

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: File Number:		Service: DTV	Call Sign:	WLWT	Channel: 20 (UHF)
FRN: 00	01587609	Date Submitted:	02/05 /2020		

Applicant Name, Type, and Contact Information

nformation	Applicant	Address	Phone	Email	Applicant Type
	Ohio/Oklahoma Hearst Television Inc.	PO 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	Preparer Contact Name and Information						
Contact Information	Applicant	Address	Phone	Email			
	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.	Yes
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?	No			
		Is this transmitter currently in operating condition?	Yes			
	Existing Transmitter	Manufacturer				
	Manufacturer and Type	Model	Sigma CD3300 P3			
		Year	2002			
		Туре	Inductive Output Tube			
		IOT Power Type	Two			
		Power Capacity	50 kW			

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-72			
		Transmitter Type	Solid State			
		Solid State Cooling	Liquid Cooled			
		Solid State Power capacity	47.2 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.			

rimary	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. See attached Bertke Electric quote.		
	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
RF Accessories	additional RF components required for transmitter operation
Shipping	transmitter shipping
Heat Exchanger Filters	Filters to prevent debris embedding in cooling fins
Transmitter installation incidentals	equipment and supplies needed for transmitter installation
Electrical Accessories	Manufacturer required surge protection
Sales Tax	transmitter sales tax
Transmitter Room Modification	remove equipment, walls etc. to make room for new transmitter
RF System Modifications	changes to RF system required for installation of repack transmitter
Transmitter de-install	removal of old transmitter

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?	No	
		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	Class	Full Power	
	Manufacturer and Type	Mounting	Top Mount	
		Antenna position in stack	Bottom	
		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- 30GBH-R 06
Year	2002

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?	No
		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	Top Mount
		Antenna position in stack	Bottom
		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)	722.0 kW
		Manufacturer	

Model	TFU- 26GBH-R 06
Year	2018
Justification for New Antenna	Current antenna is channel specific and cannot be used on post- transition channel. Antenna must be replaced.

Primary Other Antenna Costs

Antenna	Section	Question	Response
Antenna	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?	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

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
Sales Tax	antenna sales tax
Shipping	antenna shipping
Antenna accessories	custom length transmission line & test transition

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?	No	
		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	16	
		Lower Limit	470.00 MHz	
		Upper Limit	608.00 MHz	
		Design power capacity in use	60.0 %	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	500.0 kW	
		Manufacturer		
		Model	TFU-16WB	
		Year	2018	

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.

Interim Other Antenna Costs

Antenna

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an 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

Interim	Other Antenna Cost Not Listed		
Antenna	Name	Description	
	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

Existing Transmission Line Primary Existing 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?	No
		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	950 feet per run

Other Transmission Line Expenses Not Listed Transmission Line Description

'Name	Description	
Line sweep	test transmission line for use on post- transition channel	
Refurbish Line	refurbish 6-1/8" transmission lines to be utilized by new top mount antenna	
Elbows	replace tuned elbows for new channel	

Interim New Transmission Line

Transmissio	n Section	Question	Response
	New Transmission Line	Use	Interim
	Costs	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	600 feet per run
		Justification for New Transmission Line	new transmission line required to support interim antenna

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

Additional TL Components	additional elbows, hangers etc. to complete
	transmission line run

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)	Yes			
		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	1038226			
	Coordinates (NAD83 (North American Datum of	Latitude (NAD83)	39° 07' 27.0" N-			
	1983))	Longitude (NAD83)	084° 31' 18.0" W-			
		Overall Structure Height	950.12 feet			
		Support Structure Height	895.99 feet			

Ground Elevation Above Mean Sea Level (AMSL)	837.92 feet
Structure Type	LTOWER - Lattice Tower
Tower Owner	Ohio /Oklahoma Hearst Television Inc.
Date Constructed	01/01/1997

FM, AM or TV radio broadcasters. Facility ID's, **Call Signs and Services of** other broadcast stations with whom the tower is shared

Facility ID	Call Sign	Service
65666	WCET	DTV

Other Types of Users

Users

Amateur Radio

Tower Modification Costs Primary

-	-					2
Т	C)\	N	e	r	

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

Primary Tower Angel State Not Listed

Name	Description
Land clearing	remove trees and brush. Required for towe modifications.
Tower Consulting	tower consulting and tower project management
Power line relocation	relocation of electrical lines to allow crew access

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	N/A
	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	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	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 Other Professional Services Expenses Not Listed

