



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **46979** | Service: **DTV** | Call **WLWT** | Channel: **20 (UHF)** |  
ID: | Sign:  
File **0000026824**  
Number:  
FRN: **0001587609** | Date **04/22**  
Submitted: **/2021**

## Applicant Information

### Applicant Name, Type, and Contact Information

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
Doing Business As: Ohio /Oklahoma Hearst Television Inc.				

## Reimbursement Contact Information

### Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

## Preparer Contact Information

### Preparer Contact Name and Information

Applicant	Address	Phone	Email
The Preparer is same as the reimbursement contact.			

## Broadcaster Information and Transition Plan

Question	Response
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Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	Yes
Briefly describe transition plan	see attached document

## Transmitters

Section	Question	Response
<b>Transmitter Related Expenses</b>	Do you have transmitter related expenses?	Yes

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	Sigma CD3300 P3
	Year	2002
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 kW

**Primary  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-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.

**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
<b>Electrical Service</b>	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.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

**Primary  
Transmitter**

**Other Transmitter Cost Not Listed**

Name	Description
Transmitter installation incidentals	equipment and supplies needed for transmitter installation
RF System Modifications	changes to RF system required for installation of repack transmitter
Transmitter Room Modification	remove equipment, walls etc. to make room for new transmitter
RF Sweep	RF sweep of the existing RF infrastructure in the transmitter building to determine what components would work with the WLWT's post-repack channel 20
Shipping	transmitter shipping
Heat Exchanger Filters	Filters to prevent debris embedding in cooling fins
RF Accessories	additional RF components required for transmitter operation
Sales Tax	transmitter sales tax
Electrical Accessories	Manufacturer required surge protection
Transmitter de-install	removal of old transmitter

**Antennas**

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

**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	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
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Bottom
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	1000.0 kW



Manufacturer	
Model	TFU-30GBH-R06
Year	2002

Primary  
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	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
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	722.0 kW
	Manufacturer	

Model	TFU-26GBH-R06
Year	2018
Justification for New Antenna	Current antenna is channel specific and cannot be used on post-transition channel. Antenna must be replaced.

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
<b>Elbow Complex</b>	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
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	

<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

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

**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	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
<b>New Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	16
	Lower Limit	470.00 MHz
	Upper Limit	608.00 MHz
	Design power capacity in use	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.
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## Interim Antenna

### Other Antenna Costs

Section	Question	Response
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an antenna?	Yes
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

Interim  
Antenna

Other Antenna Cost Not Listed

Name	Description
Sales Tax	antenna sales tax
Shipping	antenna shipping

**Transmission Line**

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

**Primary Transmission Line****Existing Transmission Line**

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	Dielectric
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	950 feet per run



Primary Transmission Line

Other Transmission Line Expenses Not Listed

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 Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	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 Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Sales Tax	transmission line sales tax

<b>Additional TL Components</b>	additional elbows, hangers etc. to complete transmission line run
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**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?	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 Registration	Do you have a tower registration number?	Yes
	ASR Number	1038226
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	39° 07' 27.0" N-
	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

#### 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:	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

Other Tower Expenses Not Listed

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

**Outside  
Professional Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	Do you require outside project management services?	No
	Number of Hours	N/A
	Explanation	N/A
<b>Outside RF consulting Engineering Services</b>	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
<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application	Yes
	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	3
	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
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

**Outside Professional Services Costs**

**Other Professional Services Expenses Not Listed**

<b>Name</b>	<b>Description</b>
<b>Security</b>	Security service during tower modifications & antenna installation
<b>Transmitter Site Survey</b>	Transmitter planning survey & transmitter building drawings (aka Field Service, TV)
<b>Transmitter Site Survey Sales Tax</b>	Transmitter planning survey & transmitter building drawings (aka Field Service, TV)

<b>Non-catalog Legal Expenses</b>	Non-Catalog expenses for legal advice and services, including financial/reimbursement review, transition reporting, transition procedures, and other transition-related issues.
<b>Consulting-Project Management</b>	Project Management and/or Consulting



## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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
<b>Permit and Filing Costs</b>	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
<b>Other Miscellaneous Expenses</b>	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**

**Other Expenses Not Listed**

Name	Description
<b>Contract Labor</b>	labor directly related to the station channel change
<b>in-house labor</b>	in-house labor directly related to station's repack
<b>Tower site restoraton</b>	repair damage due to heavy equipment at tower site

## 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-72	\$1,901,185.61	\$1,600,920.42		\$1,600,920.42	
Transmitter de-install	<i>\$34,177.33</i>	\$34,177.33	removal of old transmitter to make room for replacement	\$34,177.33	N/A
Electrical Accessories	<i>\$3,884.98</i>	\$3,884.98	Manufacturer required surge protection	\$3,884.98	N/A
Sales Tax	<i>\$94,714.17</i>	\$94,714.17	transmitter and transmitter parts sales tax	\$94,714.17	N/A
RF Accessories	<i>\$65,289.39</i>	\$65,289.39	Additional RF components required for transmitter operation and integration into current RF environment.	\$65,289.39	N/A
Heat Exchanger Filters	<i>\$1,000.00</i>	\$1,000.00	per quote	\$1,000.00	N/A
Shipping	<i>\$17,483.11</i>	\$17,483.11	shipping per attached GatesAir invoice	\$17,483.11	N/A

