



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **19200** | Service: **DTV** | Call **WTNZ** | Channel: **15 (UHF)** |  
ID: | Sign:  
File **0000025079**  
Number:  
FRN: **0028123164** | Date **09/08**  
Submitted: **/2021**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
MARBLE CITY TV LLC	220 SALTERS CREEK ROAD HAMPTON, VA 23661	+1 (757) 726-0136	DHANNA@LOCKWOODBROADCAST.COM	Limited Liability Company
MARBLE CITY TV LLC	United States			

## 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
Samuel Hariton <i>Widelity</i>	4031 University Drive Ste 100 Fairfax, VA 22030 United States	+1 (339) 222-8107	sam.hariton@widelity.com

**Broadcaster Information and Transition Plan**

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

**Transmitters**

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

**Auxiliary Transmitter**

**Add Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	Type of change	Retune Existing
	Use	Auxiliary (Backup)
	Ownership	Owned
	Owner	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	Harris
	Model	UAX
	Year	2011

Type	Solid State
Solid State Cooling	Air Cooled
Solid State Power capacity	1.1 kW

**Auxiliary Transmitter**

**Retuning Transmitter Costs**

Section	Question	Response
<b>New IOT Tubes</b>	Number of Tubes (including accessories) needed	N/A
<b>New Mask Filter</b>	Power	1.5 kW
	Other Power	N/A
<b>New Exciter</b>	Is a new exciter needed?	No

**Auxiliary 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	150 kVA
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	50.0 feet
	Other Electrical Service	Yes
	Description	panel board distribution and breakers
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes

	Type	Cooling Only
	Size	10 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	Yes
	Size	200.0
<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

**Auxiliary Transmitter**      **Other Transmitter Cost Not Listed**

Name	Description
<b>Auxiliary Transmitter-Deinstall and Relocate</b>	Auxiliary Transmitter-Deinstall and Relocate

**Primary  
Transmitter**

**Existing Transmitter Information**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<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	DCX
	Year	2005
	Type	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	20 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-50
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	31.7 kW
	Justification for New Transmitter	Existing transmitter cannot be retuned. Transmitter sizing is based on a forced relocation after it was found out that the existing broadband antenna would not transmit channel 15 at the proper output.

**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
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<b>Electrical Service</b>	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	Yes
	Size	4 inches
	Length	100.0 feet
	Other Electrical Service	Yes
	Description	Service panel and distribution for new greenfield ATC suite.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Heating and Cooling
	Size	10 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	Yes
	Size	800.0 square feet
<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**

<b>Name</b>	<b>Description</b>
<b>removal of existing equipment</b>	Station must abandon existing ATC suite and remove its equipment
<b>Internal Transmission Line</b>	Gases and other items needed for transmission line testing and soldering
<b>Emergency Generator</b>	250 kW diesel generator and ATS
<b>Primary Transmitter - Other Expenses</b>	Primary Transmitter - Surge Suppressor and other expenses needed for new transmitter to function.



**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	Leased
	Owner	American Tower
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Bottom
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	3
	Number of Panels	10
	Design power capacity in use	50.0 %
	Lower Limit	470.00 MHz
	Upper Limit	608.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	460.0 kW

Manufacturer	
Model	TUD-O5-16 /80H-2-B
Year	2003

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

Facility ID	Call Sign
52628	WPXK-TV
71082	WATE-TV

**Primary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	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?	Yes
<b>New Antenna Manufacturer and Types</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	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)	350.0 kW
Manufacturer		

Model	TFU-24GTH /VP-R 04
Year	2019
Justification for New Antenna	Existing leased antenna will not meet spec for channel 15. Sweep data attached. Station must relocate and purchase a new single frequency antenna.

**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**

<b>Name</b>	<b>Description</b>
<b>Antenna Pedestal</b>	Required 4' pedestal for arbor arm installation

**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
<b>Existing Transmission Line Description</b>	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	American Tower
	Site	N/A
	Is the existing transmission line shared with another station or stations?	Yes
	Is Transmission Line in operating condition?	Yes
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	2
	Length	1600 feet per run

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

Facility ID	Call Sign
71082	WATE-TV
52628	WPXK-TV





**Primary  
Transmission  
Line**      **New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	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	1500 feet per run
	Justification for New Transmission Line	Station is changing sites and is not able to lease.

**Primary  
Transmission  
Line**      **Other Transmission Line Expenses Not Listed**

Name	Description
<b>Nitrogen Regulator</b>	Nitrogen Regulator required due to repack

**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**

**Add Tower**

Section	Question	Response
<b>Existing Tower Description</b>	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Candelabra
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
<b>Existing Tower Structure Registration</b>	Do you have a tower registration number?	Yes
	ASR Number	1222895
<b>Coordinates (NAD83 ( North American Datum of 1983))</b>	Latitude (NAD83)	35° 59' 44.4" N-
	Longitude (NAD83)	083° 57' 23.1" W-
	Overall Structure Height	1534.10 feet
	Support Structure Height	1399.92 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1314.94 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	American Towers LLC
Date Constructed	04/03/2003

**Primary  
Tower**

**Tower Modification Costs**

Section	Question	Response
<b>Engineering Study</b>	Please what type of engineering study is required, if any:	Study needed for tower with candelabra
<b>Tower Reinforcements</b>	Please select whether tower reinforcements are needed:	No reinforcements needed

