



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **4685** | Service: **DTV** | Call **WTAP-TV** | Channel: **35 (UHF)** |  
ID: | Sign:  
File **0000028742**  
Number:  
FRN: **0018223693** | Date **03/24**  
Submitted: **/2020**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>GRAY TELEVISION LICENSEE, LLC</b>	WTAP-TV ONE TELEVISION PLAZA PARKERSBURG, WV 26101 United States	+1 (304) 485-4588	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</i>	Samuel Hariton 4031 University Dr Suite 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		The facility will be replacing the existing main transmitter, antenna, and transmission line and building an interim tower for the new interim transmitter, antenna, and transmission line.

**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	CD3100P1
	Year	2001
	Type	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	30 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	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	150 kVA
	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 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>Generator Relocation</b>	Relocation of existing generator system to facilitate reconfiguration of transmitter building.
<b>Remote Control System</b>	Remote control system for new transmitter.

<b>Transmitter building work</b>	Necessary building work for new mask filter.
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**Interim  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-60
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	31.7 kW
	Justification for New Transmitter	Interim transmitter needed to continue broadcasting through transition period.

**Interim  
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	300 kVA
	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 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
<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
Remote Control System	Remote control system for interim transmitter

**Antennas**

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

## Primary Antenna

### Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side 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) .....	315.0 kW

Manufacturer	
Model	ATW20H3- ESO-49 TRASAR
Year	2011

Primary  
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Side 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) .....	242.0 kW
	Manufacturer	

Model	TFU-18JSC /VP-R-04
Year	2020
Justification for New Antenna	Existing antenna cannot be retuned.

## 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	4
	Frequencies of channels supported	Upper and lower frequency
	Frequency	506.0 MHz - 602.0 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?	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?	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
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**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
<b>New Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	1
	Number of Panels/Bays	16
	Lower Limit	596.00 MHz
	Upper Limit	686.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	330.0 kW
	Manufacturer	
	Model	SBB- 16C170
	Year	2017

	Justification for New Antenna	So that the station may operate on either channel during the transition.
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**Interim  
Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	B
	Feed Line Size	4 1/16 inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an antenna?	Yes
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Interim  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**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	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	528 feet per run

**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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	620 feet per run
	Justification for New Transmission Line	Segment lengths do not match up with the new channel.

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

Information not provided.

**Interim**      **New Transmission Line**  
**Transmission Line**      **Section**

	Question	Response
<b>New Transmission Line Costs</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	4 1/16 inches
	Segment Length	Broadband
	Other Segment Length	
	Number of parallel runs	1
	Length	300 feet per run
	Justification for New Transmission Line	Interim transmission line needed so that the station may continue broadcasting during the transition period.

**Interim**      **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?	Yes
	One or more FM, AM or TV radio broadcaster(s)	No
	Others Types of Users	Yes
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1239800
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	39° 20' 59.8" N-
	Longitude (NAD83)	081° 33' 55.4" W-
	Overall Structure Height	462.92 feet
	Support Structure Height	459.97 feet
	Ground Elevation Above Mean Sea Level (AMSL)	970.13 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Gray Television Group, Inc.
Date Constructed	11/21/2003

### Other Types of Users

Users
Coast Guard
Ohio Marc
T-Mobile
WA CO Sheriff
WIYE-LD 130392
WOVA-LD 125125
Warren Vol Fire
Wood Co Sherrif
Wood EMG

### Primary Tower

### Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Serious Reinforcements needed

Primary  
Tower

Tower Rigging Costs

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

Primary  
Tower

Other Tower Expenses Not Listed

Name	Description
Level II corrosion	Level II corrosion testing
Move Equipment	Remove and install existing main and aux equipment
Replace Main Antenna	Remove existing main antenna and install new main antenna.
Anode Grounding System	Anode grounding system based upon corrosion testing

**Interim  
Tower**

**Tower Construction Costs**

Section	Question	Response
Construct New Tower	Use	Interim
	Description of Use	N/A
	Height	240.00 feet
	Justification for New Tower	Existing tower cannot take the weight of any more equipment.

**Interim  
Tower**

**Tower Rigging Costs**

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

**Interim  
Tower**

**Other Tower Expenses Not Listed**

Name	Description
Ice Bridge	Additional ice bridge for heat exchangers. 15'x20'
Interim Antenna Installation	Installation of interim antenna and associated transmission line

**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 and antenna RF consultant for selection of feed line antennas.
<b>Outside RF consulting Engineering Services</b>	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes

	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	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**

Name	Description
Attorney Fees - Other Matters	Legal Services

## 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	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
<b>Other Miscellaneous Expenses</b>	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other  
Expenses

Other Expenses Not Listed

Name	Description
Fencing	Erect fence extension around relocated generator

## 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-60</b>	<b>\$2,742,337.67</b>	<b>\$1,959,683.30</b>		<b>\$1,055,832.93</b>	
Remote Control System	<i>\$9,006.86</i>	\$9,006.86	N/A	\$0.00	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.	<i>\$8,243.11</i>	\$8,243.11	Please see Estimated Cost Justification WTAP-180-Electrical Service Interim Transmitter v0	\$8,243.11	N/A
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$3,166.60	Remainder of the transformer plus tax supported by GatesAir Quote Q-77381	\$3,166.60	N/A
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	<i>\$1,215,287.70</i>	\$1,215,287.70	GatesAir Quote Q-80474	\$320,444.19	N/A