RF Sweep	<b>\$6,400.00</b>	\$6,400.00	RF sweep of the existing RF infrastructure in the transmitter building to determine what components would work with the WLWT's post-repack channel 20.	\$6,400.00	N/A
Transmitter Room Modification	<b>\$35,647.23</b>	\$35,647.23	building mods required for new transmitter	\$35,647.23	N/A
RF System Modifications	<b>\$31,112.93</b>	\$31,112.93	RF system modifications required to allow repack transmitter installation	\$31,112.93	N/A
Transmitter installation incidentals	<b>\$5,455.47</b>	\$5,455.47	parts, supplies and equipment needed for transmitter installation	\$5,455.47	N/A
Other Electrical Service: transmitter installation electrical service. See attached Bertke Electric quote.	<b>\$96,221.00</b>	\$96,221.00	per Bertke Electric invoices	\$96,221.00	N/A

Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$16,867.80	N/A	\$16,867.80	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
<b>Sub-total</b>	\$1,901,185.61	\$1,600,920.42	N/A	\$1,600,920.42	N/A
<b>Total for all systems</b>	\$4,495,197.27	\$3,609,774.09	N/A	\$3,609,607.05	N/A

## Components

Actual Information	
Description	File Name
Transmitter de-install	<div> <div>Component Description:</div> <div>WLWT GA transmitter de-install</div> </div> <div> <div>Amount:</div> <div>\$25,550.85</div> </div> <div> <div>Component Description:</div> <div>WLWT de-install forklift rental 1</div> </div> <div> <div>Amount:</div> <div>\$3,039.92</div> </div> <div> <div>Component Description:</div> <div>WLWT de-install forklift rental 2</div> </div> <div> <div>Amount:</div> <div>\$1,631.56</div> </div> <div> <div>Component Description:</div> <div>WLWT old transmitter outside equipment removal</div> </div> <div> <div>Amount:</div> <div>\$3,955.00</div> </div>

Electrical Accessories	<b>Component Description:</b> WLWT transmitter electrical accessories <b>Amount:</b> \$3,884.98
Sales Tax	<b>Component Description:</b> WLWT transmitter RF components sales tax <b>Amount:</b> \$2,192.16  <b>Component Description:</b> WLWT transmitter sales tax 3 <b>Amount:</b> \$1,788.56  <b>Component Description:</b> WLWT transmitter sales tax 2 <b>Amount:</b> \$7,913.37  <b>Component Description:</b> WLWT transmitter sales tax <b>Amount:</b> \$82,820.08
RF Accessories	<b>Component Description:</b> WLWT transmitter RF accessories <b>Amount:</b> \$65,289.39
Heat Exchanger Filters	<b>Component Description:</b> WLWT heat exchanger filters <b>Amount:</b> \$1,000.00
Shipping	<b>Component Description:</b> WLWT transmitter shipping <b>Amount:</b> \$17,483.11

RF Sweep	<div> <div>Component Description:</div> <div>WLWT RF sweep of existing switch to test compatibility with channel 20</div> </div> <div> <div>Amount:</div> <div>\$6,400.00</div> </div>
Transmitter Room Modification	<div> <div>Component Description:</div> <div>WLWT AC equipment removal</div> </div> <div> <div>Amount:</div> <div>\$5,940.00</div> </div>
	<div> <div>Component Description:</div> <div>WLWT transmitter building mods 2</div> </div> <div> <div>Amount:</div> <div>\$1,944.00</div> </div>
	<div> <div>Component Description:</div> <div>WLWT transmitter building mods 3 rev</div> </div> <div> <div>Amount:</div> <div>\$7,620.11</div> </div>
	<div> <div>Component Description:</div> <div>WLWT scissor lift rental</div> </div> <div> <div>Amount:</div> <div>\$559.99</div> </div>
	<div> <div>Component Description:</div> <div>WLWT transmitter building mods</div> </div> <div> <div>Amount:</div> <div>\$10,163.13</div> </div>
	<div> <div>Component Description:</div> <div>WLWT fencing for transmitter heat exchangers</div> </div> <div> <div>Amount:</div> <div>\$9,420.00</div> </div>

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RF System Modifications

**Component Description:** WLWT RF  
reconfiguration  
parts shipping 1  
**Amount:** \$760.39

**Component Description:** WLWT RF  
reconfiguration  
parts 1  
**Amount:** \$13,044.11

**Component Description:** WLWT waveguide  
switch rev  
**Amount:** \$16,674.68

**Component Description:** WLWT waveguide  
switch bracket  
shipping rev  
**Amount:** \$470.65

**Component Description:** WLWT RF switch  
cable  
**Amount:** \$163.10

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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 4  
**Amount:** \$184.91

**Component Description:** WLWT forklift  
rental for  
transmitter  
installation  
**Amount:** \$874.58

**Component Description:** WLWT scissorlift  
rental for  
transmitter  
installation  
**Amount:** \$466.65

**Component Description:** WLWT transmitter  
installation  
incidentals 3  
**Amount:** \$675.45

Other Electrical Service: transmitter installation electrical service. See attached Bertke Electric quote.	<b>Component Description:</b>	WLWT transmitter electrical installation 1
	<b>Amount:</b>	\$48,110.50
	<b>Component Description:</b>	WLWT transmitter electrical installation 2
	<b>Amount:</b>	\$48,110.50
Transformer 3 phase/480v - 300 KVA	<b>Component Description:</b>	WLWT transmitter electrical transformers
	<b>Amount:</b>	\$16,867.80
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	<b>Component Description:</b>	WLWT GatesAir transmitter 1/3 prior to ship
	<b>Amount:</b>	\$433,669.74
	<b>Component Description:</b>	WLWT transmitter installation
	<b>Amount:</b>	\$95,565.15
	<b>Component Description:</b>	Transmitter 1st deposit
	<b>Amount:</b>	\$138,687.85
	<b>Component Description:</b>	WLWT transmitter delivery payment
	<b>Amount:</b>	\$260,556.40
	<b>Component Description:</b>	Transmitter 2nd deposit
	<b>Amount:</b>	\$264,187.87