**Primary  
Tower**

**Tower Rigging Costs**

Section	Question	Response
<b>Tower Rigging Costs</b>	Complex Tower	Candelabra
<b>Helicopter Services Required</b>	Are helicopter services required?	Yes

**Primary  
Tower**

**Other Tower Expenses Not Listed**

Name	Description
<b>ATC Capital Contribution</b>	Capital contribution fee
<b>Tower Mapping</b>	Mapping the tower to identify potential maintenance and structural concerns.
<b>Tower Permit Drawing Package</b>	Tower Permit Drawing Package

**Primary Tower**

**Add Tower**

Section	Question	Response
<b>Existing Tower Description</b>	Type of change	Move Equipment
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Candelabra
	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	No
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	Unknown
<b>Existing Tower Structure Registration</b>	Do you have a tower registration number?	Yes
	ASR Number	1052156
<b>Coordinates (NAD83 (North American Datum of 1983))</b>	Latitude (NAD83)	36° 00' 12.8" N-
	Longitude (NAD83)	083° 56' 34.0" W-
	Overall Structure Height	1456.02 feet
	Support Structure Height	1332.99 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1393.03 feet
	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
	Tower Owner	SpectraSite Communications, LLC. through American Towers, LLC.

Date Constructed
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01/01/1955
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**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
35908	WVLT-TV	DTV
69161	WUOT	FM
18267	WKOP-TV	DTV

**Primary  
Tower**

**Tower Rigging Costs**

Section	Question	Response
<b>Tower Rigging Costs</b>	Complex Tower	Candelabra
<b>Helicopter Services Required</b>	Are helicopter services required?	No

**Primary  
Tower**

**Other Tower Expenses Not Listed**

Information not provided.

**Outside  
Professional  
Services  
Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	800
	Explanation	Pattern analysis Antenna Spec Transmitter Spec Building drawings Installation Supervision Accounting Internal Legal Strategic Support
<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	No
	Quantity	N/A
	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	1
	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	No
	Additional Field Engineering Service	Yes
	Number of Days	1
	Justification	system sweep



**Outside  
Professional  
Services  
Costs**

**Other Professional Services Expenses Not Listed**

Name	Description
Prepare or Review Reimbursement Form	Prepare or Review Reimbursement Form

**Other Expenses**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<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	Yes
	Non-zoning permits	Yes
	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**

<b>Name</b>	<b>Description</b>
<b>Microwave STL</b>	Microwave STL required due to forced move to a different tower WTNZs existing ATC tower will install a communal antenna that will not support the WTNZs repack channel
<b>ATC Expenses</b>	Defined American Tower charges attached
<b>Site Security</b>	Site Security

**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
<b>Primary Transmitter ULXTE-50</b>	<b>\$1,304,702.01</b>	<b>\$1,276,048.81</b>		<b>\$1,126,498.47</b>	
Other Electrical Service: Service panel and distribution for new greenfield ATC suite.	<i>\$75,000.00</i>	\$75,000.00	New greenfield site shell requiring all new electrical distribution	\$71,663.84	N/A
removal of existing equipment	<i>\$35,000.00</i>	\$35,000.00	N/A	\$0.00	N/A
Emergency Generator	<i>\$66,552.25</i>	\$66,552.25	see Estimated Cost Justification WTNZ-110-1st Primary Transmitter - Generator v0	\$66,552.23	N/A
Internal Transmission Line	<i>\$155.03</i>	\$155.03	Please see WTNZ Primary Transmitter - Internal Transmission Line Revision Justification Cover Letter	\$155.03	N/A

Other -- Building Addition Size: 800.0	<b><i>\$45,000.00</i></b>	\$45,000.00	N/A	\$9,340.14	N/A
10 Ton system	\$38,900.00	\$32,000.00	See attached Funderburk Electrical Services Budget Proposal dated 5/8/19 (50% of total cost of 2 HVAC units)	\$22,942.50	N/A
Primary Transmitter - Other Expenses	<b><i>\$1,699.97</i></b>	\$1,699.97	Please see GatesAir quote Q- 85324 and actual costs (tax and freight) on invoice JW30004718- 1	\$1,699.97	N/A
4" Rigid Conduit and Wiring (Cost per foot)	\$10,100.00	\$9,000.00	new site with no existing electrical infrastructure	N/A	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$7,496.80	GatesAir Quote Q- 76710	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	N/A	N/A

UHF - Liquid Cooled Solid State Transmitter 31.7 kW	<b>\$954,144.76</b>	\$954,144.76	Estimated Cost Justification WTNZ-110-1st Primary Transmitter - UHF Liquid Cooled Solid State v3	\$954,144.76	N/A
<b>Auxiliary Transmitter UAX</b>	<b>\$228,547.45</b>	<b>\$121,601.05</b>		<b>\$81,125.21</b>	
2" Rigid Conduit and Wiring (Cost per foot)	\$1,300.00	\$1,200.00	new greenfield site with no existing electrical infrastructure	N/A	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$23,000.00	new greenfield site with no existing electrical infrastructure	N/A	N/A
1.5 kW mask filter	\$3,030.00	\$0.00	included in tx quote	N/A	N/A
UHF and VHF - minor banding issues	\$105,200.00	\$19,891.10	see Estimated Cost Justification WTNZ-150-1st Auxiliary Transmitter - Retune Existing Transmitter, Minor Banding Issues v0	\$19,891.10	Est not exceeded.

