



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **36912** | Service: **DTV** | Call **WSAZ-TV** | Channel: **22 (UHF)** |  
ID:  
File **0000028915**  
Number:  
FRN: **0018223693** | Date **05/04**  
Submitted: **/2020**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>GRAY TELEVISION LICENSEE, LLC</b> Doing Business As: GRAY TELEVISION LICENSEE, LLC	WSAZ 645 FIFTH AVENUE HUNTINGTON, WV 25701 United States	+1 (304) 697- 4780	robert. folliard@gray. tv	Limited Liability Company

## 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
<b>Samuel Hariton</b> <i>Widely, inc.</i>	4031 University Dr Suite 100 Fairfax, VA 22030 United States	+1 (339) 222-8107	sam.hariton@widely.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		WSAZ will be replacing its main transmission line, antenna, and transmitter, its aux antenna. The station will be installing a broadband main antenna and broadband interim antenna to be shared with WQCW. The station will also be installing an interim XMTR

**Transmitters**

Section	Question	Response
Transmitter Related Expenses	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	DCX- Millenium
	Year	2003
	Type	Inductive Output Tube
	IOT Power Type	Three
	Power Capacity	60 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?	No
	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 transmitter cannot be retuned

**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	500 kVA
	Rigid Conduit and Wiring	Yes
	Size	4 inches
	Length	200.0 feet
	Other Electrical Service	Yes

	Description	The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.
<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
<b>Ice Bridge Building Interconnect</b>	Ice Bridge for interconnection between buildings
<b>Basic Site Survey</b>	Basic site survey by GatesAir for planning transmitter(s) installation

<b>BGS</b>	Burk Transmitter Remote WSAZ
<b>Pad for Heat Exchangers</b>	Pad for Heat Exchangers behind new Building

**Interim  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-30
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	19.2 kW
	Justification for New Transmitter	Interim transmitter needed to broadcast during the transition

**Interim  
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)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes

	Description	The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractor.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	20 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?	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
<b>Inside RF System</b>	Is an additional interior RF system required to support this interim transmitter?	No

**Interim  
Transmitter**

**Other Transmitter Cost Not Listed**

Name	Description
Building Renovation	Renovate OLD building to install Interim facility



<b>Tower to interim building ice bridge</b>	Tower to interim building ice bridge
<b>Waveguide Switch for Interim</b>	UHF Inside RF System including switching
<b>Site Prep</b>	Site prep for Construction

**Antennas**

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

**Auxiliary  
Antenna****Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	Backup Antenna
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	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	Side Mount
	Antenna position in stack	Not in Stack
	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)	724.0 kW

Manufacturer	
Model	TFU- 20DSC-R 04
Year	2002

## Auxiliary Antenna

### New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Auxiliary (Backup)
	Description of Use	Backup Antenna
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	2
	Number of Panels/Bays	2
	Lower Limit	476.00 MHz
	Upper Limit	530.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	546.0 kW
	Manufacturer	

Model	SBB-24C170
Year	2017
Justification for New Antenna	Needed for interim operations

## Auxiliary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	2
	Frequencies of channels supported	Upper and lower frequency
	Frequency	476.0 MHz - 530.0 MHz
	Do you need a combiner output splitter /switcher for dual feed lines?	No
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	6 1/8 inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power 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

**Auxiliary  
Antenna**

**Other Antenna Cost Not Listed**

Name	Description
Ice Shield	Ice Shield over Coax into old Building for interim

**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	Not in Stack
	Polarization	Elliptical
	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) .....	595.0 kW



Manufacturer	
Model	ATW28H3- ETO-23H Trasar
Year	2010

## 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?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	2
	Number of Panels/Bays	64
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	640.0 kW
	Manufacturer	
	Model	PEPSIL60D

	Year	2018
	Justification for New Antenna	Main antenna cannot be retuned, combining with WQCW

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	2
	Frequencies of channels supported	Upper and lower frequency
	Frequency	470.0 MHz - 698.0 MHz
	Do you need a combiner output splitter /switcher for dual feed lines?	No
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	8 3/16 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 Information not provided.
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**Transmission Line**

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

**Auxiliary  
Transmission Line**

**Existing Transmission Line**

Section	Question	Response
<b>Existing Transmission Line Description</b>	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Backup
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	Yes
	Is Transmission Line in operating condition?	Yes
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	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	970 feet per run

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

Facility ID	Call Sign
65130	WQCW

Auxiliary  
Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Auxiliary (Backup)
	Description of Use	Backup and Interim
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	960 feet per run
	Justification for New Transmission Line	Needed for interim broadcasting

Auxiliary  
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Sweep Existing Transmission Line	Sweep of existing transmission line to determine viability on new channel(s)

**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	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	Yes
	Is Transmission Line in operating condition?	Yes
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	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	1022 feet per run

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

Facility ID	Call Sign
65130	WQCW



**Primary** **New Transmission Line**  
**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	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1022 feet per run
	Justification for New Transmission Line	The current line will not support the combined RF power for two full power transmitters.