Professional	Services Costs	Description
	Security	Security service during tower modifications & antenna installation
	Transmitter Site Survey	Transmitter planning survey & transmitter building drawings (aka Field Service, TV)
	Transmitter Site Survey Sales Tax	Transmitter planning survey & transmitter building drawings (aka Field Service, TV)

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.
Consulting-Project Management	Project Management and/or Consulting

Other	Section	Question	Response
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)?	Yes
		Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
		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-72	\$1,887,129.95	\$1,586,864.76		\$1,554,276.24	
Heat Exchanger Filters	\$1,000.00	\$1,000.00	per quote	\$1,000.00	N/A
Other Electrical Service: transmitter installation electrical service. See attached Bertke Electric quote.	\$99,688.00	\$99,688.00	transmitter installation electrical service. See attached Bertke Electrical quote.	\$96,221.00	N/A
Transmitter Room Modification	\$35,087.24	\$35,087.24	building mods required for new transmitter	\$35,087.24	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,192,667.01	GatesAir quote sections A, B & E. plus change orders	\$1,192,667.01	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$16,867.80	N/A	\$16,867.80	N/A

RF Accessories	\$65,289.39	\$65,289.39	Additional RF components required for transmitter operation and integration into current RF environment.	\$65,289.39	N/A
Shipping	\$17,483.11	\$17,483.11	shipping per attached GatesAir invoice	\$17,483.11	N/A
Electrical Accessories	\$3,884.98	\$3,884.98	Manufacturer required surge protection	\$3,884.98	N/A
Sales Tax	\$90,733.45	\$90,733.45	estimated transmitter sales tax	\$90,733.45	N/A
RF System Modifications	\$31,112.93	\$31,112.93	RF system modifications required to allow repack transmitter installation	\$31,112.93	N/A
Transmitter de-install	\$25,550.85	\$25,550.85	removal of old transmitter to make room for replacement	\$0.00	N/A
Transmitter installation incidentals	\$7,500.00	\$7,500.00	parts, supplies and equipment needed for transmitter installation	\$3,929.33	N/A
Sub-total	\$1,887,129.95	\$1,586,864.76	N/A	\$1,554,276.24	N/A
Total for all systems	\$4,543,332.33	\$3,789,730.12	N/A	\$3,445,547.30	N/A

Components

Actual Information Description	File Name	
Heat Exchanger Filters	Component Description: Amount:	WLWT heat exchanger filters \$1,000.00
Other Electrical Service: transmitter installation electrical service. See attached Bertke Electric quote.	Component Description: Amount:	WLWT transmitter electrical installation 2 \$48,110.50
	Component Description: Amount:	WLWT transmitter electrical installation 1 \$48,110.50

Transmitter Room Modification	Component Description: Amount:	WLWT transmitter building mods 2 \$1,944.00
	Component Description: Amount:	WLWT transmitter building mods 3 rev \$7,620.11
	Component Description: Amount:	WLWT fencing for transmitter heat exchangers \$9,420.00
	Component Description: Amount:	WLWT AC equipment removal \$5,940.00
	Component Description: Amount:	WLWT transmitter building mods \$10,163.13

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Component Description: Amount:	WLWT transmitter installation \$95,565.15
	Component Description: Amount:	WLWT transmitter delivery payment \$260,556.40
	Component Description:	WLWT GatesAir transmitter 1/3 prior to ship
	Amount: Component Description: Amount:	\$433,669.74 Transmitter 2nd deposit \$264,187.87
	Component Description: Amount:	Transmitter 1st deposit \$138,687.85
Transformer 3 phase/480v · 300 KVA	Component Description: Amount:	WLWT transmitter electrical transformers \$16,867.80
RF Accessories	Component Description: Amount:	WLWT transmitter RF accessories \$65,289.39
Shipping	Component Description: Amount:	WLWT transmitter shipping \$17,483.11

Electrical Accessories	Component Description: Amount:	WLWT transmitter electrical accessories \$3,884.98
Sales Tax	Component Description: Amount:	WLWT transmitter sales tax \$82,820.08
	Component Description: Amount:	WLWT transmitter sales tax 2 \$7,913.37
RF System Modifications	Component Description: Amount:	WLWT RF reconfiguration parts shipping 1 \$760.39
	Component Description: Amount:	WLWT RF reconfiguration parts 1 \$13,044.11
	Component Description: Amount:	WLWT waveguide switch rev \$16,674.68
	Component Description: Amount:	WLWT waveguide switch bracket shipping rev \$470.65
	Component Description: Amount:	WLWT RF switch cable \$163.10

