	Component Description:	WXII main	
		antenna parts rev	
	Amount:	\$5,197.00	
Shipping			
	Component Description:	WXII antenna cut	
		TL shipping rev	
	Amount:	\$4,677.30	
UHF - High Power, Side			
Mount, basic slot antenna,	<b>Component Description:</b>	WXII main	
640 kW input, horizontally polarized		antenna payment	
polarized		prior to ship	
	Amount:	\$83,643.25	
	Component Description:	WXII antenna	
		credit memo	
	Amount:	(\$4,903.50)	
	Component Description:	WXII Dielectric Main antenna	
		Payment 10%	
		down and 35%	
		with order equals	
		45% \$108,429.75	
	Amount:	\$108,429.75	
Elbow complex, single			
channel, at antenna input,	Component Description:	WXII main	
per 6 1/8. feedline (if		antenna elbow	
needed)		complex	
	Amount:	\$10,297.00	

high power antennas (if not included in antenna base cost)	Component Description:	WXII main antenna side mount brackets
	Amount:	\$21,750.00
Sales Tax	Information not provided.	
Sweep test of existing antenna		
antenna	<b>Component Description:</b>	WXII main
		antenna sweep
	Amount:	\$6,400.00

## **Transmission Line**

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$121,147.00	\$98,654.43		\$93,507.43	
Rigid Transmission Line - copper, 6 1 /8" broadband	\$116,000.00	\$93,507.43	see invoices	\$93,507.43	а
Sales Tax	\$5,147.00	\$5,147.00	estimated antenna sales tax based on North Carolina state and local sales tax rate of 6.75%	N/A	N/A
Primary Transmission Line	\$3,677.90	\$3,677.90		\$3,677.90	
Transmission Line Sweep	\$3,677.90	\$3,677.90	Transmission line sweep to determine if transmission line will work with post- transition channel.	\$3,677.90	N/A
Sub-total	\$124,824.90	\$102,332.33	N/A	\$97,185.33	N/A
Total for all systems	\$4,249,673.04	\$3,588,278.78	N/A	\$3,039,695.00	N/A

Components

Actual Information Description	File Name	
Rigid Transmission Line - copper, 6 1/8" broadband	Component Description:	WXII interim transmission line components and
	Amount:	shipping \$9,623.27
	Component Description:	WXII transmission line payment
	Amount:	\$4,559.26
	Component Description:	WXII Dielectric Interim transmission line payments 10% down and 35% with order equals 45% 38,606.72
	Amount:	\$38,606.72
	Component Description:	WXII Dielectric Interim Transmission line payment 45% prior to delivery 38,606.72
	Amount:	\$38,606.72
	Component Description:	WXII interim transmission line components
	Amount:	\$528.96
	Component Description:	WXII interim transmission line custom length sections
	Amount:	\$1,582.50

Sales Tax Transmission Line Sweep	Information not provided.	
	Component Description:	WXII transmission line sweep
	Amount:	\$3,677.90

# **Tower Equipment and Rigging Costs**

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$1,665,831.99	\$1,551,877.09		\$1,282,990.92	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$350,000.00	N/A	\$98,496.00	N/A
Serious tower reinforcement /modifications	\$1,052,000.00	\$1,009,645.10	TCI Tower Modification costs	\$1,000,944.10	N/A
Generator rental	\$13,767.04	\$13,767.04	Total of generator rental and fuel used.	\$13,767.04	N/A
Telephone line relocation	\$1,770.00	\$1,770.00	required for tower modifications	\$1,770.00	N/A
Transmitter Site Land Survey	\$18,500.00	\$18,500.00	Land Survey required for power line relocation	\$15,058.00	N/A
Tower site clearing	\$38,500.00	\$38,500.00	Remove items blocking power line relocation and tower modifications.	\$38,475.00	N/A

Tower Consulting	\$6,250.00	\$6,250.00	tower consulting estimate per attached quote	\$6,235.83	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	\$6,800.00	N/A
Power line relocation	\$101,444.95	\$101,444.95	Power line relocation required for tower modifications (guy wire replacement)	\$101,444.95	N/A
Sub-total	\$1,665,831.99	\$1,551,877.09	N/A	\$1,282,990.92	N/A
Total for all systems	\$4,249,673.04	\$3,588,278.78	N/A	\$3,039,695.00	N/A