## 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
Interim Antenna TFU-16WB	\$168,444.92	\$149,464.92		\$149,464.92	
Shipping	<i>\$5,552.81</i>	\$5,552.81	shipping per attached Dielectric invoice	\$5,552.81	N/A
Sales Tax	<i>\$9,245.51</i>	\$9,245.51	interim antenna sales tax	\$9,245.51	N/A
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
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	<i>\$123,766.60</i>	\$123,766.60	per invoices	\$123,766.60	Progress payments - not itemized

<b>Primary Antenna TFU-26GBH-R 06</b>	<b>\$313,721.48</b>	<b>\$437,715.48</b>		<b>\$437,715.48</b>	
Antenna accessories	<b>\$13,444.93</b>	\$13,444.93	RF components need for antenna installation per Dielectric invoices	\$13,444.93	N/A
Sales Tax	<b>\$24,633.55</b>	\$24,633.55	main antenna sales tax	\$24,633.55	N/A
Shipping	<b>\$9,613.00</b>	\$9,613.00	shipping per attached Dielectric quote	\$9,613.00	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
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	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
<b>Sub-total</b>	<b>\$482,166.40</b>	<b>\$587,180.40</b>	N/A	<b>\$587,180.40</b>	N/A

<b>Total for all systems</b>	\$4,495,197.27	\$3,609,774.09	N/A	\$3,609,607.05	N/A
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## Components

Actual Information Description	File Name
Shipping	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>WLWT interim antenna shipping to site</div> <div>\$3,680.00</div> </div> <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>WLWT interim antenna custom TL shipping rev2</div> <div>\$820.73</div> </div> <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>WLWT interim antenna custom line section shipping rev</div> <div>\$1,052.08</div> </div>
Sales Tax	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>WLWT interim antenna sales tax</div> <div>\$9,245.51</div> </div>
Side mount brackets for high power antennas (if not included in antenna base cost)	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>WLWT side mount bracket redesign</div> <div>\$4,500.00</div> </div>
Sweep test of existing antenna	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>WLWT interim antenna sweep rev2</div> <div>\$6,400.00</div> </div>

UHF - High Power, Side Mount, basic slot antenna, 16 bay,, 500 kW input, directional,, horizontally polarized	<b>Component Description:</b>	WLWT interim antenna payment 3
	<b>Amount:</b>	\$1,573.33
	<b>Component Description:</b>	Dielectric WLWT Interim Antenna 45% progress payment (10% down and 35% with order equals). Supporting documentation included.
	<b>Amount:</b>	\$59,720.40
	<b>Component Description:</b>	WLWT Dielectric interim antenna payment 2 - 45% prior to ship. Supporting documentation included.
	<b>Amount:</b>	\$62,472.87