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

Information not provided.

**Tower  
Equipment  
And  
Rigging  
Costs**

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

**Primary  
Tower**

**Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1035121
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	38° 30' 36.3" N-
	Longitude (NAD83)	082° 13' 09.5" W-
	Overall Structure Height	1029.84 feet
	Support Structure Height	966.20 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1011.14 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	Gray Television Group, Inc.
Date Constructed	10/27/2014

### 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:	Major Reinforcements needed

### Primary Tower

#### Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	No

### Primary Tower

#### Other Tower Expenses Not Listed

Name	Description
Tower Mapping	Mapping of existing tower.

**Outside  
Professional Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	900
	Explanation	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	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	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	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes

	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

**Outside Professional Services Costs**      **Other Professional Services Expenses Not Listed**

If wireless is not provided.

## 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	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	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
Tree Removal		Removal of Trees for Tagline Rigging
Security		Security for Site 60 Days

## 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>Interim Transmitter ULXTE-30</b>	<b>\$836,736.18</b>	<b>\$715,359.72</b>		<b>\$631,459.30</b>	
Site Prep	<i>\$10,600.00</i>	\$10,600.00	N/A	\$932.40	N/A
Waveguide Switch for Interim	<i>\$50,000.00</i>	\$50,000.00	N/A	N/A	N/A
Building Renovation	<i>\$38,412.13</i>	\$38,412.13	see Estimated Cost Justification WSAZ-180-Building renovations Interim Transmitter v0	\$38,412.13	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$562,623.54	N/A	\$542,962.63	N/A
Tower to interim building ice bridge	<i>\$6,917.55</i>	\$6,917.55	See attached Steel Products and Manufacturing quote #003 for Ice Bridge between tower and analog transmitter building.	\$4,345.64	N/A



Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractor.	<b>\$2,000.00</b>	\$2,000.00	N/A	\$0.00	N/A
Other -- HVAC Service Type: C Size:20 (Other)	<b>\$44,806.50</b>	\$44,806.50	20 ton split system shared cost with WQCW. Please see Maynard C. Smith Construction Quote WSAZ- HVACRev1. This quote has been uploaded into LMS and is attached to the submitted invoice.	\$44,806.50	N/A
<b>Primary Transmitter ULXTE-72</b>	<b>\$1,724,663.99</b>	<b>\$1,431,891.50</b>		<b>\$1,253,977.38</b>	

Pad for Heat Exchangers	<b>\$74,256.50</b>	\$74,256.50	See Maynard C. Smith Construction Co. Revised Quote WSAZ-SOG101rev3. This is half the cost, other half paid by WQCW	\$74,256.50	N/A
BGS	<b>\$2,838.00</b>	\$2,838.00	See attached BGS quote	N/A	N/A
Basic Site Survey	<b>\$9,000.00</b>	\$9,000.00	See vendor invoice	\$8,538.60	N/A
Ice Bridge Building Interconnect	<b>\$12,250.00</b>	\$12,250.00	This is half the cost, other half paid by WQCW. Revised quote uploaded.	\$12,250.00	N/A
Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	<b>\$84,719.49</b>	\$84,719.49	Whitt-Meadows quote; see invoice Whitt-Meadows Electric, Inc. 9341 & 9388	\$67,914.59	N/A
Transformer 3 phase/480v - 500 KVA	\$48,400.00	\$46,000.00	N/A	\$18,915.77	N/A

4" Rigid Conduit and Wiring (Cost per foot)	\$20,200.00	\$19,200.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,183,627.51	per Estimated Cost Justification WSAZ-110-New 1st Primary Transmitter v0	\$1,072,101.92	N/A
<b>Sub-total</b>	\$2,561,400.17	\$2,147,251.22	N/A	\$1,885,436.68	N/A
<b>Total for all systems</b>	\$5,351,451.20	\$4,164,142.05	N/A	\$2,952,834.55	N/A

## Components

Actual Information	
Description	File Name
Site Prep	<p><b>Component Description:</b> 2001010 259 COMPACT TRACK LOADER</p> <p><b>Amount:</b> \$932.40</p>
Waveguide Switch for Interim	Information not provided.