# Components

Actual Information	
Description	File Name

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Component Description: Amount:	WXII main antenna install mobilization \$17,872.00
	Component Description:	WXII main antenna install completion and
	Amount:	change order 3 rev \$33,364.00
	Component Description:	WXII tower structural re-run CO1
	Amount:	\$2,580.00
	Component Description: Amount:	WXII tower work phase 2 DP \$44,680.00
Serious tower reinforcement		
/modifications	Component Description:	WXII tower modification CO2 \$59,386.60
	Component Description:	Invoice for 50% of tower mod quote less MOU deposit. See attached quote "TCI-17- 050F - Hearst WXII 576ft Winston Salem NC - Mod Maint. LC2 10.31.17.pdf". Also see "WXII TCI down payment explanation.pdf". \$352,995.00
		4002,000.00

Component Description: Amount:	WXII tower credit memo (\$8,701.00)
Component Description: Amount:	WXII more tower mods (CO2) and permit extension \$4,431.00
Component Description: Amount:	WXII tower modifications 3 \$181,678.00
Component Description:	WXII TCI tower mod MOU invoice. See attached MOU "TCI MOU 8- 28-17 TCI.PDF" for support. Also see "WXII TCI down payment explanation.pdf". \$101,200.00
Component Description:	WXII portion of TCI tower modifications deposit. This and TCI invoice 8263 comprise the 50% down payment per quote payment terms. \$101,200.00
Component Description: Amount:	WXII tower modifications completion \$268,788.00

	Component Description: Amount:	WXII tower modification weather days \$39,347.50
	Component Description: Amount:	WXII tower modification permit - CO3 \$6,250.00
Generator rental	Component Description: Amount:	WXII generator rental \$9,617.46
	Component Description: Amount:	WXII rental generator fuel 1 \$2,724.23
	Component Description: Amount:	WXII rental generator fuel 2 \$1,425.35
Telephone line relocation	Component Description: Amount:	WXII telephone line removal and reinstall revised \$1,770.00
Transmitter Site Land Survey	Component Description:	WXII Invoice with cover letter for land survey required for power line relocation. Supporting quote provided.
	Amount:	\$15,058.00

Tower site clearing		
	Component Description:	WXII land clearing
		2 rev
	Amount:	\$1,725.00
	Component Description:	removal of tower blocking power
	Amount:	line relocation. supporting quote provided. \$12,000.00
	Amount.	\$12,000.00
	Component Description:	WXII land clearing
	_	1 rev
	Amount:	\$24,750.00

	Component Description:	WXII Geotechnical study access road invoice \$1,400.00
	Amount:	Geotechnical study invoice. Supporting quote provided. \$5,400.00
Structural engineering tower load study for well documented tower	Component Description:	WXII Tower
	Component Description: Amount:	WXII tower consulting 2 \$4,538.00
	Amount:	\$847.83
	Component Description:	WXII Tower consultant travel invoice for on-site visit. NOTE: One half of airfare and full lodging.
	Component Description: Amount:	WXII tower consulting 4 \$100.00
	Amount:	\$450.00
	Component Description:	WXII tower consulting 3 revised
	Amount:	consulting 5 rev \$300.00
Tower Consulting	Component Description:	WXII tower

Power line relocation		
	<b>Component Description:</b>	invoice for power
		line relocation.
		Supporting quote
		provided.
	Amount:	\$101,444.95

## **Outside Professional Services**

#### Cost Information

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

	Predetermined	Estimated	Estimated Cost		Actual Co
Description	Cost Estimate	Cost	Justification	Actual Cost	Justificat
Outside Professional Services	\$102,300.00	\$98,350.00		\$46,519.45	
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	\$1,300.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$250.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$1,797.86	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$1,862.50	N/A

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,600.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$1,864.13	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	N/A	\$1,726.40	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	N/A	N/A
RF Exposure	\$21,050.00	\$20,000.00	N/A	N/A	N//

Transmitter Site Survey	\$20,600.00	\$20,600.00	Transmitter planning survey & transmitter building drawings per attached quote	\$20,600.00	N/A
Non-Catalog legal expenses	\$20,000.00	\$20,000.00	Non-Catalog expenses for legal advice and services, including financial /reimbursement review, transition reporting, transition procedures, and other transition- related issues	\$15,518.56	N/A
Sub-total	\$102,300.00	\$98,350.00	N/A	\$46,519.45	N/A
Total for all systems	\$4,249,673.04	\$3,588,278.78	N/A	\$3,039,695.00	N/A