Auxiliary Transmitter-Deinstall and Relocate	<b>\$4,567.45</b>	\$4,567.45	Please see WTNZ Auxiliary Transmitter-Deinstall and Relocate Budget Revision Justification Letter	\$4,567.45	N/A
Other -- Building Addition Size: 200.0	<b>\$15,000.00</b>	\$15,000.00	floor and wall paint. New concrete shell site	N/A	N/A
10 Ton system	\$38,900.00	\$22,942.50	See attached Funderburk Electrical Services Budget Proposal dated 5/8/19 (50% of total cost of 2 HVAC units)	\$22,942.50	N/A
Other Electrical Service: panel board distribution and breakers	<b>\$35,000.00</b>	\$35,000.00	New greenfield site with no existing electrical infrastructure	\$33,724.16	N/A
<b>Sub-total</b>	\$1,533,249.46	\$1,397,649.86	N/A	\$1,207,623.68	N/A
<b>Total for all systems</b>	\$3,623,709.31	\$3,135,995.46	N/A	\$2,355,137.92	N/A

## Components

Actual Information	
Description	File Name
Other Electrical Service: Service panel and distribution for new greenfield ATC suite.	<p><b>Component Description:</b> Work Order #: S015860</p> <p><b>Amount:</b> \$71,663.84</p>

removal of existing equipment	Information not provided.	
Emergency Generator	<b>Component Description:</b>	EQUIPMENT SALE
	<b>Amount:</b>	\$66,552.23
Internal Transmission Line	<b>Component Description:</b>	Cylinder rental
	<b>Amount:</b>	\$155.03
Other -- Building Addition Size: 800.0	<b>Component Description:</b>	Transmitter
	<b>Amount:</b>	\$636.14
	<b>Component Description:</b>	Copper Strap
	<b>Amount:</b>	\$454.00
	<b>Component Description:</b>	Sealed, waterproofed, and coated 42x21x26 interior walls
	<b>Amount:</b>	\$6,306.64
	<b>Component Description:</b>	WTNZ-110-1st Primary Transmitter - Building Addition, 800 sq. ft.
	<b>Amount:</b>	\$1,250.00
	<b>Component Description:</b>	Equipment Rental for Interior Paint and Seal
	<b>Amount:</b>	\$693.36



10 Ton system	<p><b>Component Description:</b> WTNZ-110-1st Primary Transmitter - 10 Ton System</p> <p><b>Amount:</b> \$22,942.50</p>
Primary Transmitter - Other Expenses	<p><b>Component Description:</b> Surge Suppressor</p> <p><b>Amount:</b> \$1,699.97</p>
4" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Transformer 3 phase/480v - 150 KVA	Information not provided.
Switchgear - industrial 800 amp	Information not provided.
Service entrance 3 phase /800 amp/208 volt	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	<p><b>Component Description:</b> Enhanced Feature- License- 1 switch</p> <p><b>Amount:</b> \$5,080.08</p> <p><b>Component Description:</b> Invoice moved to correct budget category.</p> <p><b>Amount:</b> N/A</p> <p><b>Component Description:</b> PLNM 100022</p> <p><b>Amount:</b> \$86.96</p> <p><b>Component Description:</b> Invoice moved to correct budget category.</p> <p><b>Amount:</b> N/A</p>

**Component Description:** WTNZ- 110-1st  
Primary  
Transmitter - UHF  
Liquid Cooled  
Solid State, 21-31  
kW  
**Amount:** \$8,881.81

**Component Description:** Precision 3430  
Small Form Factor  
**Amount:** \$1,356.47

**Component Description:** SMP chassis (dual  
PS), ATSC  
Receive  
Configuration  
**Amount:** \$4,695.00

**Component Description:** CABLE  
**Amount:** \$59.19

**Component Description:** Invoice moved to  
correct budget  
category per NMI  
message  
**Amount:** N/A

**Component Description:** ULXTE-50, 75%  
payment of  
comparable  
equipment  
**Amount:** \$494,459.87

**Component Description:** ULXTE-50  
**Amount:** \$60,528.74

**Component Description:** ULXTE-50  
**Amount:** \$90,739.11

	<b>Component Description:</b> Transmitter <b>Amount:</b> \$76,822.07
	<b>Component Description:</b> A. Transmitter <b>Amount:</b> \$217,486.93
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Transformer 3 phase/480v - 150 KVA	Information not provided.
1.5 kW mask filter	Information not provided.
UHF and VHF - minor banding issues	<b>Component Description:</b> Channel Change UAX-1000AT <b>Amount:</b> \$17,105.72  <b>Component Description:</b> Channel Change & Proof <b>Amount:</b> \$1,671.23  <b>Component Description:</b> Channel Change UAX-1000AT per quote GA- 00021682 <b>Amount:</b> \$1,114.15
Auxiliary Transmitter- Deinstall and Relocate	<b>Component Description:</b> Travel <b>Amount:</b> \$4,567.45
Other -- Building Addition Size: 200.0	Information not provided.