Antenna accessories	<table> <tr> <td data-bbox="710 174 1013 208"><b>Component Description:</b></td><td data-bbox="1150 174 1377 286">WLWT custom length transmission line 2 rev</td></tr> <tr> <td data-bbox="710 297 815 331"><b>Amount:</b></td><td data-bbox="1150 297 1246 331">\$910.00</td></tr> <tr> <td data-bbox="710 436 1013 470"><b>Component Description:</b></td><td data-bbox="1150 436 1361 504">WLWT custom TL shipping 2 rev2</td></tr> <tr> <td data-bbox="710 515 815 548"><b>Amount:</b></td><td data-bbox="1150 515 1246 548">\$425.40</td></tr> <tr> <td data-bbox="710 654 1013 687"><b>Component Description:</b></td><td data-bbox="1150 654 1361 721">WLWT custom TL shipping rev2</td></tr> <tr> <td data-bbox="710 732 815 766"><b>Amount:</b></td><td data-bbox="1150 732 1246 766">\$403.39</td></tr> <tr> <td data-bbox="710 871 1013 904"><b>Component Description:</b></td><td data-bbox="1150 871 1377 983">WLWT custom length transmission line rev</td></tr> <tr> <td data-bbox="710 994 815 1028"><b>Amount:</b></td><td data-bbox="1150 994 1267 1028">\$1,820.00</td></tr> <tr> <td data-bbox="710 1133 1013 1167"><b>Component Description:</b></td><td data-bbox="1150 1133 1350 1245">WLWT cable for Antenna Obstruction Light</td></tr> <tr> <td data-bbox="710 1256 815 1290"><b>Amount:</b></td><td data-bbox="1150 1256 1246 1290">\$664.13</td></tr> <tr> <td data-bbox="710 1395 1013 1429"><b>Component Description:</b></td><td data-bbox="1150 1395 1281 1462">WLWT test transition</td></tr> <tr> <td data-bbox="710 1473 815 1507"><b>Amount:</b></td><td data-bbox="1150 1473 1267 1507">\$2,420.00</td></tr> <tr> <td data-bbox="710 1612 1013 1646"><b>Component Description:</b></td><td data-bbox="1150 1612 1366 1724">WLWT main antenna additional parts and shipping</td></tr> <tr> <td data-bbox="710 1736 815 1769"><b>Amount:</b></td><td data-bbox="1150 1736 1267 1769">\$6,802.01</td></tr> </table>	<b>Component Description:</b>	WLWT custom length transmission line 2 rev	<b>Amount:</b>	\$910.00	<b>Component Description:</b>	WLWT custom TL shipping 2 rev2	<b>Amount:</b>	\$425.40	<b>Component Description:</b>	WLWT custom TL shipping rev2	<b>Amount:</b>	\$403.39	<b>Component Description:</b>	WLWT custom length transmission line rev	<b>Amount:</b>	\$1,820.00	<b>Component Description:</b>	WLWT cable for Antenna Obstruction Light	<b>Amount:</b>	\$664.13	<b>Component Description:</b>	WLWT test transition	<b>Amount:</b>	\$2,420.00	<b>Component Description:</b>	WLWT main antenna additional parts and shipping	<b>Amount:</b>	\$6,802.01
<b>Component Description:</b>	WLWT custom length transmission line 2 rev																												
<b>Amount:</b>	\$910.00																												
<b>Component Description:</b>	WLWT custom TL shipping 2 rev2																												
<b>Amount:</b>	\$425.40																												
<b>Component Description:</b>	WLWT custom TL shipping rev2																												
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<b>Component Description:</b>	WLWT custom length transmission line rev																												
<b>Amount:</b>	\$1,820.00																												
<b>Component Description:</b>	WLWT cable for Antenna Obstruction Light																												
<b>Amount:</b>	\$664.13																												
<b>Component Description:</b>	WLWT test transition																												
<b>Amount:</b>	\$2,420.00																												
<b>Component Description:</b>	WLWT main antenna additional parts and shipping																												
<b>Amount:</b>	\$6,802.01																												
Sales Tax	<table> <tr> <td data-bbox="710 1901 1013 1935"><b>Component Description:</b></td><td data-bbox="1150 1901 1358 1968">WLWT main antenna sales tax</td></tr> <tr> <td data-bbox="710 1980 815 2013"><b>Amount:</b></td><td data-bbox="1150 1980 1283 2013">\$24,633.55</td></tr> </table>	<b>Component Description:</b>	WLWT main antenna sales tax	<b>Amount:</b>	\$24,633.55																								
<b>Component Description:</b>	WLWT main antenna sales tax																												
<b>Amount:</b>	\$24,633.55																												



Shipping	<div> <b>Component Description:</b> WLWT main antenna shipping rev2         </div> <div> <b>Amount:</b> \$9,613.00         </div>
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	<div> <b>Component Description:</b> WLWT main antenna elbow complex         </div> <div> <b>Amount:</b> \$10,984.00         </div>
Sweep test of existing antenna	<div> <b>Component Description:</b> WLWT main antenna sweep         </div> <div> <b>Amount:</b> \$6,400.00         </div>
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	<div> <b>Component Description:</b> WLWT main antenna payment 3 rev         </div> <div> <b>Amount:</b> \$9,021.10         </div>
	<div> <b>Component Description:</b> WLWT main antenna payment 45% prior to ship         </div> <div> <b>Amount:</b> \$181,809.45         </div>
	<div> <b>Component Description:</b> Dielectric WLWT Main Antenna and Elbow complex; 9.13.2017; \$181,809.45; progress payments 10% &amp; 35%         </div> <div> <b>Amount:</b> \$181,809.45         </div>

## Cost Information

### Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Interim Transmission Line</b>	<b>\$238,990.79</b>	<b>\$238,353.45</b>		<b>\$238,353.45</b>	
Additional TL Components	<i>\$85,602.51</i>	\$85,602.51	additional transmission line components needed to complete installation	\$85,602.51	N/A
Sales Tax	<i>\$14,188.28</i>	\$14,188.28	transmission line sales tax	\$14,188.28	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
<b>Primary Transmission Line</b>	<b>\$17,774.52</b>	<b>\$17,774.52</b>		<b>\$17,774.52</b>	
Elbows	<i>\$855.18</i>	\$855.18	see Dielectric invoice	\$855.18	N/A
Refurbish Line	<i>\$14,161.00</i>	\$14,161.00	transmission line parts	\$14,161.00	N/A
Line sweep	<i>\$2,758.34</i>	\$2,758.34	see associated invoice	\$2,758.34	N/A
<b>Sub-total</b>	<b>\$256,765.31</b>	<b>\$256,127.97</b>	N/A	<b>\$256,127.97</b>	N/A
<b>Total for all systems</b>	<b>\$4,495,197.27</b>	<b>\$3,609,774.09</b>	N/A	<b>\$3,609,607.05</b>	N/A

## Components

Actual Information Description	File Name
Additional TL Components	
	<div> <div>Component Description:</div> <div>WLWT additional interim transmission line parts shipping 5</div> </div> <div> <div>Amount:</div> <div>\$2,141.10</div> </div>
	<div> <div>Component Description:</div> <div>WLWT additional interim transmission line parts</div> </div> <div> <div>Amount:</div> <div>\$34,264.09</div> </div>
	<div> <div>Component Description:</div> <div>WLWT additional interim transmission line parts shipping</div> </div> <div> <div>Amount:</div> <div>\$997.85</div> </div>
	<div> <div>Component Description:</div> <div>WLWT interim transmission line hangers</div> </div> <div> <div>Amount:</div> <div>\$684.60</div> </div>
	<div> <div>Component Description:</div> <div>WLWT additional interim transmission line parts shipping 2</div> </div> <div> <div>Amount:</div> <div>\$550.75</div> </div>
	<div> <div>Component Description:</div> <div>WLWT additional interim transmission line parts 3</div> </div> <div> <div>Amount:</div> <div>\$1,447.50</div> </div>