Transmitter de-install	Information not provided.	
Transmitter installation incidentals	Component Description:	WLWT transmitter
		installation
		incidentals 1
	Amount:	\$421.62
	Component Description:	WLWT transmitter
		installation
		incidentals 2
	Amount:	\$2,832.26
	Component Description:	WLWT transmitter
		installation
		incidentals 3
	Amount:	\$675.45

Antennas

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 Antenna TFU-16WB	\$169,913.60	\$150,933.60		\$139,398.68	
Shipping	\$7,360.00	\$7,360.00	shipping per attached Dielectric quote	\$4,732.08	N/A
Sales Tax	\$7,605.00	\$7,605.00	estimated antenna sales tax based on Ohio state and local sales tax rate of 7%	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
UHF - High Power, Side Mount, basic slot antenna, 16 bay,, 500 kW input, directional,, horizontally polarized	\$125,068.60	\$125,068.60	quote 108640 SMB 10312 CO 6116.60 125068.60	\$123,766.60	Progress payments - not itemized

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$4,500.00	N/A	\$4,500.00	N/A
Primary Antenna TFU- 26GBH-R 06	\$308,781.79	\$432,775.79		\$405,615.79	
Antenna accessories	\$5,978.79	\$5,978.79	RF components need for antenna installation per Dielectric invoices	\$5,978.79	N/A
Shipping	\$9,613.00	\$9,613.00	shipping per attached Dielectric quote	\$9,613.00	N/A
Sales Tax	\$27,160.00	\$27,160.00	estimated antenna sales tax based on Ohio state and local sales tax rate of 7%	N/A	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,984.00	N/A	\$10,984.00	N/A

UHF - High Power Top Mount (200- 1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$372,640.00	bottom of antenna stack price per attached Dielectric quote	\$372,640.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
Sub-total	\$478,695.39	\$583,709.39	N/A	\$545,014.47	N/A
Total for all systems	\$4,543,332.33	\$3,789,730.12	N/A	\$3,445,547.30	N/A

Components

Actual Information Description	File Name	
Shipping		
	Component Description:	WLWT interim
		antenna custom
		line section
		shipping rev
	Amount:	\$1,052.08
	Component Description:	WLWT interim
		antenna custom TL
		shipping rev2
	Amount:	\$820.73
	Component Description:	WLWT interim
		antenna shipping
		to site
	Amount:	\$3,680.00
Sales Tax	Information not provided.	

Sweep test of existing antenna	Component Description:	WLWT interim antenna sweep
	Amount:	rev2 \$6,400.00
UHF - High Power, Side Mount, basic slot antenna,		
16 bay,, 500 kW input,	Component Description:	WLWT Dielectric interim antenna
directional,, horizontally		
polarized		payment 2 - 45% prior to ship.
		Supporting
		documentation
		included.
	Amount:	\$62,472.87
	Component Description:	WLWT interim
		antenna payment 3
	Amount:	\$1,573.33
	Component Description:	Dielectric WLWT
		Interim Antenna
		45% progress
		payment (10%
		down and 35%
		with order equals).
		Supporting
		documentation included.
	Amount:	\$59,720.40
	Anount.	ψJJ,1 ZU.4U
Side mount brackets for high power antennas (if not		
included in antenna base	Component Description:	WLWT side mount
cost)		bracket redesign
	Amount:	\$4,500.00

Antenna accessories		
	Component Description:	WLWT test
	Component Description.	transition
	Amount:	\$2,420.00
	Component Description:	WLWT custom TL
		shipping 2 rev2
	Amount:	\$425.40
	Component Description:	WLWT custom TL
		shipping rev2
	Amount:	\$403.39
	Component Description:	WLWT custom
		length transmission
	Amount:	line 2 rev \$910.00
	Amount.	φ 910.00
	Component Description:	WLWT custom
		length transmission
		line rev
	Amount:	\$1,820.00
Shipping		
	Component Description:	WLWT main
		antenna shipping
		rev2
	Amount:	\$9,613.00
Sales Tax	Information not provided.	
Elbow complex, single		
channel, at antenna input,	Component Description:	WLWT main
per 6 1/8. feedline (if needed)		antenna elbow
noodouj		complex
	Amount:	\$10,984.00

UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	• Component Description:	WLWT main antenna payment 45% prior to ship
	Amount:	\$181,809.45
	Component Description:	WLWT main antenna payment 3 rev
	Amount:	\$9,021.10
	Component Description:	Dielectric WLWT
		Main Antenna and Elbow complex;
		9.13.2017;
		\$181,809.45;
		progress payments 10% & 35%
	Amount:	\$181,809.45
Sweep test of existing		
antenna	Component Description:	WLWT main
		antenna sweep
	Amount:	\$6,400.00

Transmission Line

Cost Information

Description	Predetermined Cost Estimate \$230,663.15	Estimated Cost \$230,025.81	Estimated Cost Justification	Actual Cost \$220,377.81	Actual Cost Justification
Transmission Line	\$ 230,003.13	φ 2 30,023.01		φ 220, 377.01	
Additional TL Components	\$81,815.15	\$81,815.15	additional transmission line components needed to complete installation	\$81,815.15	N/A
Sales Tax	\$9,648.00	\$9,648.00	estimated transmission line sales tax based on Ohio state and local sales tax rate of 75	\$0.00	N/A
Rigid Transmission Line - copper, 6 1 /8" broadband	\$139,200.00	\$138,562.66	transmission line price per attached Dielectric quote	\$138,562.66	N/A
Primary Transmission Line	\$103,329.84	\$103,329.84		\$43,638.52	
Elbows	\$15,100.00	\$15,100.00	see Dielectric invoice	\$855.18	N/A

Refurbish Line	\$85,471.50	\$85,471.50	Main transmission line refurbish per TCI-17- 022H - WLWT Hearst - Cincinnati OH - Mod Maint 1.5.18. pdf - Labor Parts: Dielectric SR 911- 0003 refurb1.pdf Parts: Dielectric SR 911- 0004 refurb2.pdf	\$40,025.00	N/A
Line sweep	\$2,758.34	\$2,758.34	see associated invoice	\$2,758.34	N/A
Sub-total	\$333,992.99	\$333,355.65	N/A	\$264,016.33	N/A
Total for all systems	\$4,543,332.33	\$3,789,730.12	N/A	\$3,445,547.30	N/A

Actual Information Description	File Name	
Additional TL Components	Component Description:	WLWT additional
		interim transmission line parts
	Amount:	\$34,264.09

Component Description: Amount:	WLWT additional interim transmission line parts shipping \$997.85
Component Description: Amount:	WLWT interim transmission line hangers \$684.60
Component Description: Amount:	WLWT additional interim transmission line parts shipping 2 \$550.75
Component Description: Amount:	WLWT additional interim transmission line parts 3 \$1,447.50
Component Description:	WLWT additional interim transmission line parts 2
Amount:	\$27,469.50
Component Description:	WLWT interim transmission line custom elbows
Amount:	\$16,030.00
Component Description:	WLWT additional interim transmission line
Amount:	parts shipping 3 \$370.86

Sales Tax	Information not provided.	
Rigid Transmission Line - copper, 6 1/8" broadband	Component Description:	WLWT interim
		transmission line payment 3
	Amount:	\$13,788.30
	Component Description:	WLWT Dielectric
		interim
		transmission line
		payment 2 - 45%
	Amount	prior to ship
	Amount:	\$62,047.35
	Component Description:	WLWT
		transmission line
		cut pieces shipping
	Amount:	\$679.66
	Component Description:	Dielectric WLWT
		Interim
		Transmission line
		payments 10%
		down & 35% with
		order equals 45%
		of invoice line item
	Amount:	2 \$62.047.25
	Amount:	\$62,047.35
Elbows	Component Descriptions	
	Component Description:	WLWT main transmission line
		elbows shipping

Refurbish Line		
	Component Description:	WLWT main
		transmission line
	Amount:	refurb parts 2
	Amount:	\$19,582.50
	Component Description:	WLWT shipping
		main transmission
		line refurb parts 2
	Amount:	\$2,095.00
	Component Description:	WLWT main
		transmission line
		refurbish parts
	Amount:	\$14,161.00
	Component Description:	WLWT main
		transmission line
		refurbish 1
	Amount:	\$25,864.00
Line sweep		
	Component Description:	WLWT main
		transmission line
		sweep
	Amount:	\$2,758.34