Building Renovation	<b>Component Description:</b>	Hours Labor - John M. 1/3/20
	<b>Amount:</b>	\$408.11
	<b>Component Description:</b>	Furnish and install downspout, cover wood fascia
	<b>Amount:</b>	\$1,115.02
	<b>Component Description:</b>	Quote # 01. WSAZ Transmitter - Interior Demolition
	<b>Amount:</b>	\$36,889.00
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	<b>Component Description:</b>	Interim Transmitter - UKLTE-30
	<b>Amount:</b>	Transmitter - 70% \$361,881.52
	<b>Component Description:</b>	ULXTE-30 Transmitter
	<b>Amount:</b>	\$139,131.64
	<b>Component Description:</b>	ULXTE-30 Transmitter per Quote Q-76430
	<b>Amount:</b>	\$41,949.47
Tower to interim building ice bridge	<b>Component Description:</b>	Quote #08 WSAZ Ice Bridge Expansion
	<b>Amount:</b>	\$4,345.64

Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractor.	Information not provided.	
Other -- HVAC Service Type: C Size:20 (Other)	<b>Component Description:</b>	Quote 04: WSAZ transmitter HVAC101Rev1
	<b>Amount:</b>	\$44,806.50
Pad for Heat Exchangers	<b>Component Description:</b>	Quote #2 WSAZ SOG101Rev5
	<b>Amount:</b>	\$74,256.50
BGS	Information not provided.	
Basic Site Survey	<b>Component Description:</b>	Field Engineering Fees
	<b>Amount:</b>	\$8,538.60
Ice Bridge Building Interconnect	<b>Component Description:</b>	Quote #03 WSAZ Ice Bridge Rev 3
	<b>Amount:</b>	\$12,250.00
Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	<b>Component Description:</b>	Labor and materials
	<b>Amount:</b>	\$9,876.01
	<b>Component Description:</b>	Hours Labor
	<b>Amount:</b>	\$1,463.04

<b>Component Description:</b>	HOURS LABOR- MARK H.-4/22/19
<b>Amount:</b>	\$2,233.21

<b>Component Description:</b>	Hours labor
<b>Amount:</b>	\$9,127.57

<b>Component Description:</b>	Hours Labor
<b>Amount:</b>	\$8,749.67

<b>Component Description:</b>	NEEPB-700 D 2 1 /2" Bushing
<b>Amount:</b>	\$19,625.76

<b>Component Description:</b>	Please deny this invoice
<b>Amount:</b>	N/A

<b>Component Description:</b>	Please deny this invoice
<b>Amount:</b>	N/A

<b>Component Description:</b>	Professional services
<b>Amount:</b>	\$3,644.00

<b>Component Description:</b>	Copper Strap, 3in. x .032in. x 100ft.
<b>Amount:</b>	\$869.00

<b>Component Description:</b>	Demo install new lights underground conduits
<b>Amount:</b>	\$5,064.64

	<b>Component Description:</b> Set tranfer switch-stored material, hours labor <b>Amount:</b> \$7,261.69
Transformer 3 phase/480v - 500 KVA	<b>Component Description:</b> WSAZ-110-Transformer New 1st Primary Transmitter <b>Amount:</b> \$8,324.71  <b>Component Description:</b> WIRE NEW TRANSFORMER FOR WSAZ <b>Amount:</b> \$10,591.06
4" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

UHF - Liquid Cooled Solid  
State Transmitter 35 - 50  
kW

**Component Description:** A. Transmitter  
**Amount:** \$270,559.88

**Component Description:** DEMO EXISTING  
WSAZ  
TRANSMITTER  
**Amount:** \$462.00

**Component Description:** FREIGHT  
**Amount:** \$980.23

**Component Description:** 5 GAL Distilled  
**Amount:** \$1,542.65

**Component Description:** 04/24/2019  
7872628 BOTTLE  
DEPOSIT 30 @  
7.00  
**Amount:** \$451.89

**Component Description:** ULXTE-72  
Transmitter  
**Amount:** \$798,105.27

**Component Description:** ULXTE-72  
Transmitter  
**Amount:** \$110,931.22



## 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 PEPSIL60D</b>	<b>\$877,880.00</b>	<b>\$427,200.00</b>		<b>\$131,008.95</b>	
Sweep test of existing antenna	\$6,730.00	\$3,200.00	N/A	\$1,760.00	N/A
UHF - High Power Top Mount (200-1000 kW), Two Station broadband panel antenna, elliptically or circularly polarized	\$768,000.00	\$365,000.00	WSAZ's half of the cost	\$129,248.95	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$50,000.00	WSAZ's half of the cost	N/A	N/A
Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	\$18,950.00	\$9,000.00	WSAZ's half of the cost	N/A	N/A
<b>Auxiliary Antenna SBB-24C170</b>	<b>\$220,375.63</b>	<b>\$226,713.26</b>		<b>\$187,934.44</b>	