10 Ton system	<p><b>Component Description:</b> WTNZ-150-1st Auxiliary Transmitter - 10 Ton System</p> <p><b>Amount:</b> \$22,942.50</p>
Other Electrical Service: panel board distribution and breakers	<p><b>Component Description:</b> WTNZ-150-1st Auxiliary Transmitter - Other Electrical Service</p> <p><b>Amount:</b> \$33,724.16</p>

**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
<b>Primary Antenna TFU-24GTH /VP-R 04</b>	<b>\$353,273.20</b>	<b>\$278,794.38</b>		<b>\$244,236.59</b>	
Antenna Pedestal	<i>\$44,743.20</i>	\$44,743.20	See Estimated Cost Justification WTNZ-210-Primary Antenna - Antenna Pedestal v0	\$44,743.20	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,511.18	Please see Estimated Cost Justification WTNZ-210-Primary Antenna - Elbow Complex, 6 1/8" v0	\$10,511.18	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 , elliptically or circularly polarized	\$289,500.00	\$217,140.00	Quote Attached (800134CMZ-2) Station is responsible for \$27,600 in v-pol related expense.	\$182,582.21	N/A
<b>Sub-total</b>	\$353,273.20	\$278,794.38	N/A	\$244,236.59	N/A
<b>Total for all systems</b>	\$3,623,709.31	\$3,135,995.46	N/A	\$2,355,137.92	N/A

### Components

Actual Information	
Description	File Name
Antenna Pedestal	<p><b>Component Description:</b> Tower Pedestal <b>Amount:</b> \$23,918.20</p> <p><b>Component Description:</b> WTNZ-210- Primary Antenna - Antenna Pedestal <b>Amount:</b> \$1,375.00</p> <p><b>Component Description:</b> 50% DEPOSIT DUE WITH ORDER <b>Amount:</b> \$19,450.00</p>

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	<p><b>Component Description:</b> WTNZ-210-Primary Antenna - Elbow Complex, 6 1/8</p> <p><b>Amount:</b> \$213.18</p>
	<p><b>Component Description:</b> WTNZ-210-Primary Antenna - Elbow Complex, 6 1/8"</p> <p><b>Amount:</b> \$4,634.10</p>
	<p><b>Component Description:</b> WTNZ-210-Primary Antenna - Elbow Complex, 6 1/8"</p> <p><b>Amount:</b> \$4,634.10</p>
	<p><b>Component Description:</b> WTNZ-210-Primary Antenna - Elbow Complex, 6 1/8"</p> <p><b>Amount:</b> \$1,029.80</p>
Sweep test of existing antenna	<p><b>Component Description:</b> WTNZ-210-Primary Antenna - Sweep Test</p> <p><b>Amount:</b> \$2,880.00</p>
	<p><b>Component Description:</b> WTNZ-210-Primary Antenna - Sweep Test</p> <p><b>Amount:</b> \$2,880.00</p>
	<p><b>Component Description:</b> Other</p> <p><b>Amount:</b> \$640.00</p>

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized

**Component Description:** ELBOW  
COMPLEX 6-75  
FOR WTNZ D15  
SINGLE  
CHANNEL AT  
ANTENNA INPUT

**Amount:** \$9,268.20

**Component Description:** Antenna UHF  
high power top  
mount

**Amount:** \$80,659.12

**Component Description:** Antenna UHF  
high power top  
mount

**Amount:** \$80,659.12

**Component Description:** Antenna- UHF  
High Power Top  
Mount

**Amount:** \$8,656.02

**Component Description:** Freight, shipping  
and handling

**Amount:** \$3,339.75



**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>Primary Transmission Line</b>	<b>\$304,828.14</b>	<b>\$241,291.13</b>		<b>\$241,136.10</b>	
Nitrogen Regulator	<i>\$1,828.14</i>	\$1,828.14	Please see WTNZ Greenville Media quote 6143 lines 15 - 19, plus actual taxes and freight on invoice 6143-3	\$1,828.14	N/A
Rigid Transmission Line - copper, 6 1/8"	\$303,000.00	\$239,462.99	see Estimated Cost Justification WTNZ-310-Primary Transmission Line - Rigid Copper, 6 1_8 v4	\$239,307.96	N/A
<b>Sub-total</b>	<b>\$304,828.14</b>	<b>\$241,291.13</b>	N/A	<b>\$241,136.10</b>	N/A
<b>Total for all systems</b>	<b>\$3,623,709.31</b>	<b>\$3,135,995.46</b>	N/A	<b>\$2,355,137.92</b>	N/A

**Components**

Actual Information	
Description	File Name
Nitrogen Regulator	<p><b>Component Description:</b> Nitrogen Regulator</p> <p><b>Amount:</b> \$1,828.14</p>

Rigid Transmission Line -  
copper, 6 1/8"

**Component Description:** COLORED VINYL  
TAPE  
**Amount:** \$18.86

**Component Description:** Rigid transmission  
line-copper  
**Amount:** \$21,757.06

**Component Description:** ADAPTER 6.75  
DC X 6-75 MYAT  
**Amount:** \$1,755.00

**Component Description:** WTNZ-310-  
Primary  
Transmission Line  
- Rigid Copper, 6 1  
/8  
**Amount:** \$3,552.93

**Component Description:** Stainless 3/8"  
angle adapters  
**Amount:** \$1,602.75

**Component Description:** WTNZ-310-  
Primary  
Transmission Line  
- Rigid Copper, 6 1  
/8"  
**Amount:** \$97,906.72

**Component Description:** WTNZ-310-  
Primary  
Transmission Line  
- Rigid Copper, 6 1  
/8"  
**Amount:** \$97,906.72

**Component Description:** SADDLE KIT 6 T/L  
5/8 X 7 LG  
**Amount:** \$876.40

**Component Description:** Rigid Tranmission  
Line - Copper  
**Amount:** \$4,537.30

**Component Description:** FREIGHT,  
SHIPPING, AND  
HANDLING LINE  
31 & LINE 32  
FEDEX FIRST  
OVERNIGHT  
**Amount:** \$2,884.23