	<b>Component Description:</b>	WLWT additional interim transmission line parts 2
	<b>Amount:</b>	\$27,469.50
	<b>Component Description:</b>	WLWT additional interim transmission line parts shipping 4
	<b>Amount:</b>	\$344.26
	<b>Component Description:</b>	WLWT additional interim transmission line parts shipping 3
	<b>Amount:</b>	\$370.86
	<b>Component Description:</b>	WLWT additional interim transmission line parts 4
	<b>Amount:</b>	\$1,302.00
	<b>Component Description:</b>	WLWT interim transmission line custom elbows
	<b>Amount:</b>	\$16,030.00
Sales Tax	<b>Component Description:</b>	WLWT interim transmission line sales tax
	<b>Amount:</b>	\$14,188.28

Rigid Transmission Line - copper, 6 1/8" broadband	<div> <b>Component Description:</b> WLWT interim transmission line payment 3 </div> <div> <b>Amount:</b> \$13,788.30 </div>
	<div> <b>Component Description:</b> WLWT Dielectric interim transmission line payment 2 - 45% prior to ship </div> <div> <b>Amount:</b> \$62,047.35 </div>
	<div> <b>Component Description:</b> WLWT transmission line cut pieces shipping </div> <div> <b>Amount:</b> \$679.66 </div>
	<div> <b>Component Description:</b> Dielectric WLWT Interim Transmission line payments 10% down &amp; 35% with order equals 45% of invoice line item 2 </div> <div> <b>Amount:</b> \$62,047.35 </div>
Elbows	<div> <b>Component Description:</b> WLWT main transmission line elbows shipping </div> <div> <b>Amount:</b> \$855.18 </div>

Refurbish Line	<b>Component Description:</b>	Credit for transmission line refurbishing
	<b>Amount:</b>	(\$25,864.00)
	<b>Component Description:</b>	WLWT main transmission line refurb parts 2
	<b>Amount:</b>	\$19,582.50
	<b>Component Description:</b>	WLWT main transmission line refurbish parts
	<b>Amount:</b>	\$14,161.00
	<b>Component Description:</b>	WLWT main transmission line refurbish 1
	<b>Amount:</b>	\$25,864.00
	<b>Component Description:</b>	WLWT shipping main transmission line refurb parts 2
	<b>Amount:</b>	\$2,095.00
Line sweep	<b>Component Description:</b>	WLWT main transmission line sweep
	<b>Amount:</b>	\$2,758.34

## Cost Information

### Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Primary Tower LTOWER</b>	<b>\$1,517,980.97</b>	<b>\$975,166.29</b>		<b>\$975,166.29</b>	
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
Power line relocation	<b>\$2,458.54</b>	\$2,458.54	see Duke Energy invoice	\$2,458.54	N/A
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
Land clearing	<b>\$24,170.00</b>	\$24,170.00	Clearing trees/brush and moving fences required for tower modifications	\$24,170.00	N/A
Tower Consulting	<b>\$5,752.43</b>	\$5,752.43	tower consulting	\$5,752.43	N/A
Serious tower reinforcement /modifications	\$1,052,000.00	\$660,353.32	N/A	\$660,353.32	-
<b>Sub-total</b>	<b>\$1,517,980.97</b>	<b>\$975,166.29</b>	N/A	<b>\$975,166.29</b>	N/A

<b>Total for all systems</b>	\$4,495,197.27	\$3,609,774.09	N/A	\$3,609,607.05	N/A
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## Components

Actual Information		
Description	File Name	
Structural engineering tower load study for well documented tower	<b>Component Description:</b>  <b>Amount:</b>	WLWT tower feasibility structural analysis \$9,820.00
Power line relocation	<b>Component Description:</b>  <b>Amount:</b>	WLWT power line relocation \$2,458.54
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<b>Component Description:</b>  <b>Amount:</b>	WLWT antenna services phase 2 mobilization \$29,644.00
	<b>Component Description:</b>  <b>Amount:</b>	WLWT antenna services phase 2 completion \$45,069.00
	<b>Component Description:</b>  <b>Amount:</b>	WLWT phase 1 antenna services completion \$7,560.00



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

<b>Component Description:</b>	WLWT interim antenna 20% progress payment
<b>Amount:</b>	\$30,046.00

<b>Component Description:</b>	WLWT antenna services phase 2 change order rev
<b>Amount:</b>	\$43,178.00

<b>Component Description:</b>	WLWT Antenna Services - interim antenna and line installation 50% down payment.
<b>Amount:</b>	\$42,000.00

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Land clearing		
	<b>Component Description:</b>	WLWT tree and brush removal 2
	<b>Amount:</b>	\$5,000.00
	<b>Component Description:</b>	WLWT fence work 2
	<b>Amount:</b>	\$9,550.00
	<b>Component Description:</b>	WLWT tree and brush removal
	<b>Amount:</b>	\$2,920.00
	<b>Component Description:</b>	WLWT fence work 3
	<b>Amount:</b>	\$3,450.00
	<b>Component Description:</b>	WLWT fence work 1
	<b>Amount:</b>	\$3,250.00