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$723,979.03	***System Notice: Estimate adjusted and locked because line has been superseded. ***	\$723,979.03	N/A
<b>Primary Transmitter ULXTE-50</b>	<b>\$1,229,874.81</b>	<b>\$1,212,367.13</b>		<b>\$1,027,730.75</b>	
Transmitter building work	<b>\$15,900.00</b>	\$15,900.00	N/A	\$3,748.61	N/A
Remote Control System	<b>\$9,046.86</b>	\$9,046.86	N/A	\$0.00	N/A
Generator Relocation	<b>\$21,843.29</b>	\$21,843.29	Please see Estimated Cost Justification WTAP-110- Genset relocation New 1st Primary Transmitter v0	\$11,118.03	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>\$287,500.00</b>	\$287,500.00	N/A	\$150,618.73	N/A
Transformer 3 phase/480v - 150 KVA	\$25,550.00	\$8,042.32	per GatesAir Quote Q-77380 (includes estimated tax)	\$8,040.32	N/A
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	<b>\$870,034.66</b>	\$870,034.66	GA-0002297r2	\$854,205.06	N/A
<b>Sub-total</b>	\$3,972,212.48	\$3,172,050.43	N/A	\$2,083,563.68	N/A
<b>Total for all systems</b>	\$7,038,699.56	\$5,965,496.26	N/A	\$2,932,558.72	N/A

## Components

Actual Information	
Description	File Name
Remote Control System	Information not provided.

<p>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.</p>	<table> <tr> <td data-bbox="713 100 1145 291"><b>Component Description:</b></td><td data-bbox="1145 100 1428 291">WTAP-180- Electrical Service Interim</td></tr> <tr> <td data-bbox="713 291 1145 443"><b>Amount:</b></td><td data-bbox="1145 291 1428 443">Transmitter \$8,243.11</td></tr> </table>	<b>Component Description:</b>	WTAP-180- Electrical Service Interim	<b>Amount:</b>	Transmitter \$8,243.11
<b>Component Description:</b>	WTAP-180- Electrical Service Interim				
<b>Amount:</b>	Transmitter \$8,243.11				
<p>Transformer 3 phase/480v - 300 KVA</p>	<table> <tr> <td data-bbox="713 443 1145 633"><b>Component Description:</b></td><td data-bbox="1145 443 1428 633">WTAP-180- Transformer - Interim Transmitter</td></tr> <tr> <td data-bbox="713 633 1145 736"><b>Amount:</b></td><td data-bbox="1145 633 1428 736">\$3,166.60</td></tr> </table>	<b>Component Description:</b>	WTAP-180- Transformer - Interim Transmitter	<b>Amount:</b>	\$3,166.60
<b>Component Description:</b>	WTAP-180- Transformer - Interim Transmitter				
<b>Amount:</b>	\$3,166.60				

UHF - Liquid Cooled Solid  
State Transmitter 31.7 kW

**Component Description:** ANVIL  
AS026ODN 15  
/80D  
**Amount:** \$43.13

**Component Description:** A. Transmitter  
**Amount:** \$317,609.25

**Component Description:** CELLO BP7-24 11  
/2 PRESS 90  
ELBOW  
**Amount:** \$106.76

**Component Description:** WTAP-180-  
Interim Transmitter  
**Amount:** \$267.44

**Component Description:** Labor provided to  
relocate the  
downspout  
**Amount:** \$958.00

**Component Description:** WTAP-180-  
Interim Transmitter  
**Amount:** \$200.55

**Component Description:** WTAP-180-  
Interim Transmitter  
**Amount:** \$1,103.06

**Component Description:** 5 Gal/Distilled  
**Amount:** \$156.00

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	<b>Component Description:</b> ULXTE-60 Transmitter <b>Amount:</b> \$723,979.03
Transmitter building work	<b>Component Description:</b> Labor and Materials <b>Amount:</b> \$378.61  <b>Component Description:</b> Labor and materials <b>Amount:</b> \$3,370.00
Remote Control System	Information not provided.
Generator Relocation	<b>Component Description:</b> Rigging and Relocating Emergency Generator <b>Amount:</b> \$4,186.49  <b>Component Description:</b> Stranded Aluminium Wire <b>Amount:</b> \$6,864.87  <b>Component Description:</b> Repack Engineering <b>Amount:</b> \$66.67
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> CH 600 Volt 800 Amp Service Entrance Rated Fused <b>Amount:</b> \$37,791.44

<b>Component Description:</b>	Panel Lot Price
<b>Amount:</b>	\$10,822.70

<b>Component Description:</b>	4" PVC Conduit
<b>Amount:</b>	\$17,956.63

<b>Component Description:</b>	TRANSFER SWITCH A59
<b>Amount:</b>	\$13,049.11

<b>Component Description:</b>	1 1" PVC Male Adapter
<b>Amount:</b>	\$5,222.20

<b>Component Description:</b>	Breaker
<b>Amount:</b>	\$16,576.72

<b>Component Description:</b>	2" EMT Conduit
<b>Amount:</b>	\$18,974.65

<b>Component Description:</b>	Provide 277/490V SVC to Customer
<b>Amount:</b>	\$9,108.04

<b>Component Description:</b>	Eaton Cutler Hammer 225 Amp 3 120/208 42
<b>Amount:</b>	\$4,764.36

<b>Component Description:</b>	WTAP-110- Electrical service New 1st Primary Transmitter
<b>Amount:</b>	\$300.83

	<b>Component Description:</b>	.5 EMT Conduit
	<b>Amount:</b>	\$16,052.05
Transformer 3 phase/480v - 150 KVA	<b>Component Description:</b>	WTAP-110- Transformer New 1st Primary Transmitter
	<b>Amount:</b>	\$8,040.32