**Component Description:** T/L 6-75 EIA  
length 15' to 20'  
fixed FLG  
**Amount:** \$3,133.40

**Component Description:** RFREIGHT  
OTHER  
**Amount:** \$3,376.59

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**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 Justification
<b>Primary Tower GTOWER</b>	<b>\$421,000.00</b>	<b>\$409,500.00</b>		<b>\$0.00</b>	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$409,500.00	Remove Equipment From Old Tower	\$0.00	N
<b>Primary Tower GTOWER</b>	<b>\$527,700.00</b>	<b>\$315,968.75</b>		<b>\$315,825.00</b>	
Tower Mapping	<i>\$20,600.00</i>	\$20,600.00	Please see Raycom Purchase Order Corp_WTNZ_ATC_01 and ATC Tower Invoice 460208332	\$20,600.00	N
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$210,268.75	see Estimated Cost Justification WTNZ-410-New Primary Tower - Complex Tower v0	\$210,125.00	N
ATC Capital Contribution	<i>\$5,000.00</i>	\$5,000.00	See attached Please see Raycom Purchase Order Corp_WTNZ_ATC_02 and WTNZ American Tower Invoice 460211214	\$5,000.00	N

Tower Helicopter Lift	<i>\$56,400.00</i>	\$56,400.00	Tower King II, Inc Proposal C-19-014	\$56,400.00	N
Structural engineering tower load study for a documented tower with candelabra	\$20,000.00	\$19,000.00	Please see Raycom Purchase Order Corp_WTNZ_ATC_01 and ATC Tower Invoice 460208330	\$19,000.00	N
Tower Permit Drawing Package	<i>\$4,700.00</i>	\$4,700.00	Please see WTNZ Customer Project Cost Estimation 282655 Knoxville TN 1	\$4,700.00	N
<b>Sub-total</b>	\$948,700.00	\$725,468.75	N/A	\$315,825.00	N
<b>Total for all systems</b>	\$3,623,709.31	\$3,135,995.46	N/A	\$2,355,137.92	N

## Components

Actual Information	
Description	File Name
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.
Tower Mapping	<p><b>Component Description:</b> Broadcast Tower Mapping</p> <p><b>Amount:</b> \$20,600.00</p>

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<b>Component Description:</b>  <b>Amount:</b>	WTNZ-410-New Primary Tower - Complex Tower \$78,420.00
	<b>Component Description:</b>  <b>Amount:</b>	Use of Gap Road property for staging area \$3,000.00
	<b>Component Description:</b> <b>Amount:</b>	Repack work \$2,200.00
	<b>Component Description:</b>  <b>Amount:</b>	WTNZ-410-New Primary Tower - Complex Tower \$126,505.00
ATC Capital Contribution	<b>Component Description:</b>  <b>Amount:</b>	CAPITAL CONTRIBUTION \$5,000.00
Tower Helicopter Lift	<b>Component Description:</b>  <b>Amount:</b>	Down Payment for WTNZ Repack Antenna Project \$21,580.00
	<b>Component Description:</b> <b>Amount:</b>	TOWER SERVICE \$34,820.00
Structural engineering tower load study for a documented tower with candelabra	<b>Component Description:</b> <b>Amount:</b>	Broadcast Structural \$19,000.00

Tower Permit Drawing Package	<b>Component Description:</b> PO Line 1 - Tower Construction Drawings <b>Amount:</b> \$4,700.00
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**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>\$248,956.75</b>	<b>\$265,134.58</b>		<b>\$180,139.12</b>	
Prepare or Review Reimbursement Form	<i>\$486.75</i>	\$486.75	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$486.75	N/A
Additional Field Engineering Service, 1 Days	<i>\$5,000.00</i>	\$5,000.00	N/A	\$752.76	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	\$9,560.78	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$670.08	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$670.08	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$6,187.55	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$6,187.55	N/A



Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$765.50	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$750.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,625.00	Per invoices submitted	\$3,625.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,665.84	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$7,665.84	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,000.00	market phase coordination	\$282.00	N/A

Prepare and or review reimbursement form	\$2,630.00	\$2,000.00	N/A	\$643.50	N/A
Project management of the transition	\$126,400.00	\$148,749.36	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$148,749.36	N/A
<b>Sub-total</b>	\$248,956.75	\$265,134.58	N/A	\$180,139.12	N/A
<b>Total for all systems</b>	\$3,623,709.31	\$3,135,995.46	N/A	\$2,355,137.92	N/A

## Components

Actual Information	
Description	File Name
Prepare or Review Reimbursement Form	<b>Component Description:</b> WTNZ-590-RF Eng - Prepare or Review Reimbursement Form
	<b>Amount:</b> \$483.41
	<b>Component Description:</b> WTNZ-550-Attorney - Prepare and or review reimbursement form
	<b>Amount:</b> \$3.34
Additional Field Engineering Service, 1 Days	<b>Component Description:</b> WTNZ-580-Field Engineering Service - Additional Field Engineering, 1 Day
	<b>Amount:</b> \$752.76