Tower Consulting		
	<b>Component Description:</b>	WLWT consultant for on-site tower meeting
	<b>Amount:</b>	\$1,489.43
	<b>Component Description:</b>	WLWT Kube tower consulting
	<b>Amount:</b>	\$75.00
	<b>Component Description:</b>	WLWT tower consulting invoice 1
	<b>Amount:</b>	\$4,038.00
	<b>Component Description:</b>	WLWT tower consulting invoice 2
	<b>Amount:</b>	\$150.00

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

**Cost  
Information**

**Outside Professional Services**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Outside Professional Services</b>	<b>\$206,312.22</b>	<b>\$67,962.85</b>		<b>\$67,795.81</b>	
Consulting- Project Management	<i>\$22,000.00</i>	\$22,000.00	N/A	\$22,000.00	N/A
Non-catalog Legal Expenses	<i>\$14,132.22</i>	\$14,132.22	Non-Catalog expenses for legal advice and services, including financial /reimbursement review, transition reporting, transition procedures, and other transition- related issues.	\$14,132.22	N/A
Transmitter Site Survey Sales Tax	<i>\$0.00</i>	\$0.00	***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	<b>\$20,600.00</b>	\$20,600.00	Transmitter planning survey & transmitter building drawings attached quote does not include \$1,442.00 sales tax added to invoice.	\$20,600.00	N/A
Security	<b>\$0.00</b>	\$0.00	based on attached transmitter security proposal for 90 days.	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$0.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$0.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$11,040.00	\$2,441.60	N/A	\$2,441.60	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$105.00	N/A	\$105.00	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$1,846.53	N/A	\$1,846.53	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$0.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$250.00	N/A	\$250.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$2,525.00	N/A	\$2,525.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$2,062.50	N/A	\$2,062.50	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$0.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,000.00	N/A	\$1,832.96	N/A

Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$0.00	N/A	N/A	N/A
<b>Sub-total</b>	\$206,312.22	\$67,962.85	N/A	\$67,795.81	N/A
<b>Total for all systems</b>	\$4,495,197.27	\$3,609,774.09	N/A	\$3,609,607.05	N/A

## Components

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



Non-catalog Legal Expenses	<b>Component Description:</b>	WLWT non-catalog legal 4
	<b>Amount:</b>	\$3,738.60
	<b>Component Description:</b>	WLWT non-catalog legal 5
	<b>Amount:</b>	\$1,501.20
	<b>Component Description:</b>	WLWT non-catalog legal 3
	<b>Amount:</b>	\$1,591.00
	<b>Component Description:</b>	WLWT non-catalog legal 2
Transmitter Site Survey Sales Tax	<b>Amount:</b>	\$3,690.02
	<b>Component Description:</b>	WLWT non-catalog legal 1
	<b>Amount:</b>	\$2,709.40
	<b>Component Description:</b>	WLWT non-catalog legal 6
	<b>Amount:</b>	\$219.50
	<b>Component Description:</b>	WLWT non-catalog legal 7
	<b>Amount:</b>	\$682.50
	<b>Component Description:</b>	Ohio sales tax for Transmitter Site Survey (aka Field Service, TV)
	<b>Amount:</b>	\$1,442.00

Transmitter Site Survey	<p><b>Component Description:</b> WLWT Field Service, GatesAir, 6-30-2017 \$20,600</p> <p><b>Amount:</b> \$20,600.00</p>
Security	Information not provided.
RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	<p><b>Component Description:</b> WLWT Prepare and File request for Special Temporary Authorization 3</p> <p><b>Amount:</b> \$552.80</p> <p><b>Component Description:</b> WLWT Prepare and File request for Special Temporary Authorization 2</p> <p><b>Amount:</b> \$884.60</p> <p><b>Component Description:</b> WLWT Prepare and File request for Special Temporary Authorization</p> <p><b>Amount:</b> \$1,004.20</p>
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	<p><b>Component Description:</b> WLWT Prepare and file FCC Form 2100 (main) License to Cover Application</p> <p><b>Amount:</b> \$105.00</p>