Ice Shield	<b>\$16,960.00</b>	\$16,960.00	WSAZ's half of the cost	\$10,654.35	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$11,000.00	WSAZ's half of the cost	\$4,000.00	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$6,500.00	WSAZ's half of the cost	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$4,718.54	see Estimated Cost Justification WSAZ-250-Sweep test New Auxiliary Antenna v0	\$4,078.54	N/A
UHF " Broadband Panel, Side Mount Auxiliary /Interim, 546 horizontally polarized	<b>\$75,635.63</b>	\$75,635.63	Per DTVPros quote JEHQ1438. This cost is split 50/50 with WQCW	\$74,547.51	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$111,899.09	WSAZ's half of the cost per quote Q-76353r1	\$94,654.04	X
<b>Sub-total</b>	<b>\$1,098,255.63</b>	<b>\$653,913.26</b>	N/A	<b>\$318,943.39</b>	<b>N/A</b>

<b>Total for all systems</b>	\$5,351,451.20	\$4,164,142.05	N/A	\$2,952,834.55	N/A
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## Components

Actual Information	
Description	File Name
Sweep test of existing antenna	<p><b>Component Description:</b> WSAZ-210-Sweep test New Primary Antenna</p> <p><b>Amount:</b> \$800.00</p> <p><b>Component Description:</b> Sweep Test</p> <p><b>Amount:</b> \$960.00</p>
UHF - High Power Top Mount (200-1000 kW), Two Station broadband panel antenna, elliptically or circularly polarized	<p><b>Component Description:</b> UHF-HIGH POWER TOP MOUNT (200-1000KW)</p> <p><b>Amount:</b> \$62,731.75</p> <p><b>Component Description:</b> New primary antenna UHF High Power Top Mount (200-1000kW)</p> <p><b>Amount:</b> \$66,517.20</p>
New combiner, cost per channel (without antenna)	Information not provided.
Elbow complex, broadband, at antenna input, per 8 3 /16. feedline (if needed)	Information not provided.
Ice Shield	<p><b>Component Description:</b> Ice shield New Auxillary Antenn</p> <p><b>Amount:</b> \$10,654.35</p>

Side mount brackets for high power antennas (if not included in antenna base cost)	<div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> ANTENNA MOUNT  \$2,000.00 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> Antenna Mount  \$2,000.00 </div> </div>
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.
Sweep test of existing antenna	<div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> WSAZ-Sweep Test New Auxiliary Antenna  \$800.00 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> WSAZ-250-Sweep test New Auxiliary Antenna  \$1,518.54 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> WSAZ-250-Sweep test New Auxiliary Antenna  \$800.00 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> Sweep test New Auxiliary Antenna  \$960.00 </div> </div>

UHF 48" Broadband Panel, Side Mount Auxiliary /Interim, 546 horizontally polarized	<b>Component Description:</b>	UHF - BROADBAND PANEL, SIDE MOUNT AUX /INTERIM
	<b>Amount:</b>	\$18,908.91
	<b>Component Description:</b>	UHF - Broadband Panel
	<b>Amount:</b>	\$14,039.00
	<b>Component Description:</b>	UHF - BROADBAND PANEL, SIDE MOUNT AUX /INTERIM
	<b>Amount:</b>	\$22,690.69
	<b>Component Description:</b>	UHF - Broadband Panel, Side Mount Aux/Interim Antenna
	<b>Amount:</b>	\$18,908.91
New combiner, cost per channel (without antenna)	<b>Component Description:</b>	Interim Channel Combiner
	<b>Amount:</b>	\$16,324.68
	<b>Component Description:</b>	Interim Channel Combiner
	<b>Amount:</b>	\$78,329.36

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
Primary Transmission Line	\$407,778.00	\$193,669.00		\$120,569.75	
Rigid Transmission Line - copper, 8 3 /16" broadband	\$407,778.00	\$193,669.00	WSAZ's half of the cost	\$120,569.75	N/A
Auxiliary Transmission Line	\$225,720.00	\$153,921.02		\$90,947.34	
Rigid Transmission Line - copper, 6 1 /8" broadband	\$222,720.00	\$150,921.02	WSAZ's half of the cost, per quote	\$88,303.74	N/A
Sweep Existing Transmission Line	\$3,000.00	\$3,000.00	See vendor invoice	\$2,643.60	N/A
Sub-total	\$633,498.00	\$347,590.02	N/A	\$211,517.09	N/A
Total for all systems	\$5,351,451.20	\$4,164,142.05	N/A	\$2,952,834.55	N/A

Components

Actual Information Description	File Name
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Rigid Transmission Line -  
copper, 8 3/16" broadband