UHF - Liquid Cooled Solid  
State Transmitter 31.7 kW

**Component Description:** ULXTE-50  
Transmitter  
**Amount:** \$606,056.59

**Component Description:** A. Transmitter  
**Amount:** \$245,249.03

**Component Description:** LEE BN34C  
2200N24-000  
**Amount:** \$80.81

**Component Description:** Kit, Transfer  
Pump 115V  
**Amount:** \$267.43

**Component Description:** XPR 10077699  
800 press  
**Amount:** \$183.26

**Component Description:** CER LH11210  
copper  
**Amount:** \$768.24

**Component Description:** XPR 10075080  
**Amount:** \$396.37

**Component Description:** WTAP-110-New  
1st Primary  
Transmitter  
**Amount:** \$300.83

**Component Description:** Rigging and Off  
Loading  
**Amount:** \$902.50

## 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>Interim Antenna SBB-16C170</b>	<b>\$267,830.00</b>	<b>\$154,983.53</b>		<b>\$58,789.52</b>	
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	\$0.00	N/A
Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	\$10,950.00	\$10,588.00	Includes state and local taxes	\$0.00	N/A
Sweep test of existing antenna	\$6,730.00	\$8,653.13	see Estimated Cost Justification WTAP-280-Sweep test Interim Antenna v0	\$5,773.13	N/A

UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized	\$227,000.00	\$113,742.40	See attached Quote	\$53,016.39	N/A
<b>Primary Antenna TFU-18JSC /VP-R-04</b>	<b>\$353,380.00</b>	<b>\$291,257.09</b>		<b>\$153,350.40</b>	
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$17,520.00	N/A	\$14,016.00	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$12,768.00	JEHQ1288- 03	\$10,214.40	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$67,049.09	N/A	\$0.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,120.00	N/A

UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized	\$227,000.00	\$187,520.00	See attached Quote	\$124,000.00	N/A
<b>Sub-total</b>	\$621,210.00	\$446,240.62	N/A	\$212,139.92	N/A
<b>Total for all systems</b>	\$7,038,699.56	\$5,965,496.26	N/A	\$2,932,558.72	N/A

## Components

Actual Information	
Description	File Name
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.
Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	Information not provided.

Sweep test of existing antenna	<div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> WTAP-280-Sweep test Interim Antenna  \$2,253.13 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> Sweep  \$1,600.00 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> Repack Sweep  \$1,920.00 </div> </div>
UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized	<div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> Rigging and offloading of RFS Interim antenna  \$200.55 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> UHF - Broadband panel, side mount Aux/Interim SBB-16C170 16 Bay Broadband UHF Side Mount Antenna  \$24,007.20 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> UHF - Broadband Panel, Side Mount Aux /Interim, Sweep - Repack, incl. Field Engineer  \$28,808.64 </div> </div>

Side mount brackets for high power antennas (if not included in antenna base cost)	<div> <b>Component Description:</b> WTAP-210-Side mount brackets New Primary Antenna         </div> <div> <b>Amount:</b> \$4,380.00         </div>
	<div> <b>Component Description:</b> WTAP-210-Side mount brackets New Primary Antenna         </div> <div> <b>Amount:</b> \$4,380.00         </div>
	<div> <b>Component Description:</b> Side mount brackets New Primary Antenna         </div> <div> <b>Amount:</b> \$5,256.00         </div>
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	<div> <b>Component Description:</b> WTAP-210-Elbow complex New Primary Antenna         </div> <div> <b>Amount:</b> \$3,192.00         </div>
	<div> <b>Component Description:</b> WTAP-210-Elbow complex New Primary Antenna         </div> <div> <b>Amount:</b> \$3,192.00         </div>
	<div> <b>Component Description:</b> WTAP-210-Elbow complex New Primary Antenna         </div> <div> <b>Amount:</b> \$3,830.40         </div>
New combiner, cost per channel (without antenna)	Information not provided.