Tower Equipment and Rigging Costs

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower LTOWER	\$1,505,728.54	\$962,913.86		\$962,166.29	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$272,612.00	N/A	\$272,612.00	N/A
Serious tower reinforcement /modifications	\$1,052,000.00	\$660,353.32	N/A	\$660,353.32	-
Land clearing	\$11,170.00	\$11,170.00	Clearing trees/brush and moving fences required for tower modifications	\$11,170.00	N/A
Tower Consulting	\$6,500.00	\$6,500.00	tower consulting	\$5,752.43	N/A
Power line relocation	\$2,458.54	\$2,458.54	see Duke Energy invoice	\$2,458.54	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$9,820.00	Quote TCI- 16-104 - WLWT - Cincinnati OH - Analysis.pdf	\$9,820.00	N/A
Sub-total	\$1,505,728.54	\$962,913.86	N/A	\$962,166.29	N/A

Total for all	\$4,543,332.33	\$3,789,730.12	N/A	\$3,445,547.30	N/A
systems					

Actual Information Description	File Name	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Component Description:	WLWT Antenna Services - interim antenna and line installation 50% down payment.
	Amount:	\$42,000.00
	Component Description:	WLWT antenna services phase 2 mobilization
	Amount:	\$29,644.00
	Component Description:	WLWT antenna services phase 2 completion
	Amount:	\$45,069.00
	Component Description:	WLWT phase 1 antenna services completion
	Amount:	\$7,560.00
	Component Description: Amount:	WLWT antenna services phase 2 change order rev \$43,178.00
		WLWT interim
	Component Description: Amount:	antenna 20% progress payment \$30,046.00
		· ·

Component Description:	WLWT Tower
	Repack Antenna
	Services -main
	antenna
	installation 50%
	down payment per
	quote
Amount:	\$75,115.00

Serious tower reinforcement /modifications	Component Description:	WLWT partial completion payment less non- reimbursable items
	Amount:	\$131,428.50
	Component Description:	Deposit for tower modifications per TCI MOU 8-28-17
	Amount:	TCI.PDF \$44,800.00
	Component Description:	WLWT tower mods completion
	Amount.	\$48,766.50
	Component Description:	WLWT tower mods 20% mobilization less non-reimbursable items
	Amount:	\$125,170.00
	Component Description:	WLWT tower modifications 50% initial payment less MOU deposit
	Amount:	\$226,125.00
	Component Description:	WLWT tower mod change order 1 revision 3
	Amount:	\$84,063.32

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JOILTOITIOVAL
LWT tree and ush removal
,250.00
LWT fence work
ush removal 2 ,000.00

Structural engineering tower load study for well documented tower	Component Description:	WLWT tower feasibility structural analysis
	Amount:	\$9,820.00

Outside Professional Services

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Constitution
Outside Professional Services	\$256,709.00	\$248,559.00		\$60,545.71	
Consulting- Project Management	\$25,000.00	\$25,000.00	N/A	\$22,000.00	N/A
Non-catalog Legal Expenses	\$25,000.00	\$25,000.00	Non-Catalog expenses for legal advice and services, including financial /reimbursement review, transition reporting, transition procedures, and other transition- related issues.	\$7,990.42	N/A
Transmitter Site Survey Sales Tax	\$1,442.00	\$1,442.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***Ohio sales tax for Transmitter Site Survey (aka Field Service, TV)	\$0.00	N/A

Transmitter Site Survey	\$22,042.00	\$22,042.00	Transmitter planning survey & transmitter building drawings attached quote does not include \$1,442.00 sales tax added to invoice.	\$20,600.00	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	N/A	\$1,888.80	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Security	\$37,325.00	\$37,325.00	based on attached transmitter security proposal for 90 days.	N/A	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	N/A	N/A

Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$1,382.46	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$2,062.50	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,525.00	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
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$1,846.53	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
Sub-total	\$256,709.00	\$248,559.00	N/A	\$60,545.71	N/A
Total for all systems	\$4,543,332.33	\$3,789,730.12	N/A	\$3,445,547.30	N/A

Actual Information Description	File Name	
Consulting-Project		
Management	Component Description:	WLWT Stitt
		consulting 1
	Amount:	\$5,000.00
	Component Description:	WLWT Stitt
		consulting 2
	Amount:	\$2,000.00
	Component Description:	WLWT Stitt
		consulting 3
	Amount:	\$3,000.00
	Component Description:	WLWT Stitt
		consulting 4
	Amount:	\$9,000.00
	Component Description:	WLWT Stitt
		consulting 5
	Amount:	\$3,000.00

Non-catalog Legal Expenses	Component Description: Amount:	WLWT non-catalog legal 3 \$1,591.00
	Component Description: Amount:	WLWT non-catalog legal 2 \$3,690.02
	Component Description: Amount:	WLWT non-catalog legal 1 \$2,709.40
Transmitter Site Survey Sales Tax	Component Description: Amount:	Ohio sales tax for Transmitter Site Survey (aka Field Service, TV) \$1,442.00
Transmitter Site Survey	Component Description: Amount:	WLWT Field Service, GatesAir, 6-30-2017 \$20,600 \$20,600.00
Comprehensive coverage verification via field study, if needed	Information not provided.	
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.	