Comprehensive coverage verification via field study, if needed	<b>Component Description:</b>	WTNZ-580-Field Engineering Service - Comprehensive Coverage Verification
	<b>Amount:</b>	\$9,560.78
Attorney Fees - Prepare and File request for Special Temporary Authorization	<b>Component Description:</b>	WTNZ-550-Attorney - Special Temporary Authorization
	<b>Amount:</b>	\$26.58
	<b>Component Description:</b>	WTNZ-550-Attorney - Special Temporary Authorization
	<b>Amount:</b>	\$53.62
	<b>Component Description:</b>	Professional Services Rendered
	<b>Amount:</b>	\$589.88
Attorney Fees - Negotiation of lease and other matters for shared locations	<b>Component Description:</b>	Professional Services Rendered
	<b>Amount:</b>	\$49.50
	<b>Component Description:</b>	RE: WTNZ Repack Legal Services (19200)
	<b>Amount:</b>	\$441.80
	<b>Component Description:</b>	Professional Services Rendered
	<b>Amount:</b>	\$94.02

**Component Description:** RE: WTNZ Repack  
Legal Services  
(19200)  
**Amount:** \$345.60

**Component Description:** Professional  
Services Rendered  
**Amount:** \$6.64

**Component Description:** Professional  
Services Rendered  
**Amount:** \$51.28

**Component Description:** For Professional  
Services Rendered  
**Amount:** \$19.93

**Component Description:** RE: WTNZ Repack  
Legal Services  
(19200)  
**Amount:** \$49.00

**Component Description:** Professional  
Services Rendered  
**Amount:** \$44.94

**Component Description:** For Professional  
Services Rendered  
**Amount:** \$297.53

**Component Description:** Professional  
Services Rendered  
**Amount:** \$3.48

**Component Description:** Professional  
Services Rendered  
**Amount:** \$522.15

**Component Description:** Legal Services  
**Amount:** \$903.70

**Component Description:** Repack Legal Services  
**Amount:** \$26.10

**Component Description:** Professional Services Rendered  
**Amount:** \$322.97

**Component Description:** RE: WTNZ Repack Legal Services (19200)  
**Amount:** \$392.00

**Component Description:** RE: WTNZ Repack Legal Services (19200)  
**Amount:** \$2,084.00

**Component Description:** WTNZ-550-Attorney - Negotiate Lease and Other Matters  
**Amount:** \$213.20

**Component Description:** professional-services rendered in connection with the above referenced matter through December 31, 2018  
**Amount:** \$27.86

	<p><b>Component Description:</b> Professional Services Rendered</p> <p><b>Amount:</b> \$29.90</p> <p><b>Component Description:</b> WTNZ-550-Attorney - Negotiate Lease and Other Matters</p> <p><b>Amount:</b> \$70.14</p> <p><b>Component Description:</b> Professional Services Rendered</p> <p><b>Amount:</b> \$191.81</p>
<p>Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application</p>	<p><b>Component Description:</b> WTNZ-550-Attorney - License to Cover Application (Main)</p> <p><b>Amount:</b> \$765.50</p>
<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<p>Information not provided.</p>
<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<p><b>Component Description:</b> Preparation of engineering portion of FCC post-repack license application</p> <p><b>Amount:</b> \$750.00</p>

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<b>Component Description:</b>	Preparation of the engineering portion of FCC Form 2100
	<b>Amount:</b>	\$1,625.00
	<b>Component Description:</b>	Preparation of the engineering portion of FCC Form 2100
	<b>Amount:</b>	\$2,000.00
Perform engineering study for new channel assignment and antenna development	<b>Component Description:</b>	Repack engineering
	<b>Amount:</b>	\$220.83
	<b>Component Description:</b>	WTNZ-530-RF Eng - Engineering Study for New Channel Assignment
	<b>Amount:</b>	\$1,568.98
	<b>Component Description:</b>	Engineering study work for new channel assignment and antenna development.
	<b>Amount:</b>	\$125.00
	<b>Component Description:</b>	Project management
	<b>Amount:</b>	\$1,770.83
<b>Component Description:</b>	WTNZ-530-RF Eng - Engineering Study for New Channel Assignment	
<b>Amount:</b>	\$70.83	

	<p><b>Component Description:</b> Site visit for WTNZ repack planning</p> <p><b>Amount:</b> \$255.20</p>
	<p><b>Component Description:</b> WTNZ-530-RF Eng - Engineering Study for New Channel Assignment</p> <p><b>Amount:</b> \$2,250.00</p>
	<p><b>Component Description:</b> Repack Engineering</p> <p><b>Amount:</b> \$1,187.50</p>
	<p><b>Component Description:</b> WTNZ-530-RF Eng - Engineering Study for New Channel Assignment</p> <p><b>Amount:</b> \$216.67</p>
<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<p><b>Component Description:</b> Repack Legal Services</p> <p><b>Amount:</b> \$282.00</p>