## Components

Actual Information	
Description	File Name

Prepare request for Special Temporary Authorization	Component Description: Amount:	WXII RF consulting interim antenna for STA \$450.00
	Component Description:	WXII RF consulting interim antenna for STA
	Amount:	\$100.00
	Component Description:	WXII RF Consulting interim antenna STA
	Amount:	\$750.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	WXII RF consulting for License to Cover \$250.00
Prepare and or review reimbursement form	Component Description:	WXII Prepare and /or review reimbursement Form 399
	Amount:	\$1,497.80
	Component Description:	WXII Prepare and /or review reimbursement Form 399 2
	Amount:	\$300.06
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	

Perform engineering study for new channel assignment and antenna development	Component Description:	WXII interim antenna
	Amount:	development \$150.00
	Component Description:	WXII RF Consulting engineering study
	Amount:	invoice 2 \$650.00
	Component Description:	WXII RF Consulting engineering study invoice 1
	Amount:	\$1,062.50
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	WXII RF Consulting prepare CP engineering
	Amount:	\$1,600.00
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	WXII Prepare and File FCC Form 2100, Construction
	Amount:	Permit Application 2 \$1,054.53
	Component Description:	WXII Prepare and File FCC Form 2100, Construction
	Amount:	Permit Application \$809.60
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	

and File request for Special Temporary Authorization	Component Description:	WXII Prepare an File request for Special Tempora Authorization
	Amount:	\$1,726.40
ASR modification (prepare FCC Form 854)	Information not provided.	
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.	
RF Exposure Measurements	Information not provided.	
Transmitter Site Survey		
	Component Description:	WXII Field Serivo Gates Air, 7/25 /2016 \$20,600
	Amount:	\$20,600.00
Non-Catalog legal expenses		
	Component Description:	WXII non-catalog legal 1
	Amount:	\$11,828.54
	Component Description:	WXII non-catalog
		legal 2
	Amount:	\$3,690.02

## **Other Expenses**

## Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$53,122.66	\$51,517.66		\$16,663.86	
DTV Medical Facility Notification	\$11,550.00	\$10,000.00	N/A	\$3,731.20	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Equipment Storage	\$30,500.00	\$30,500.00	antenna storage estimate. See attached Dielectric document.	\$6,000.00	N/A
Develop and air announcement of upcoming channel change	\$2,500.00	\$2,500.00	need BP quote	N/A	N/A

MVPD Notification of Channel Change	\$2,723.20	\$2,723.20	per invoice	\$2,723.20	N/A
Contract Labor	\$4,209.46	\$4,209.46	accounting labor directly related to the Spectrum Repack project	\$4,209.46	N/A
Sub-total	\$53,122.66	\$51,517.66	N/A	\$16,663.86	N/A
Total for all systems	\$4,249,673.04	\$3,588,278.78	N/A	\$3,039,695.00	N/A

## Components

Actual Information Description	File Name	
DTV Medical Facility Notification	Component Description: Amount:	WXII medical notification \$3,731.20
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
Equipment Storage		
	Component Description: Amount:	WXII main antenna storage \$6,000.00
Develop and air announcement of upcoming channel change	Information not provided.	

MVPD Notification of Channel Change	Component Description:	WXII MVPD
	Amount:	notification \$2,723.20
		ψ2,720.20
Contract Labor		
	Component Description:	WXII accounting
		labor
	Amount:	\$4,209.46

Cost	Grand Total					
Information		Predetermined Cost Estimate	Estimated Cost	Actual Cost		
	Total for all systems	\$4,249,673.04	\$3,588,278.78	\$3,039,695.00		

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	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.	
		<ol> <li>The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>The above-named</li> </ol>	
		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).
- 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.	
an au name	are, under penalty of perjury, that I am thorized representative of the above- d applicant for the Authorization(s) ied above.	John Drain Hearst Television SVP Chief Financial Officer 10/15/2019

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

- 4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
- 5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster **Relocation Fund are** necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 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 above- named applicant for the Authorization(s) specified above.	Douglas Durkee Hearst Television Manager of Spectrum Repack
	10/15/2019

#### Attachments