**Component Description:** MACX875B-1  
**Amount:** \$37,459.13

**Component Description:** LEASE CYL INO  
LARGE  
**Amount:** \$192.60

**Component Description:** 20 foot MACXLine  
section  
**Amount:** \$37,459.13

**Component Description:** LEASE CYL IND  
LARGE  
**Amount:** \$187.25

**Component Description:** New Primary  
Transmission Line  
**Amount:** \$44,950.93

**Component Description:** LABOR AND  
SUPPLIES  
**Amount:** \$320.71

Rigid Transmission Line - copper, 6 1/8" broadband	<div> <b>Component Description:</b> RIGID TRANSMISSION LINE - COPPER         </div> <div> <b>Amount:</b> \$18,865.12         </div>
	<div> <b>Component Description:</b> Rigid Transmission Line - Copper         </div> <div> <b>Amount:</b> \$18,865.12         </div>
	<div> <b>Component Description:</b> New Auxiliary Transmission Line         </div> <div> <b>Amount:</b> \$22,638.15         </div>
	<div> <b>Component Description:</b> Rigid Transmission Line         </div> <div> <b>Amount:</b> \$27,935.35         </div>
Sweep Existing Transmission Line	<div> <b>Component Description:</b> Sweep test of transmission line and antenna         </div> <div> <b>Amount:</b> \$2,643.60         </div>



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
Primary Tower GTOWER	\$661,060.00	\$636,210.00		\$242,869.62	
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	\$196,264.62	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	\$15,245.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$19,250.00	Includes state and local taxes; Hodge Proposal 2019-Gray-WSAZ-Geotech-0102-N	\$19,250.00	N/A
Tower Mapping	\$16,960.00	\$16,960.00	N/A	\$12,110.00	N/A
Sub-total	\$661,060.00	\$636,210.00	N/A	\$242,869.62	N/A
Total for all systems	\$5,351,451.20	\$4,164,142.05	N/A	\$2,952,834.55	N/A

Components

Actual Information	
Description	File Name

Tall Tower (greater than 500')		
	<b>Component Description:</b>	Install antennas and lines on Existing Primary Tower
	<b>Amount:</b>	\$41,056.25
	<b>Component Description:</b>	Tower Rigging Services - Tall tower 500'
	<b>Amount:</b>	\$123,168.75
	<b>Component Description:</b>	Added cost for tower crew to remove eng antenna
	<b>Amount:</b>	\$14,293.75
	<b>Component Description:</b>	RF Technical work to bef performed during interim antenna installation
	<b>Amount:</b>	\$5,245.87
	<b>Component Description:</b>	Professional Engineering Services
	<b>Amount:</b>	\$12,500.00

Major tower reinforcement /modifications	<div> <b>Component Description:</b> Phase 1. Provide plan view of the antenna power divider installed withi the WSAZ tower. </div> <div> <b>Amount:</b> \$3,450.00 </div>
	<div> <b>Component Description:</b> Engineering Materials &amp; Freight </div> <div> <b>Amount:</b> \$9,295.00 </div>
	<div> <b>Component Description:</b> Install antennas and lines on Existing Primary Tower </div> <div> <b>Amount:</b> \$2,500.00 </div>
Structural engineering tower load study for well documented tower	<div> <b>Component Description:</b> Engineering Evaluation, Level 1 Corrosion Risk Analysis </div> <div> <b>Amount:</b> \$4,000.00 </div>
	<div> <b>Component Description:</b> Engineering Evaluation, Level 1 Corrosion Risk Analysis </div> <div> <b>Amount:</b> \$4,000.00 </div>
	<div> <b>Component Description:</b> Rigorous Analysis </div> <div> <b>Amount:</b> \$2,250.00 </div>
	<div> <b>Component Description:</b> GeoTech Survey Foundation Analysis </div> <div> <b>Amount:</b> \$9,000.00 </div>

Tower Mapping		
	<b>Component Description:</b>	Tower Mapping
	<b>Amount:</b>	\$7,610.00
	<b>Component Description:</b>	Tower mapping
		Existing Primary
		Tower
	<b>Amount:</b>	\$4,500.00

**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>\$185,015.00</b>	<b>\$175,250.00</b>		<b>\$137,869.35</b>	
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$557.00	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$196.50	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	\$725.00	N/A

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	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	\$1,100.00	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,862.50	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	\$962.00	N/A

Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$142,200.00	\$135,000.00	N/A	\$126,997.35	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$4,299.50	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	\$1,169.50	N/A
<b>Sub-total</b>	\$185,015.00	\$175,250.00	N/A	\$137,869.35	N/A
<b>Total for all systems</b>	\$5,351,451.20	\$4,164,142.05	N/A	\$2,952,834.55	N/A