Sweep test of existing antenna	<table> <tr> <td data-bbox="726 168 1029 212"><b>Component Description:</b></td><td data-bbox="1165 168 1364 280">WTAP-210-Sweep test New Primary Antenna</td></tr> <tr> <td data-bbox="726 291 837 336"><b>Amount:</b></td><td data-bbox="1165 291 1284 336">\$1,600.00</td></tr> <tr> <td data-bbox="726 425 1029 470"><b>Component Description:</b></td><td data-bbox="1165 425 1364 537">WTAP-210-Sweep test New Primary Antenna</td></tr> <tr> <td data-bbox="726 548 837 593"><b>Amount:</b></td><td data-bbox="1165 548 1284 593">\$1,600.00</td></tr> <tr> <td data-bbox="726 683 1029 728"><b>Component Description:</b></td><td data-bbox="1165 683 1364 761">Sweep test New Primary Antenna</td></tr> <tr> <td data-bbox="726 772 837 817"><b>Amount:</b></td><td data-bbox="1165 772 1284 817">\$1,920.00</td></tr> </table>	<b>Component Description:</b>	WTAP-210-Sweep test New Primary Antenna	<b>Amount:</b>	\$1,600.00	<b>Component Description:</b>	WTAP-210-Sweep test New Primary Antenna	<b>Amount:</b>	\$1,600.00	<b>Component Description:</b>	Sweep test New Primary Antenna	<b>Amount:</b>	\$1,920.00
<b>Component Description:</b>	WTAP-210-Sweep test New Primary Antenna												
<b>Amount:</b>	\$1,600.00												
<b>Component Description:</b>	WTAP-210-Sweep test New Primary Antenna												
<b>Amount:</b>	\$1,600.00												
<b>Component Description:</b>	Sweep test New Primary Antenna												
<b>Amount:</b>	\$1,920.00												
UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized	<table> <tr> <td data-bbox="726 929 1029 974"><b>Component Description:</b></td><td data-bbox="1165 929 1332 1052">UHF - HIGH POWER SIDE MOUNT</td></tr> <tr> <td data-bbox="726 1064 837 1108"><b>Amount:</b></td><td data-bbox="1165 1064 1300 1108">\$38,750.00</td></tr> <tr> <td data-bbox="726 1198 1029 1243"><b>Component Description:</b></td><td data-bbox="1165 1198 1380 1388">UHF - High Power Side Mount TV Ant TFU 18JSC/VP-R-04 WTAP</td></tr> <tr> <td data-bbox="726 1400 837 1444"><b>Amount:</b></td><td data-bbox="1165 1400 1300 1444">\$38,750.00</td></tr> <tr> <td data-bbox="726 1534 1029 1579"><b>Component Description:</b></td><td data-bbox="1165 1534 1316 1612">New Primary Antenna</td></tr> <tr> <td data-bbox="726 1624 837 1668"><b>Amount:</b></td><td data-bbox="1165 1624 1300 1668">\$46,500.00</td></tr> </table>	<b>Component Description:</b>	UHF - HIGH POWER SIDE MOUNT	<b>Amount:</b>	\$38,750.00	<b>Component Description:</b>	UHF - High Power Side Mount TV Ant TFU 18JSC/VP-R-04 WTAP	<b>Amount:</b>	\$38,750.00	<b>Component Description:</b>	New Primary Antenna	<b>Amount:</b>	\$46,500.00
<b>Component Description:</b>	UHF - HIGH POWER SIDE MOUNT												
<b>Amount:</b>	\$38,750.00												
<b>Component Description:</b>	UHF - High Power Side Mount TV Ant TFU 18JSC/VP-R-04 WTAP												
<b>Amount:</b>	\$38,750.00												
<b>Component Description:</b>	New Primary Antenna												
<b>Amount:</b>	\$46,500.00												

## Cost Information

### Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Interim Transmission Line</b>	<b>\$48,900.00</b>	<b>\$105,568.71</b>		<b>\$56,171.15</b>	
Rigid Transmission Line - copper, 4 1/16" broadband	\$48,900.00	\$105,568.71	Please see Estimated Cost Justification WTAP-380-Interim Transmission Line v0	\$56,171.15	N/A
<b>Primary Transmission Line</b>	<b>\$125,240.00</b>	<b>\$144,625.25</b>		<b>\$126,747.19</b>	
Rigid Transmission Line - copper, 6 1/8"	\$125,240.00	\$144,625.25	see Estimated Cost Justification WTAP-310-New Primary Transmission Line v0	\$126,747.19	N/A
<b>Sub-total</b>	<b>\$174,140.00</b>	<b>\$250,193.96</b>	<b>N/A</b>	<b>\$182,918.34</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$7,038,699.56</b>	<b>\$5,965,496.26</b>	<b>N/A</b>	<b>\$2,932,558.72</b>	<b>N/A</b>

### Components

#### Actual Information

Description	File Name
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Rigid Transmission Line -  
copper, 4 1/16" broadband

**Component Description:** R45609 4" CONN  
4-50  
**Amount:** \$11,180.85

**Component Description:** Project Repacking  
supplies  
**Amount:** \$80.55

**Component Description:** fabricate tower  
cleats  
**Amount:** \$952.64

**Component Description:** Project Repacking  
supplies  
**Amount:** \$422.44

**Component Description:** 0018596501 6-50  
to 4-50 Reducer -  
Use at antenna  
input  
**Amount:** \$33,354.17

**Component Description:** RF Tech Field  
Work  
**Amount:** \$5,628.12

**Component Description:** WTAP-380-Interim  
Transmission Line  
**Amount:** \$4,552.38

Rigid Transmission Line -  
copper, 6 1/8"

**Component Description:** WTAP-310-New  
Primary  
Transmission Line  
**Amount:** \$3,344.24

**Component Description:** WTAP-310-New  
Primary  
Transmission Line  
**Amount:** \$23,412.99

**Component Description:** New Primary  
Transmission Line  
**Amount:** \$28,095.62

**Component Description:** WTAP-310-New  
Primary  
Transmission Line  
**Amount:** \$200.55

**Component Description:** WTAP-310-New  
Primary  
Transmission Line  
**Amount:** \$23,412.99

**Component Description:** Rigid  
Transmission Line  
- Copper, Elbow,  
Dehydrator, etc.  
**Amount:** \$30,175.50

**Component Description:** 0018596501 6-50  
TO 4-50 Reducer  
**Amount:** \$18,105.30

## Cost Information

### Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Primary Tower TOWER</b>	<b>\$1,438,211.14</b>	<b>\$1,265,461.10</b>		<b>\$265,605.86</b>	
Level II corrosion	<i>\$6,400.00</i>	\$6,400.00	N/A	\$6,400.00	N/A
Move Equipment	<i>\$133,198.14</i>	\$133,198.14	see Estimated Cost Justification WTAP-410- Move equipment Existing Primary Tower v0	\$133,198.14	N/A
Replace Main Antenna	<i>\$134,813.00</i>	\$134,813.00	N/A	\$19,687.50	N/A
Short Tower (less than 500')	\$84,200.00	\$134,954.41	E-17440-5 Includes steel member replacement at top of tower	\$46,800.00	N/A
Serious tower reinforcement /modifications	\$1,052,000.00	\$804,375.00	Includes state and local taxes	\$10,911.67	N/A