<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="702 100 1107 322"> <p><b>Component Description:</b></p> </td><td data-bbox="1107 100 1426 322"> <p>WLWT Prepare and File FCC Form 2100, Construction Permit Application</p> </td></tr> <tr> <td data-bbox="702 322 1107 412"> <p><b>Amount:</b></p> </td><td data-bbox="1107 322 1426 412"> <p>\$792.00</p> </td></tr> <tr> <td data-bbox="702 412 1107 636"> <p><b>Component Description:</b></p> </td><td data-bbox="1107 412 1426 636"> <p>WLWT Prepare and File FCC Form 2100, Construction Permit Application 2</p> </td></tr> <tr> <td data-bbox="702 636 1107 725"> <p><b>Amount:</b></p> </td><td data-bbox="1107 636 1426 725"> <p>\$1,054.53</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>WLWT Prepare and File FCC Form 2100, Construction Permit Application</p>	<p><b>Amount:</b></p>	<p>\$792.00</p>	<p><b>Component Description:</b></p>	<p>WLWT Prepare and File FCC Form 2100, Construction Permit Application 2</p>	<p><b>Amount:</b></p>	<p>\$1,054.53</p>
<p><b>Component Description:</b></p>	<p>WLWT Prepare and File FCC Form 2100, Construction Permit Application</p>								
<p><b>Amount:</b></p>	<p>\$792.00</p>								
<p><b>Component Description:</b></p>	<p>WLWT Prepare and File FCC Form 2100, Construction Permit Application 2</p>								
<p><b>Amount:</b></p>	<p>\$1,054.53</p>								
<p>Prepare request for Special Temporary Authorization</p>	<p>Information not provided.</p>								
<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<table> <tr> <td data-bbox="702 837 1107 1016"> <p><b>Component Description:</b></p> </td><td data-bbox="1107 837 1426 1016"> <p>WLWT RF consulting for license to cover</p> </td></tr> <tr> <td data-bbox="702 1016 1107 1128"> <p><b>Amount:</b></p> </td><td data-bbox="1107 1016 1426 1128"> <p>\$250.00</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>WLWT RF consulting for license to cover</p>	<p><b>Amount:</b></p>	<p>\$250.00</p>				
<p><b>Component Description:</b></p>	<p>WLWT RF consulting for license to cover</p>								
<p><b>Amount:</b></p>	<p>\$250.00</p>								
<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="702 1128 1107 1330"> <p><b>Component Description:</b></p> </td><td data-bbox="1107 1128 1426 1330"> <p>WLWT CP engineering mod</p> </td></tr> <tr> <td data-bbox="702 1330 1107 1420"> <p><b>Amount:</b></p> </td><td data-bbox="1107 1330 1426 1420"> <p>\$700.00</p> </td></tr> <tr> <td data-bbox="702 1420 1107 1597"> <p><b>Component Description:</b></p> </td><td data-bbox="1107 1420 1426 1597"> <p>WLWT CP engineering prep</p> </td></tr> <tr> <td data-bbox="702 1597 1107 1686"> <p><b>Amount:</b></p> </td><td data-bbox="1107 1597 1426 1686"> <p>\$1,825.00</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>WLWT CP engineering mod</p>	<p><b>Amount:</b></p>	<p>\$700.00</p>	<p><b>Component Description:</b></p>	<p>WLWT CP engineering prep</p>	<p><b>Amount:</b></p>	<p>\$1,825.00</p>
<p><b>Component Description:</b></p>	<p>WLWT CP engineering mod</p>								
<p><b>Amount:</b></p>	<p>\$700.00</p>								
<p><b>Component Description:</b></p>	<p>WLWT CP engineering prep</p>								
<p><b>Amount:</b></p>	<p>\$1,825.00</p>								

<p>Perform engineering study for new channel assignment and antenna development</p>	<table> <tr> <td data-bbox="702 174 1018 210"><b>Component Description:</b></td><td data-bbox="1145 174 1385 286">WLWT engineering study for new channel assignment</td></tr> <tr> <td data-bbox="702 297 817 333"><b>Amount:</b></td><td data-bbox="1145 297 1244 333">\$562.50</td></tr> <tr> <td data-bbox="702 434 1018 470"><b>Component Description:</b></td><td data-bbox="1145 434 1334 506">WLWT antenna development</td></tr> <tr> <td data-bbox="702 517 817 553"><b>Amount:</b></td><td data-bbox="1145 517 1244 553">\$625.00</td></tr> <tr> <td data-bbox="702 654 1018 689"><b>Component Description:</b></td><td data-bbox="1145 654 1334 806">WLWT RF consulting for interim antenna development</td></tr> <tr> <td data-bbox="702 817 817 853"><b>Amount:</b></td><td data-bbox="1145 817 1244 853">\$875.00</td></tr> </table>	<b>Component Description:</b>	WLWT engineering study for new channel assignment	<b>Amount:</b>	\$562.50	<b>Component Description:</b>	WLWT antenna development	<b>Amount:</b>	\$625.00	<b>Component Description:</b>	WLWT RF consulting for interim antenna development	<b>Amount:</b>	\$875.00
<b>Component Description:</b>	WLWT engineering study for new channel assignment												
<b>Amount:</b>	\$562.50												
<b>Component Description:</b>	WLWT antenna development												
<b>Amount:</b>	\$625.00												
<b>Component Description:</b>	WLWT RF consulting for interim antenna development												
<b>Amount:</b>	\$875.00												
<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<p>Information not provided.</p>												

Prepare and or review reimbursement form	<b>Component Description:</b>  <b>Amount:</b>	WLWT Prepare and /or review reimbursement Form 399 3 \$47.00
	<b>Component Description:</b>  <b>Amount:</b>	WLWT Prepare and /or review reimbursement Form 399 4 \$141.00
	<b>Component Description:</b>  <b>Amount:</b>	WLWT Prepare and /or review reimbursement Form 399 \$1,082.40
	<b>Component Description:</b>  <b>Amount:</b>	WLWT Prepare and /or review reimbursement Form 399 5 \$105.00
	<b>Component Description:</b>  <b>Amount:</b>	WLWT Prepare and /or review reimbursement Form 399 2 \$300.06
	<b>Component Description:</b>  <b>Amount:</b>	WLWT Prepare and /or review reimbursement Form 399 6 \$157.50
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.	