## Components

**Actual Information**  
**Description**

**File Name**

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	<b>Component Description:</b>  <b>Amount:</b>	Total Professional Services \$557.00
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<b>Component Description:</b>  <b>Amount:</b>	Complete and file initial repack CP application. \$196.50
Prepare request for Special Temporary Authorization	<b>Component Description:</b>  <b>Amount:</b>	WSAZ-530-RF Eng STA \$725.00
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	<b>Component Description:</b>  <b>Amount:</b>   <b>Component Description:</b>  <b>Amount:</b>	WSAZ-530-RF Eng 2100 license to cover (main) \$850.00  Consulting Engineer \$250.00



RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<div> <div> <b>Component Description:</b> </div> <div> support response to review of reimbursement form 399 provide summaries of additional antenna </div> </div> <div> <b>Amount:</b> </div> <div> \$375.00 </div> <div> <b>Component Description:</b> </div> <div> RF Consulting Fees </div> <div> <b>Amount:</b> </div> <div> \$1,487.50 </div>
Address transition timing and coordination issues w/ other stations and wireless	<div> <div> <b>Component Description:</b> </div> <div> Review linked set information for WSAZ </div> </div> <div> <b>Amount:</b> </div> <div> \$962.00 </div>
Prepare and or review reimbursement form	Information not provided.
Project management of the transition	<div> <div> <b>Component Description:</b> </div> <div> Transition Related Project Management Costs </div> </div> <div> <b>Amount:</b> </div> <div> \$1,500.00 </div> <div> <b>Component Description:</b> </div> <div> Project Mgt </div> <div> <b>Amount:</b> </div> <div> \$839.75 </div> <div> <b>Component Description:</b> </div> <div> Project Management </div> <div> <b>Amount:</b> </div> <div> \$3,016.15 </div>

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,742.20

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,841.95

<b>Component Description:</b>	Mailing: Print and mail a two page, black and white generically addressed letter
<b>Amount:</b>	\$2,877.50

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$5,479.40

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$4,072.30

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$6,372.10

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$5,925.75

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,533.40

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$7,088.40

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,899.50

<b>Component Description:</b>	Project management
<b>Amount:</b>	\$2,675.15

<b>Component Description:</b>	Project Mgt
<b>Amount:</b>	\$28.20

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,006.25

<b>Component Description:</b>	Cost Reconciliation
<b>Amount:</b>	\$3,501.45

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$4,831.90

<b>Component Description:</b>	Project Mgt
<b>Amount:</b>	\$733.30

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,930.60

<b>Component Description:</b>	Project management
<b>Amount:</b>	\$1,328.55

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,265.25

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,968.10

<b>Component Description:</b>	Project management
<b>Amount:</b>	\$2,231.90

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,270.10

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,452.40

<b>Component Description:</b>	Project Mgt
<b>Amount:</b>	\$2,942.30

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,473.35

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$5,979.40

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,958.55

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$8,045.05

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,270.60

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,285.40

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$4,989.45

<b>Component Description:</b>	Cost Reconciliation
<b>Amount:</b>	\$3,496.70

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$4,329.75

<b>Component Description:</b>	Project Mgt
<b>Amount:</b>	\$1,326.45

<b>Component Description:</b>	Project Mgt
<b>Amount:</b>	\$3,488.80

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Perform engineering study  
for new channel  
assignment and antenna  
development

**Component Description:**

Consulting  
Engineer

**Amount:**

\$425.00

**Component Description:**

Provide additional  
FCC contour

**Amount:**

\$150.00

**Component Description:**

Consulting  
Engineer- J. Davis  
- Hourly ( @ \$250  
/hr)

**Amount:**

\$550.00

**Component Description:**

Perform  
engineering study  
for new channel  
assignment

**Amount:**

\$812.50

**Component Description:**

Review proposed  
antenna  
specifications from  
additional vendor,  
discuss vendor and  
prompt  
recalculation of  
gain required TPO.

**Amount:**

\$125.00

**Component Description:**

Engineering Study  
for New Channel  
Assignment

**Amount:**

\$1,062.00

**Component Description:**

Consulting  
Engineer

**Amount:**

\$1,175.00

FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.								
ASR modification (prepare FCC Form 854)	Information not provided.								
Attorney Fees - Prepare and File request for Special Temporary Authorization	<table> <tr> <td><b>Component Description:</b></td><td>Total Professional Services</td></tr> <tr> <td><b>Amount:</b></td><td>\$962.00</td></tr> <tr> <td><b>Component Description:</b></td><td>Professional Services</td></tr> <tr> <td><b>Amount:</b></td><td>\$207.50</td></tr> </table>	<b>Component Description:</b>	Total Professional Services	<b>Amount:</b>	\$962.00	<b>Component Description:</b>	Professional Services	<b>Amount:</b>	\$207.50
<b>Component Description:</b>	Total Professional Services								
<b>Amount:</b>	\$962.00								
<b>Component Description:</b>	Professional Services								
<b>Amount:</b>	\$207.50								