Structural engineering tower load study for well documented tower	\$12,600.00	\$36,720.55	Per Estimated Cost Justification WTAP-410- Structural Analysis Existing Primary Tower v1, Gates Air Quote Q-76839 Includes state and local taxes; see invoice Hodge Structural Engineers 17G000508.1	\$34,220.55	N/A
Anode Grounding System	<b>\$15,000.00</b>	\$15,000.00	See vendor invoice	\$14,388.00	N/A
<b>Interim Tower</b>	<b>\$536,776.25</b>	<b>\$532,576.25</b>		<b>\$15,314.31</b>	
New tower	<b>\$351,576.25</b>	\$351,576.25	Includes the foundation, as well as state and local taxes and shipping.	\$7,332.00	N/A
Ice Bridge	<b>\$21,000.00</b>	\$21,000.00	N/A	\$7,982.31	N/A
Interim Antenna Installation	<b>\$80,000.00</b>	\$80,000.00	N/A	\$0.00	N/A
Short Tower (less than 500')	\$84,200.00	\$80,000.00	N/A	\$0.00	N/A
<b>Sub-total</b>	<b>\$1,974,987.39</b>	<b>\$1,798,037.35</b>	N/A	<b>\$280,920.17</b>	N/A

<b>Total for all systems</b>	\$7,038,699.56	\$5,965,496.26	N/A	\$2,932,558.72	N/A
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## Components

Actual Information	
Description	File Name
Level II corrosion	<p><b>Component Description:</b> Level II corrosion risk analysis</p> <p><b>Amount:</b> \$6,400.00</p>
Move Equipment	<p><b>Component Description:</b> Tower Equipment and Rigging</p> <p><b>Amount:</b> \$32,553.75</p> <p><b>Component Description:</b> Tower Equipment and Rigging</p> <p><b>Amount:</b> \$97,661.25</p> <p><b>Component Description:</b> TL 943 Telehandler Rental</p> <p><b>Amount:</b> \$2,983.14</p>
Replace Main Antenna	<p><b>Component Description:</b> Incurred weather days during the installation of the main WTAP repack antenna</p> <p><b>Amount:</b> \$19,687.50</p>
Short Tower (less than 500')	<p><b>Component Description:</b> Tower Equipment and Rigging</p> <p><b>Amount:</b> \$46,800.00</p>

Serious tower reinforcement/modifications	<b>Component Description:</b> <b>Amount:</b>	Engineering Evaluation \$2,375.00
	<b>Component Description:</b> <b>Amount:</b>	Freight / Goods clearing at US Border \$1,680.00
	<b>Component Description:</b> <b>Amount:</b>	New Diagnosis \$6,255.00
	<b>Component Description:</b> <b>Amount:</b>	WTAP-410-Reinforcements Existing Primary Tower \$601.67
Structural engineering tower load study for well documented tower	<b>Component Description:</b> <b>Amount:</b>	Structural Engineering Services \$6,500.00
	<b>Component Description:</b> <b>Amount:</b>	WTAP-410-Structural analysis Existing Primary Tower \$337.50
	<b>Component Description:</b> <b>Amount:</b>	Engineering Evaluation \$3,500.00
	<b>Component Description:</b> <b>Amount:</b>	SITE SURVEY \$568.05

<b>Component Description:</b>	Structural Engineering Services - Engineering Evaluation
<b>Amount:</b>	\$6,500.00

<b>Component Description:</b>	Re-analysis Structural engineering of 460 tower
<b>Amount:</b>	\$1,200.00

<b>Component Description:</b>	Engineering Evaluation
<b>Amount:</b>	\$3,500.00

<b>Component Description:</b>	Engineering Evaluation
<b>Amount:</b>	\$9,000.00

<b>Component Description:</b>	Engineering evaluation of the 460' guyed tower.
<b>Amount:</b>	\$2,000.00

<b>Component Description:</b>	Engineering Evaluation
<b>Amount:</b>	\$2,000.00

<b>Component Description:</b>	Site Survey
<b>Amount:</b>	\$8,115.00

Anode Grounding System	<b>Component Description:</b>	Anode Grounding Systems
	<b>Amount:</b>	\$3,183.00
	<b>Component Description:</b>	Grounding System
	<b>Amount:</b>	\$2,805.00
	<b>Component Description:</b>	Supply labor and equipment to install customer supplied Anode Grounding Systems (3) guy anchor system (6 anodes total) for the (3) WTAP-TV guy anchors with all materials supplied by WTAP-TV
	<b>Amount:</b>	\$7,250.00
	<b>Component Description:</b>	COPPER STRAP
	<b>Amount:</b>	\$1,150.00
New tower	<b>Component Description:</b>	Total professional services
	<b>Amount:</b>	\$615.00
	<b>Component Description:</b>	For professional services rendered through October 31, 2018
	<b>Amount:</b>	\$852.00
	<b>Component Description:</b>	Geotechnical services for New Interim tower proposed site
	<b>Amount:</b>	\$5,865.00

Ice Bridge	<b>Component Description:</b> <b>Amount:</b>	Labor and material, as per quotation \$1,403.90
	<b>Component Description:</b> <b>Amount:</b>	Labor and material, as per quotation \$3,876.01
	<b>Component Description:</b> <b>Amount:</b>	Project Repacking supplies \$1,992.41
	<b>Component Description:</b> <b>Amount:</b>	Atlas Steel & Supply \$241.45
	<b>Component Description:</b> <b>Amount:</b>	Jabo Supply Parkersburg \$468.54
Interim Antenna Installation	Information not provided.	
Short Tower (less than 500')	Information not provided.	