## Cost Information

### Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Other Expenses</b>	<b>\$130,786.76</b>	<b>\$122,416.16</b>		<b>\$122,416.16</b>	
Tower site restoraton	<i>\$42,370.00</i>	\$42,370.00	repair damage to tower site due to heavy equipment used for tower modifications and antenna installations and replacements	\$42,370.00	N/A
in-house labor	<i>\$17,008.21</i>	\$17,008.21	per attached documentation	\$17,008.21	N/A
Contract Labor	<i>\$4,209.46</i>	\$4,209.46	accounting labor directly related to the Spectrum Repack project	\$4,209.46	N/A
MVPD Notification of Channel Change	<i>\$2,842.40</i>	\$2,842.40	MVPD notification	\$2,842.40	N/A
Develop and air announcement of upcoming channel change	<i>\$0.00</i>	\$0.00	Attorney review to ensure FCC compliance	N/A	N/A
Equipment Storage	<i>\$46,087.00</i>	\$46,087.00	per relevant invoices	\$46,087.00	N/A

Equipment Delivery and Handling Charges	<b>\$4,990.00</b>	\$4,990.00	Transmitter local delivery per invoices	\$4,990.00	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<b>\$89.69</b>	\$89.69	per invoice	\$89.69	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$590.00	per FCC receipts	\$590.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$335.00	N/A	\$335.00	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$0.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$3,894.40	quote attached	\$3,894.40	N/A
<b>Sub-total</b>	\$130,786.76	\$122,416.16	N/A	\$122,416.16	N/A
<b>Total for all systems</b>	\$4,495,197.27	\$3,609,774.09	N/A	\$3,609,607.05	N/A

## Components

**Actual Information**  
**Description**

**File Name**

Tower site restoraton	<b>Component Description:</b>	WLWT transmitter site pavement restoration
	<b>Amount:</b>	\$24,180.00
	<b>Component Description:</b>	WLWT tower site restoration 2
	<b>Amount:</b>	\$12,127.00
	<b>Component Description:</b>	WLWT tower site restoration 1
	<b>Amount:</b>	\$6,063.00
in-house labor	<b>Component Description:</b>	WLWT in-house labor 3
	<b>Amount:</b>	\$3,626.38
	<b>Component Description:</b>	WLWT in-house labor 4
	<b>Amount:</b>	\$4,195.16
	<b>Component Description:</b>	WLWT in-house accounting labor 1
	<b>Amount:</b>	\$5,709.60
	<b>Component Description:</b>	WLWT in-house labor 2
	<b>Amount:</b>	\$3,477.07
Contract Labor	<b>Component Description:</b>	WLWT accounting labor
	<b>Amount:</b>	\$4,209.46



MVPD Notification of Channel Change	<div> <b>Component Description:</b> WLWT MVPD notification</div> <div> <b>Amount:</b> \$2,842.40</div>
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	<div> <b>Component Description:</b> WLWT transmitter storage 3</div> <div> <b>Amount:</b> \$400.00</div> <div> <b>Component Description:</b> WLWT transmitter storage 2</div> <div> <b>Amount:</b> \$400.00</div> <div> <b>Component Description:</b> WLWT main antenna storage rev2</div> <div> <b>Amount:</b> \$28,450.00</div> <div> <b>Component Description:</b> WLWT transmitter storage 1</div> <div> <b>Amount:</b> \$6,077.00</div> <div> <b>Component Description:</b> WLWT interim antenna ship to storage</div> <div> <b>Amount:</b> \$7,360.00</div> <div> <b>Component Description:</b> WLWT interim antenna storage</div> <div> <b>Amount:</b> \$3,400.00</div>

Equipment Delivery and Handling Charges	<div> <b>Component Description:</b> WLWT local transmitter delivery 2         </div> <div> <b>Amount:</b> \$2,495.00         </div>
	<div> <b>Component Description:</b> WLWT local transmitter delivery 1         </div> <div> <b>Amount:</b> \$2,495.00         </div>
Disposal Costs (for equipment and other waste, net of any salvage value)	<div> <b>Component Description:</b> WLWT waste container delivery         </div> <div> <b>Amount:</b> \$89.69         </div>
FCC Filing Fees - Special Temporary Authorization request	<div> <b>Component Description:</b> WLWT Engineering STA Extension Application fee 1         </div> <div> <b>Amount:</b> \$200.00         </div>
	<div> <b>Component Description:</b> WLWT Engineering STA Extension Application fee 2         </div> <div> <b>Amount:</b> \$200.00         </div>
	<div> <b>Component Description:</b> WLWT Engineering STA Application fee         </div> <div> <b>Amount:</b> \$190.00         </div>
FCC Filing Fees - Form 2100 license to cover application	<div> <b>Component Description:</b> WLWT main antenna License To Cover Application fee         </div> <div> <b>Amount:</b> \$335.00         </div>

FCC Filing Fees - Form 2100 minor change CP application	Information not provided.
DTV Medical Facility Notification	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> WLWT medical notification  \$3,894.40 </div> </div>

<b>Cost Information</b>	<b>Grand Total</b>		
		<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>
			<b>Actual Cost</b>
	<b>Total for all systems</b>	\$4,495,197.27	\$3,609,774.09
			\$3,609,607.05

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> </ol>	

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

<p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>John Drain</b>  <i>Hearst  Television  SVP Chief  Financial  Officer</i></p> <p>04/22/2021</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p>	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	



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

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Douglas Durkee</b>  <i>Hearst Television  Manager of Spectrum Repack</i></p> <p>04/22/2021</p>

Certification	Section	Question	Response
	Submission of Final Allocation or Accounting Information Statements	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> <li>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 acknowledges that all certifications and attached documentation are considered material representations.</li> <li>2. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.</li> </ol>	

3. The above-named entity certifies that all costs identified as "actual costs" herein accurately represent the costs actually paid by the above-named entity, including any discounts, refunds, or rebates.
4. 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.
5. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
6. 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 above-named applicant for the Authorization(s) specified above.

**Douglas  
Durkee**  
*Hearst  
Television  
Manager of  
Spectrum  
Repack*

04/22/2021

**Attachments**