Prepare and or review  
reimbursement form

**Component Description:** WTNZ-550-  
Attorney - Prepare  
and or review  
reimbursement form  
**Amount:** \$26.10

**Component Description:** WTNZ Repack  
legal Services  
**Amount:** \$25.20

**Component Description:** RE: WTNZ Repack  
Legal Services  
(19200)  
**Amount:** \$49.00

**Component Description:** Repack Legal  
Services  
**Amount:** \$543.20

Project management of the  
transition

**Component Description:** Project  
Management  
**Amount:** \$1,413.75

**Component Description:** Project  
Management  
**Amount:** \$3,024.00

**Component Description:** Project  
Management  
**Amount:** \$4,761.25

**Component Description:** Project  
Management  
**Amount:** \$4,220.35

**Component Description:** Project  
Management  
**Amount:** \$485.09

**Component Description:** Project  
Management  
**Amount:** \$3,366.65

**Component Description:** Project  
Management  
**Amount:** \$4,061.70

**Component Description:** Project  
Management  
**Amount:** \$105.00

**Component Description:** Project  
Management  
**Amount:** \$2,999.90

**Component Description:** Project  
Management  
**Amount:** \$2,362.50

**Component Description:** Project  
Management  
**Amount:** \$169.40

**Component Description:** Travel Expenses  
**Amount:** \$893.20

**Component Description:** Project  
Management  
**Amount:** \$2,855.15

**Component Description:** Project management  
**Amount:** \$4,896.95

**Component Description:** Project Management  
**Amount:** \$4,346.35

**Component Description:** WTNZ-510-Project Management  
**Amount:** \$385.00

**Component Description:** Widely information request  
**Amount:** \$43.63

**Component Description:** Project Management  
**Amount:** \$3,098.10

**Component Description:** Project Management  
**Amount:** \$2,345.25

**Component Description:** Project Management  
**Amount:** \$2,175.00

**Component Description:** Project Management  
**Amount:** \$8,713.00

**Component Description:** Project Management  
**Amount:** \$3,143.20

**Component Description:** Project  
Management  
**Amount:** \$2,089.50

**Component Description:** Project  
Management  
**Amount:** \$968.87

**Component Description:** Project  
Management  
**Amount:** \$4,300.85

**Component Description:** Project  
Management  
**Amount:** \$6,866.25

**Component Description:** Project  
Management  
**Amount:** \$3,447.50

**Component Description:** WTNZ-510-Project  
Management  
**Amount:** \$77.00

**Component Description:** Project  
Management  
**Amount:** \$4,771.30

**Component Description:** Project  
Management  
**Amount:** \$741.72

**Component Description:** Project  
management  
**Amount:** \$6,194.05

**Component Description:** Project  
Management  
**Amount:** \$4,848.75

**Component Description:** Project  
Management  
**Amount:** \$6,425.50

**Component Description:** Project  
Management  
**Amount:** \$2,597.50

**Component Description:** WTNZ-510-Project  
Management  
**Amount:** \$9,480.00

**Component Description:** Project  
Management  
**Amount:** \$3,757.85

**Component Description:** Project  
Management  
**Amount:** \$7,524.15

**Component Description:** Project  
Management  
**Amount:** \$4,755.60

**Component Description:** Project  
management  
**Amount:** \$2,324.00

**Component Description:** Project  
Management  
**Amount:** \$2,084.95

**Component Description:** Project  
Management  
**Amount:** \$4,945.00

**Component Description:** Project  
Management  
**Amount:** \$821.00

**Component Description:** Project  
Management  
**Amount:** \$3,227.55

**Component Description:** Project  
Management  
**Amount:** \$6,636.05

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**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>\$234,701.76</b>	<b>\$227,656.76</b>		<b>\$166,177.43</b>	
Site Security	<i>\$9,450.00</i>	\$9,450.00	Invoices Christopher Bell 001, Christopher Jones 002, Daniel Paidousis 002, David Gerlach 002, 003, Hayden Cochran 001, James Lockmiller 002, 003, Michael Geddings 001, 002, Alan Meisheid 001, 002, Jonathan Gomez 001, Shawn Austin 001	\$9,450.00	N/A
ATC Expenses	<i>\$19,630.00</i>	\$19,630.00	ATC document attached	N/A	N/A
Microwave STL	<i>\$119,671.69</i>	\$119,671.69	See Estimated Cost Justification WTNZ-610-Microwave STL v1	\$118,974.88	N/A
MVPD Notification of Channel Change	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A

Develop and air announcement of upcoming channel change	<b><i>\$2,850.00</i></b>	\$2,850.00	estimate for on air rescan announcement production Quote attached	N/A	N/A
Equipment Storage	<b><i>\$20,000.00</i></b>	\$20,000.00	Dielectric letter attached	\$1,560.00	N/A
Equipment Delivery and Handling Charges	<b><i>\$10,410.07</i></b>	\$10,410.07	Estimated Cost Justification WTNZ-610- Equipment Delivery and Handling v2	\$10,410.07	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<b><i>\$25,000.00</i></b>	\$25,000.00	N/A	\$11,462.48	N/A
Non-zoning permits	<b><i>\$8,500.00</i></b>	\$8,500.00	see Estimated Cost Justification WTNZ-610- Non-Zoning Permits v0	\$8,500.00	N/A
Local Zoning	<b><i>\$1,000.00</i></b>	\$1,000.00	Please see WTNZ Customer Project Cost Estimation 282655 Knoxville TN 1	\$1,000.00	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$1,070.00	Please see WTNZ FCC Filing Fee STA Budget Revision Justification Letter.pdf	\$1,070.00	N/A



FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$3,750.00	Group quote attached	\$3,750.00	N/A
<b>Sub-total</b>	\$234,701.76	\$227,656.76	N/A	\$166,177.43	N/A
<b>Total for all systems</b>	\$3,623,709.31	\$3,135,995.46	N/A	\$2,355,137.92	N/A

## Components

Actual Information	
Description	File Name
Site Security	<p><b>Component Description:</b> Repack Security <b>Amount:</b> \$510.00</p> <p><b>Component Description:</b> Repack Security - GL#110128 <b>Amount:</b> \$450.00</p> <p><b>Component Description:</b> Repack Security - GL#110128 <b>Amount:</b> \$420.00</p> <p><b>Component Description:</b> WTNZ Antenna Upgrade Job #691 <b>Amount:</b> \$480.00</p>