## 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>\$199,976.00</b>	<b>\$212,042.21</b>		<b>\$143,281.66</b>	
Project management of the transition	\$142,200.00	\$135,000.00	N/A	\$106,246.60	N/A
Attorney Fees - Other Matters	<i>\$296.00</i>	\$296.00	Per WTAP-TV Justification New Category Attorney Other Matters	\$296.00	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	\$1,337.50	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	\$0.00	N/A
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$12,041.13	Environmentex Consulting Proposal	\$5,067.00	N/A

NEPA Section 106 environmental review, if needed	\$6,310.00	\$12,458.13	Waterman Douglass & Associates invoice 20180051 A WTAP; Justifying invoice Environmentex 18303	\$7,391.11	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	N/A	\$125.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$0.00	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	\$4,100.00	\$3,000.00	N/A	\$875.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$250.00	N/A

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$21,496.95	Per Estimated Cost Justification WTAP-530-RF Eng Study v1	\$21,496.95	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
<b>Sub-total</b>	\$199,976.00	\$212,042.21	N/A	\$143,281.66	N/A
<b>Total for all systems</b>	\$7,038,699.56	\$5,965,496.26	N/A	\$2,932,558.72	N/A

## Components

Actual Information	
Description	File Name
Project management of the transition	<p><b>Component Description:</b> Project Management</p> <p><b>Amount:</b> \$4,037.30</p>

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,605.65

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,992.65

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,457.40

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$6,948.40

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$4,734.40

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,776.95

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$5,015.75

<b>Component Description:</b>	Cost Reconciliation
<b>Amount:</b>	\$2,775.45

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,142.20

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,288.80

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$4,781.05

<b>Component Description:</b>	Reference WTAP-510-Project Management THTV LLC. 62
<b>Amount:</b>	\$564.67

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$7,983.25

<b>Component Description:</b>	Repacking supplies- distilled water
<b>Amount:</b>	\$167.31

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,936.65

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,721.85

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,706.25

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,890.75

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,588.75

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

<b>Component Description:</b>	Repack Engineering
<b>Amount:</b>	\$133.47

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,116.85

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,521.95

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,775.85

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

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,558.80

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$462.00

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$4,280.65

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,728.10

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$755.80

<b>Component Description:</b>	Project management
<b>Amount:</b>	\$2,750.15

<b>Component Description:</b>	Transition Related Project Management Costs
<b>Amount:</b>	\$3,300.00

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,472.60

<b>Component Description:</b>	Project management
<b>Amount:</b>	\$3,536.90

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$802.25

	<b>Component Description:</b>	Project Management
	<b>Amount:</b>	\$1,845.25
	<b>Component Description:</b>	Project Management
	<b>Amount:</b>	\$1,363.95
	<b>Component Description:</b>	Project Management
	<b>Amount:</b>	\$4,369.80
Attorney Fees - Other Matters	<b>Component Description:</b>	Professional Services Rendered Through September 30, 2019
	<b>Amount:</b>	\$296.00

<p>FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase</p>	<table> <tr> <td data-bbox="710 174 1018 208"><b>Component Description:</b></td><td data-bbox="1152 174 1358 483">Regarding interim operation on repack Ch-35, determine site location and elevation data for new (interim antenna) tower.</td></tr> <tr> <td data-bbox="710 495 820 528"><b>Amount:</b></td><td data-bbox="1152 495 1246 528">\$687.50</td></tr> <tr> <td data-bbox="710 633 1018 667"><b>Component Description:</b></td><td data-bbox="1152 633 1358 1061">Regarding interim operation on repack Ch-35, various discussions regarding removal of tower lighting requirement, prepare and submit FAA form 74460-1</td></tr> <tr> <td data-bbox="710 1072 820 1106"><b>Amount:</b></td><td data-bbox="1152 1072 1246 1106">\$650.00</td></tr> </table>	<b>Component Description:</b>	Regarding interim operation on repack Ch-35, determine site location and elevation data for new (interim antenna) tower.	<b>Amount:</b>	\$687.50	<b>Component Description:</b>	Regarding interim operation on repack Ch-35, various discussions regarding removal of tower lighting requirement, prepare and submit FAA form 74460-1	<b>Amount:</b>	\$650.00
<b>Component Description:</b>	Regarding interim operation on repack Ch-35, determine site location and elevation data for new (interim antenna) tower.								
<b>Amount:</b>	\$687.50								
<b>Component Description:</b>	Regarding interim operation on repack Ch-35, various discussions regarding removal of tower lighting requirement, prepare and submit FAA form 74460-1								
<b>Amount:</b>	\$650.00								
<p>ASR modification (prepare FCC Form 854)</p>	<p>Information not provided.</p>								
<p>Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet</p>	<table> <tr> <td data-bbox="710 1357 1018 1391"><b>Component Description:</b></td><td data-bbox="1152 1357 1358 1666">NEPA Screen /Section 106 Review WTAP 12266 Veto Road, Constitution, Washington County, Ohio 45750.</td></tr> <tr> <td data-bbox="710 1677 820 1711"><b>Amount:</b></td><td data-bbox="1152 1677 1270 1711">\$5,067.00</td></tr> </table>	<b>Component Description:</b>	NEPA Screen /Section 106 Review WTAP 12266 Veto Road, Constitution, Washington County, Ohio 45750.	<b>Amount:</b>	\$5,067.00				
<b>Component Description:</b>	NEPA Screen /Section 106 Review WTAP 12266 Veto Road, Constitution, Washington County, Ohio 45750.								
<b>Amount:</b>	\$5,067.00								
<p>NEPA Section 106 environmental review, if needed</p>	<table> <tr> <td data-bbox="710 1850 1018 1883"><b>Component Description:</b></td><td data-bbox="1152 1850 1350 1962">20180051 WTAP Tower NEPA Study</td></tr> <tr> <td data-bbox="710 1973 820 2007"><b>Amount:</b></td><td data-bbox="1152 1973 1267 2007">\$7,391.11</td></tr> </table>	<b>Component Description:</b>	20180051 WTAP Tower NEPA Study	<b>Amount:</b>	\$7,391.11				
<b>Component Description:</b>	20180051 WTAP Tower NEPA Study								
<b>Amount:</b>	\$7,391.11								