Attorney Fees - Prepare and File request for Special Temporary Authorization	Component Description:	WLWT Prepare and File request for Special Temporary
	Amount:	Authorization 2 \$884.60
	Component Description:	WLWT Prepare and File request for Special Temporary
	Amount:	Authorization \$1,004.20
RF Exposure Measurements	Information not provided.	
Security	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	
Prepare and or review reimbursement form	Component Description:	WLWT Prepare and /or review reimbursement
	Amount:	Form 399 \$1,082.40
	Component Description:	WLWT Prepare and /or review reimbursement
	Amount:	Form 399 2 \$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:	WLWT RF consulting for interim antenna
	Amount:	development \$875.00
	Component Description:	WLWT engineering study for new channel assignment
	Amount:	\$562.50
	Component Description:	WLWT antenna development
	Amount:	\$625.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	WLWT CP engineering mod \$700.00
	Amount.	\$700.00
	Component Description: Amount:	WLWT CP engineering prep \$1,825.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description:	WLWT RF consulting for license to cover
	Amount:	\$250.00

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	WLWT Prepare and File FCC Form 2100, Construction
	Amount:	Permit Application 2 \$1,054.53
	Component Description:	WLWT Prepare and File FCC Form 2100, Construction
	Amount:	Permit Application \$792.00
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	

Other Expenses

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$81,076.46	\$74,327.46		\$59,528.26	
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	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
Equipment Delivery and Handling Charges	\$2,500.00	\$2,500.00	Transmitter local delivery	\$2,495.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$4,856.00	quote attached	\$3,894.40	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

Disposal Costs (for equipment and other waste, net of any salvage value)	\$9,740.00	\$9,740.00	Equipment removal to make space for replacement transmitter installation. See Equipment Removal quotes 1 & 2.	N/A	N/A
Equipment Storage	\$46,087.00	\$46,087.00	per relevant invoices	\$46,087.00	N/A
MVPD Notification of Channel Change	\$2,850.00	\$2,850.00	MVPD notification	\$2,842.40	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	\$81,076.46	\$74,327.46	N/A	\$59,528.26	N/A
Total for all systems	\$4,543,332.33	\$3,789,730.12	N/A	\$3,445,547.30	N/A

Actual Information Description	File Name
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.

Equipment Delivery and Handling Charges	Component Description:	WLWT local transmitter delivery 1
	Amount:	\$2,495.00
DTV Medical Facility		
Notification	Component Description:	WLWT medica notification
	Amount:	\$3,894.40
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	

Equipment Storage		
	Component Description:	WLWT main
		antenna storage
		rev2
	Amount:	\$28,450.00
	Component Description:	WLWT
		transmitter
		storage 2
	Amount:	\$400.00
	Component Deservations	WLWT
	Component Description:	transmitter
		storage 1
	Amount:	\$6,077.00
	Amount.	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>
	Component Description:	WLWT
		transmitter
		storage 3
	Amount:	\$400.00
	Component Description:	WLWT interim
	A	antenna storage
	Amount:	\$3,400.00
	Component Description:	WLWT interim
		antenna ship to
		storage
	Amount:	\$7,360.00
MVPD Notification of		
Channel Change	Common on the contraction of	
-	Component Description:	WLWT MVPD
	Americati	notification
	Amount:	\$2,842.40

Contract Labor		
	Component Description:	WLWT
		accounting labor
	Amount:	\$4,209.46

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$4,543,332.33	\$3,789,730.12	\$3,445,547.30

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.	
		 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. 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).
- 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.

	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 aut nameo	re, under penalty of perjury, that I am horized representative of the above- I applicant for the Authorization(s) ed above.	John Drain Hearst Television SVP Chief Financial Officer 02/05/2020

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR 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).	
		 The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 	
		2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.	
		3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

- 4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
- 5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster **Relocation Fund are** necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 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
	02/05/2020

Attachments