**Component Description:** Repack Security -  
GL#110128  
**Amount:** \$240.00

**Component Description:** WTNZ Antenna  
Upgrade Job #691  
**Amount:** \$420.00

**Component Description:** WTNZ Antenna  
Upgrade Job #691  
**Amount:** \$240.00

**Component Description:** Repack Security -  
GL#110128  
**Amount:** \$240.00

**Component Description:** WTNZ Antenna  
Upgrade Job #691  
**Amount:** \$240.00

**Component Description:** WTNZ Antenna  
Upgrade Job #691  
**Amount:** \$210.00

**Component Description:** Repack Security  
**Amount:** \$210.00

**Component Description:** Repack Security -  
GL#110128  
**Amount:** \$660.00

**Component Description:** WTNZ Antenna  
Upgrade Job #691  
**Amount:** \$480.00

**Component Description:** WTNZ Antenna  
Upgrade Job #691  
**Amount:** \$450.00

**Component Description:** Repack Security  
**Amount:** \$420.00

**Component Description:** Repack Security  
**Amount:** \$240.00

**Component Description:** Repack Security  
**Amount:** \$210.00

**Component Description:** Repack Security  
**Amount:** \$270.00

**Component Description:** Repack Security  
**Amount:** \$210.00

**Component Description:** WTNZ Antenna  
Upgrade Job #691  
**Amount:** \$420.00

**Component Description:** Repack Security -  
GL#110128  
**Amount:** \$660.00

**Component Description:** Repack Security  
**Amount:** \$1,260.00

**Component Description:** Repack Security  
**Amount:** \$240.00

	<b>Component Description:</b> Repack Security <b>Amount:</b> \$270.00
ATC Expenses	Information not provided.
Microwave STL	<b>Component Description:</b> MRK Series 19" Gangable Enclosure <b>Amount:</b> \$2,953.48  <b>Component Description:</b> Antenna HP DP <b>Amount:</b> \$40,106.40  <b>Component Description:</b> Ubiquiti- Powerbeam 5 GHZ, 400MM- US <b>Amount:</b> \$13,424.53  <b>Component Description:</b> FREIGHT CHARGES <b>Amount:</b> \$2,363.78  <b>Component Description:</b> IPLink 6GHz Duplex T/R HS, High RF <b>Amount:</b> \$60,126.69
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	<b>Component Description:</b> WTNZ-610- Equipment Storage <b>Amount:</b> \$1,560.00

Equipment Delivery and Handling Charges

**Component Description:** EQUIPMENT RENTAL  
**Amount:** \$787.48

**Component Description:** Freight and Shipping  
**Amount:** \$3,982.50

**Component Description:** FREIGHT AND SHIPPING LINES 1,2 FEDEX FIRST OVERNIGHT  
**Amount:** \$1,258.98

**Component Description:** FREIGHT AND SHIPPING LINES 1, 2, 3 FEDEX FIRST OVERNIGHT  
**Amount:** \$3,188.42

**Component Description:** Stowers Rental TL642D  
**Amount:** \$787.48

**Component Description:** EQUIPMENT RENTAL  
**Amount:** \$405.21

<p>Disposal Costs (for equipment and other waste, net of any salvage value)</p>	<p><b>Component Description:</b> Patterson TN Waste 30 YD Dumpster <b>Amount:</b> \$450.00</p> <p><b>Component Description:</b> delivery of roll-off container, release of roll-off container <b>Amount:</b> \$450.00</p> <p><b>Component Description:</b> Service Call <b>Amount:</b> \$9,150.00</p> <p><b>Component Description:</b> Fee, Fuel Surcharge <b>Amount:</b> \$1,412.48</p>
<p>Non-zoning permits</p>	<p><b>Component Description:</b> WTNZ-610-Non-Zoning Permits <b>Amount:</b> \$8,500.00</p>
<p>Local Zoning</p>	<p><b>Component Description:</b> WTNZ-610-Local Zoning <b>Amount:</b> \$1,000.00</p>
<p>FCC Filing Fees - Special Temporary Authorization request</p>	<p><b>Component Description:</b> WTNZ-610-FCC Filing Fee - Special Temporary Authorization <b>Amount:</b> \$1,070.00</p>
<p>FCC Filing Fees - Form 2100 license to cover application</p>	<p>Information not provided.</p>

FCC Filing Fees - Form 2100 minor change CP application	Information not provided.				
DTV Medical Facility Notification	<table><tr><td data-bbox="715 331 1023 365"><b>Component Description:</b></td><td data-bbox="1155 331 1378 483">Medical Notification Mailing Complete per FCC Repack</td></tr><tr><td data-bbox="715 495 826 528"><b>Amount:</b></td><td data-bbox="1155 495 1278 528">\$3,750.00</td></tr></table>	<b>Component Description:</b>	Medical Notification Mailing Complete per FCC Repack	<b>Amount:</b>	\$3,750.00
<b>Component Description:</b>	Medical Notification Mailing Complete per FCC Repack				
<b>Amount:</b>	\$3,750.00				

**Cost Information** **Grand Total**

	<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>	<b>Actual Cost</b>
<b>Total for all systems</b>	\$3,623,709.31	\$3,135,995.46	\$2,355,137.92

**Reimbursement Status**

<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.	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
	<p><b>Submission of Estimated Expenses Statements</b></p>	<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>Bob Pectelidis</b> <i>Director of Corporate Engineering</i></p> <p>09/08/2021</p>

**Attachments**