Attorney Fees - Prepare and File request for Special Temporary Authorization	<p><b>Component Description:</b></p> <p>Review proposed main antenna and broadband interim antenna specification from 2 manufacturers.</p> <p><b>Amount:</b></p> <p>\$125.00</p>
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<p><b>Component Description:</b></p> <p>Complete and file initial repack construction permit application for WTAP</p> <p><b>Amount:</b></p> <p>\$196.50</p>
Prepare request for Special Temporary Authorization	<p><b>Component Description:</b></p> <p>Consulting Engineer</p> <p><b>Amount:</b></p> <p>\$875.00</p>
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	<p><b>Component Description:</b></p> <p>Regarding buildout of repack Ch-35 main facility</p> <p><b>Amount:</b></p> <p>\$250.00</p>
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
Perform engineering study for new channel assignment and antenna development	<p><b>Component Description:</b></p> <p>RF Consulting</p> <p><b>Amount:</b></p> <p>\$125.00</p>

<b>Component Description:</b>	Perform engineering study for new channel assignment
<b>Amount:</b>	\$437.50

<b>Component Description:</b>	Develop final configuration for main antenna and determine ERP based on intended transmitter for repack
<b>Amount:</b>	\$1,450.00

<b>Component Description:</b>	Travel
<b>Amount:</b>	\$5,126.13

<b>Component Description:</b>	WTAP-530-RF Eng Study
<b>Amount:</b>	\$2,904.16

<b>Component Description:</b>	WTAP-530-RF Eng Study
<b>Amount:</b>	\$3,079.16

<b>Component Description:</b>	Repack Engineering Interim antenna analysis - Robert E Thurber
<b>Amount:</b>	\$1,875.00

<b>Component Description:</b>	Perform engineering study for new channel assignment
<b>Amount:</b>	\$2,712.50

	<b>Component Description:</b>	Regarding repack Ch-35, review antenna proposals from two vendors
	<b>Amount:</b>	\$187.50
	<b>Component Description:</b>	Antenna and Transmission Line Mapping
	<b>Amount:</b>	\$3,600.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	Information not provided.	

## Cost Information

### Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Other Expenses</b>	<b>\$96,173.69</b>	<b>\$86,931.69</b>		<b>\$29,734.95</b>	
Fencing	<i>\$9,691.00</i>	\$9,691.00	N/A	N/A	N/A
MVPD Notification of Channel Change	<i>\$2,000.00</i>	\$2,000.00	Per Estimated Cost Justification WTAP-610-MVPD Notifications v0	\$2,000.00	N/A
Develop and air announcement of upcoming channel change	<i>\$13,600.00</i>	\$13,600.00	N/A	N/A	N/A
Equipment Storage	<i>\$2,172.10</i>	\$2,172.10	Please see Estimated Cost Justification WTAP-610-Equipment Storage Fees v2	\$2,172.10	N/A
Equipment Delivery and Handling Charges	<i>\$9,520.59</i>	\$9,520.59	see Estimated Cost Justification WTAP-610-Equipment Delivery v2	\$9,520.59	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	<b>\$30,000.00</b>	\$30,000.00	N/A	\$15,842.26	N/A
Non-zoning permits	<b>\$16,000.00</b>	\$16,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$200.00	see Estimated Cost Justification WTAP-610-STA FCC Filing Fees v0	\$200.00	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	\$1,070.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$2,353.00	N/A	N/A	N/A
<b>Sub-total</b>	\$96,173.69	\$86,931.69	N/A	\$29,734.95	N/A
<b>Total for all systems</b>	\$7,038,699.56	\$5,965,496.26	N/A	\$2,932,558.72	N/A

## Components

Actual Information	
Description	File Name
Fencing	Information not provided.

MVPD Notification of Channel Change	<div> <div>Component Description:</div> <div>Legal Services</div> </div> <div> <div>Amount:</div> <div>\$2,000.00</div> </div>
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	<div> <div>Component Description:</div> <div>8' x 40'- 45' container Unit</div> </div> <div> <div>Amount:</div> <div>\$267.50</div> </div> <div> <div>Component Description:</div> <div>8' x 40' - 45' container Unit</div> </div> <div> <div>Amount:</div> <div>\$267.50</div> </div> <div> <div>Component Description:</div> <div>container Unit</div> </div> <div> <div>Amount:</div> <div>\$267.50</div> </div> <div> <div>Component Description:</div> <div>container Unit</div> </div> <div> <div>Amount:</div> <div>\$267.50</div> </div> <div> <div>Component Description:</div> <div>8 x 40 - 45 container Unit 453466 6/27/19-7/27/19</div> </div> <div> <div>Amount:</div> <div>\$1,102.10</div> </div>