## 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>\$212,222.40</b>	<b>\$203,927.55</b>		<b>\$156,198.42</b>	
Tree Removal	<i>\$12,349.00</i>	\$12,349.00	N/A	\$12,349.00	Sub-total equals Estimated Cost
MVPD Notification of Channel Change	<i>\$2,000.00</i>	\$2,000.00	Per Estimated Cost Justification WSAZ-610-MVPD Notification v0	\$2,000.00	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$98,320.36</i>	\$98,320.36	see Estimated Cost Justification WSAZ-610-Disposal Costs v4	\$98,320.36	Invoices total estimate.
Equipment Delivery and Handling Charges	<i>\$35,413.04</i>	\$35,413.04	Per Estimated Cost Justification WSAZ-610-Equipment Delivery v2	\$35,413.04	N/A
Security	<i>\$9,000.00</i>	\$9,000.00	Cost shared between stations	\$5,045.07	N/A
DTV Medical Facility Notification	\$11,550.00	\$3,050.15	N/A	N/A	N/A



FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$335.00	see Estimated Cost Justification WSAZ-610-License to Cover FCC Filing Fees v0	\$335.00	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$400.00	Please see Estimated Cost Justification WSAZ-610-STA FCC Filing Fees v0	\$400.00	N/A
Non-zoning permits	<b>\$11,660.00</b>	\$11,660.00	N/A	N/A	N/A
Equipment Storage	<b>\$21,400.00</b>	\$21,400.00	Storage Rates Central Van and Storage quote	\$2,046.05	N/A
Develop and air announcement of upcoming channel change	<b>\$10,000.00</b>	\$10,000.00	N/A	\$289.90	N/A
<b>Sub-total</b>	\$212,222.40	\$203,927.55	N/A	\$156,198.42	N/A
<b>Total for all systems</b>	\$5,351,451.20	\$4,164,142.05	N/A	\$2,952,834.55	N/A

## Components

**Actual Information**  
**Description**

**File Name**

Tree Removal	<b>Component Description:</b> <b>Amount:</b>	Clear cut NE corner \$1,908.00
	<b>Component Description:</b> <b>Amount:</b>	Barker Ridge - clear cut back side of Tower site \$5,300.00
	<b>Component Description:</b> <b>Amount:</b>	Trees cut X3 - pin oak - left side of tower \$4,452.00
	<b>Component Description:</b> <b>Amount:</b>	Tree removal - SE corner \$689.00
MVPD Notification of Channel Change	<b>Component Description:</b> <b>Amount:</b>	Total Professional Services \$2,000.00
Disposal Costs (for equipment and other waste, net of any salvage value)	<b>Component Description:</b> <b>Amount:</b>	1 Waste Container Rental \$101.25
	<b>Component Description:</b> <b>Amount:</b>	1 waste container 40 Cu Yd, on call service \$101.50
	<b>Component Description:</b> <b>Amount:</b>	1 Waste Container 40 Cu Yd, On Call Service \$685.16

<b>Component Description:</b>	"1 Waste Container 40 Cu Yd, On Call Service Rental 07 /01-07/31"
<b>Amount:</b>	\$100.71

<b>Component Description:</b>	Fee Fuel Surcharge
<b>Amount:</b>	\$1,245.30

<b>Component Description:</b>	1 Waste Container
<b>Amount:</b>	\$804.91

<b>Component Description:</b>	1 Waste Container 40 Cu Yd, On Call Service
<b>Amount:</b>	\$872.47

<b>Component Description:</b>	1 Waste Container 40 Cu Yd, On Call Service
<b>Amount:</b>	\$101.43

<b>Component Description:</b>	1 Waste Container 40 Cu Yd, On Call Service
<b>Amount:</b>	\$100.71

<b>Component Description:</b>	1 Waste Container 40 Cu Yd
<b>Amount:</b>	\$101.25

<b>Component Description:</b>	TANK 550GAL UPRIGHT
<b>Amount:</b>	\$953.98

<b>Component Description:</b>	Fee Fuel Surcharge
<b>Amount:</b>	\$1,139.30

	<b>Component Description:</b>	1 Waste Container
	<b>Amount:</b>	\$101.43
	<b>Component Description:</b>	1 Waste Container
		40 Cu Yd. On Call
		Service
	<b>Amount:</b>	\$782.43
	<b>Component Description:</b>	Removal of old
		television tower at
		Barkers Ridge
		Facility
	<b>Amount:</b>	\$7,240.00
	<b>Component Description:</b>	1 Waste Container
	<b>Amount:</b>	\$735.47
	<b>Component Description:</b>	Quote # WSAZ
		Demo
	<b>Amount:</b>	\$83,000.00
	<b>Component Description:</b>	1 Waste Container
		40 Cu Yd, On Call
Equipment Delivery and Handling Charges		Service
	<b>Amount:</b>	\$153.06
	<b>Component Description:</b>	4LID1#1451358,
		Zone 3 Delivery
		Charge
	<b>Amount:</b>	\$677.17
	<b>Component Description:</b>	Compact Track
	<b>Amount:</b>	Loader
		\$1,199.00