Equipment Delivery and Handling Charges	<table> <tr> <td data-bbox="703 176 1010 208"><b>Component Description:</b></td><td data-bbox="1145 176 1374 244">WTAP-610-Equipment Delivery</td></tr> <tr> <td data-bbox="703 257 810 288"><b>Amount:</b></td><td data-bbox="1145 257 1262 288">\$1,988.76</td></tr> <tr> <td data-bbox="703 396 1010 427"><b>Component Description:</b></td><td data-bbox="1145 396 1358 463">Project Repacking supplies</td></tr> <tr> <td data-bbox="703 477 810 508"><b>Amount:</b></td><td data-bbox="1145 477 1241 508">\$696.37</td></tr> <tr> <td data-bbox="703 616 1010 647"><b>Component Description:</b></td><td data-bbox="1145 616 1347 683">8' X 40' container Unit</td></tr> <tr> <td data-bbox="703 696 810 728"><b>Amount:</b></td><td data-bbox="1145 696 1241 728">\$267.50</td></tr> <tr> <td data-bbox="703 835 1010 866"><b>Component Description:</b></td><td data-bbox="1145 835 1374 902">TL 943 Telehandler Rental</td></tr> <tr> <td data-bbox="703 916 810 947"><b>Amount:</b></td><td data-bbox="1145 916 1262 947">\$2,983.14</td></tr> <tr> <td data-bbox="703 1055 1010 1086"><b>Component Description:</b></td><td data-bbox="1145 1055 1374 1122">WTAP-610-Equipment Delivery</td></tr> <tr> <td data-bbox="703 1135 810 1167"><b>Amount:</b></td><td data-bbox="1145 1135 1262 1167">\$3,584.82</td></tr> </table>	<b>Component Description:</b>	WTAP-610-Equipment Delivery	<b>Amount:</b>	\$1,988.76	<b>Component Description:</b>	Project Repacking supplies	<b>Amount:</b>	\$696.37	<b>Component Description:</b>	8' X 40' container Unit	<b>Amount:</b>	\$267.50	<b>Component Description:</b>	TL 943 Telehandler Rental	<b>Amount:</b>	\$2,983.14	<b>Component Description:</b>	WTAP-610-Equipment Delivery	<b>Amount:</b>	\$3,584.82
<b>Component Description:</b>	WTAP-610-Equipment Delivery																				
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<b>Component Description:</b>	8' X 40' container Unit																				
<b>Amount:</b>	\$267.50																				
<b>Component Description:</b>	TL 943 Telehandler Rental																				
<b>Amount:</b>	\$2,983.14																				
<b>Component Description:</b>	WTAP-610-Equipment Delivery																				
<b>Amount:</b>	\$3,584.82																				
Disposal Costs (for equipment and other waste, net of any salvage value)	<table> <tr> <td data-bbox="703 1305 1010 1337"><b>Component Description:</b></td><td data-bbox="1145 1305 1374 1534">All costs and markups to perform the work as describe including labor, material, supervision, etc.</td></tr> <tr> <td data-bbox="703 1547 810 1579"><b>Amount:</b></td><td data-bbox="1145 1547 1262 1579">\$4,540.00</td></tr> <tr> <td data-bbox="703 1686 1010 1718"><b>Component Description:</b></td><td data-bbox="1145 1686 1331 1870">"30YRD DUMPSTER TRANSMITTER SITE 1 REPACKING"</td></tr> <tr> <td data-bbox="703 1883 810 1915"><b>Amount:</b></td><td data-bbox="1145 1883 1262 1915">\$1,370.88</td></tr> </table>	<b>Component Description:</b>	All costs and markups to perform the work as describe including labor, material, supervision, etc.	<b>Amount:</b>	\$4,540.00	<b>Component Description:</b>	"30YRD DUMPSTER TRANSMITTER SITE 1 REPACKING"	<b>Amount:</b>	\$1,370.88												
<b>Component Description:</b>	All costs and markups to perform the work as describe including labor, material, supervision, etc.																				
<b>Amount:</b>	\$4,540.00																				
<b>Component Description:</b>	"30YRD DUMPSTER TRANSMITTER SITE 1 REPACKING"																				
<b>Amount:</b>	\$1,370.88																				

	<b>Component Description:</b>	30 YARD DUMPSTER
	<b>Amount:</b>	\$1,031.93
	<b>Component Description:</b>	30YRD DUMPSTER
	<b>Amount:</b>	\$879.69
	<b>Component Description:</b>	All cost and markups to perform the work as described including labor, material, supervision, etc.
	<b>Amount:</b>	\$3,288.00
	<b>Component Description:</b>	30YRD DUMPSTER
	<b>Amount:</b>	\$1,349.09
	<b>Component Description:</b>	30 YARD DUMPSTER
	<b>Amount:</b>	\$666.76
	<b>Component Description:</b>	CHANGE OUT CAN 9/5 19
	<b>Amount:</b>	\$1,196.85
	<b>Component Description:</b>	Landfill Per Ion
	<b>Amount:</b>	\$381.19
	<b>Component Description:</b>	30 yrd dumpster
	<b>Amount:</b>	\$1,137.87
Non-zoning permits	Information not provided.	

FCC Filing Fees - Special Temporary Authorization request	<b>Component Description:</b> WTAP-610-STA <b>Amount:</b> FCC Filing Fees \$200.00
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.
DTV Medical Facility Notification	Information not provided.

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$7,038,699.56	\$5,965,496.26	\$2,932,558.72

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.

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.

I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.

**Robert  
Folliard , III**  
.  
*Assistant  
Secretary*

03/24/2020

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>03/24/2020</p>

## Attachments