<b>Component Description:</b>	Rental Unit
<b>Amount:</b>	\$456.60
<b>Component Description:</b>	2071000 TL642 Telehandler
<b>Amount:</b>	\$2,511.00
<b>Component Description:</b>	Lift 19' Scissor
<b>Amount:</b>	\$381.60
<b>Component Description:</b>	LIFT 19' SCISSOR
<b>Amount:</b>	\$313.50
<b>Component Description:</b>	Fuel Charge
<b>Amount:</b>	\$162.50
<b>Component Description:</b>	2071010 TL943 Telehandler
<b>Amount:</b>	\$2,511.00
<b>Component Description:</b>	ZONE 3 DELIVERY CHARGE
<b>Amount:</b>	\$2,841.58
<b>Component Description:</b>	Equipment Rental
<b>Amount:</b>	\$2,694.00
<b>Component Description:</b>	Rental Items 2071010 TL943 TELEHANDLER
<b>Amount:</b>	\$489.45
<b>Component Description:</b>	Environmental Charge
<b>Amount:</b>	\$2,711.00

<b>Component Description:</b>	Rental Unit
<b>Amount:</b>	\$238.50

<b>Component Description:</b>	Telehandler
<b>Amount:</b>	\$2,511.00

<b>Component Description:</b>	Telehandler
<b>Amount:</b>	\$564.98

<b>Component Description:</b>	2071010 TL943 Telehandler
<b>Amount:</b>	\$1,674.00

<b>Component Description:</b>	2071000 TL642 TELEHANDLER
<b>Amount:</b>	\$2,494.00

<b>Component Description:</b>	Rental Items
<b>Amount:</b>	\$2,594.00

<b>Component Description:</b>	Rental of a TL642D Telehandler
<b>Amount:</b>	\$620.50

<b>Component Description:</b>	2073000 TH255 TELEHANDLER
<b>Amount:</b>	\$2,142.00

<b>Component Description:</b>	2LID1 #1451358, Zone 3 Delivery Charge
<b>Amount:</b>	\$692.05

	<b>Component Description:</b> 57 LID #1451451 Zone 3 Delivery Charge <b>Amount:</b> \$701.70
	<b>Component Description:</b> 2071010 TL943 TELEHANDLER <b>Amount:</b> \$489.45
	<b>Component Description:</b> 2071000 TL642 Telehandler <b>Amount:</b> \$568.90
	<b>Component Description:</b> 2071000 TL642 Telehandler <b>Amount:</b> \$2,511.00
	<b>Component Description:</b> 2 LID #1451358, Zone 3 Delivery Charge <b>Amount:</b> \$662.56
Security	<b>Component Description:</b> Security Officer <b>Amount:</b> \$151.05
	<b>Component Description:</b> SECURITY OFFICER <b>Amount:</b> \$4,894.02
DTV Medical Facility Notification	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	<b>Component Description:</b> WSAZ-610-License to Cover FCC Filing Fees <b>Amount:</b> \$335.00

FCC Filing Fees - Special Temporary Authorization request	<b>Component Description:</b> WSAZ-610-STA <b>Amount:</b> FCC Filing Fee \$400.00
Non-zoning permits	Information not provided.
Equipment Storage	<b>Component Description:</b> 40' STANDARD TRI CAM <b>Amount:</b> CONTAINER SN \$164.06  <b>Component Description:</b> 40' STANDARD TRI CAM <b>Amount:</b> CONTAINER \$1,107.46  <b>Component Description:</b> Uline pallet truck <b>Amount:</b> \$446.41  <b>Component Description:</b> 40' STANDARD TRI CAM <b>Amount:</b> CONTAINER QS40VZS0019 \$164.06  <b>Component Description:</b> 40' Standard Tri Cam Container <b>Amount:</b> \$164.06
Develop and air announcement of upcoming channel change	<b>Component Description:</b> Total Professional Services <b>Amount:</b> \$289.90



Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$5,351,451.20	\$4,164,142.05	\$2,952,834.55

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<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>Robert Folliard , III</b>  .  <i>Assistant Secretary</i></p> <p>05/04/2020</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>Robert Folliard , III</b> . <i>Assistant Secretary</i></p> <p>05/04/2020</p>

## Attachments