



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **6568** | Service: **DTV** | Call **WBGU-TV** | Channel: **22 (UHF)** |  
ID:  
File **0000027984**  
Number:  
FRN: **0002914638** | Date **04/04**  
Submitted: **/2020**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>BOWLING GREEN STATE UNIVERSITY</b>	Anthony Short, General Manager 245 TROUP STREET BOWLING GREEN, OH 43402 United States	+1 (419) 372-2700	ashort@bgsu.edu	Government Entity

## Reimbursement Contact Information

### Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

## Preparer Contact Information

### Preparer Contact Name and Information

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

## Broadcaster Information and Transition Plan

Question	Response
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Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	Purchase/install an aux antenna, a new transmitter (current one cannot be re-used) and we will use a spare transmission line to test our new channel (22) during the phase one testing period. Upon cutover we'll transition the above to permanent antenna.

## 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	Ultimate
	Year	2003
	Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power Capacity	10 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	UXLTE-20
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	7.5 kW
	Justification for New Transmitter	Our old Comark transmitter could not be retuned for the new channel (22).

**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	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	100.0 feet

	Other Electrical Service	No
	Description	N/A
<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**

Information not provided.

**Antennas**

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

**Primary  
Antenna****Add Antenna Information**

Section	Question	Response
Existing Antenna Description	Type of change	Retune Existing
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this antenna currently shared with any other stations?	No
	Is this 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	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	1
	Number of Panels	56
	Design power capacity in use	40.0 %
	Lower Limit	470.00 MHz

Upper Limit	728.00 MHz
Other Antenna Type	N/A
ERP: (Effective Radiated Power)	153.0 kW
Manufacturer	Dielectric
Model	TUF-04-14 /56 H-I-T-R
Year	2003

**Primary  
Antenna**

**Adjustment to Existing Antenna**

Section	Question	Response
Sweep Test of Existing Antenna	Do you need a sweep test of existing antenna?	Yes

**Primary  
Antenna**

**Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Name	Description
retune elbox complex	retuning elbox complex for new channel

**Auxiliary  
Antenna****Add 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 this antenna currently shared with any other stations?	No
	Is this 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	Class A
	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) .....	61.0 kW



Manufacturer	
Model	AL8PLUS
Year	2002

**Auxiliary  
Antenna****New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Auxiliary (Backup)
	Description of Use	Aux/backup antenna to replace existing. Will be used for testing new channel prior to cutover
	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
<b>New Antenna Manufacturer and Types</b>	Class	Class A
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A

Design power capacity in use	N/A
Other Antenna Type	N/A
ERP: (Effective Radiated Power) .....	137.0 kW
Manufacturer	
Model	ATC- BCH216M- 22
Year	2018
Justification for New Antenna	Current auxiliary antenna is not capable of new channel. Will install new auxiliary antenna for testing in phase 1 while not interrupting current channel /service

## Auxiliary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A

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

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
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	Dielectric
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	2
	Length	1000 feet per run

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

Name	Description
Primary Line sweep and tuning bullets	Current transmission line is compatible with new channel, just needs swept and tuned

**Auxiliary Transmission Line**      **Add Transmission Line**

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Auxiliary (Backup)
	Description of Use	Backup transmission line to side mount antenna
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmission currently shared with any other stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	Andrew
	Type	Flexible Air
	Diameter	1 5/8 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	560 feet per run

Auxiliary	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	Move Equipment
	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	1016071
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	41° 08' 12.0" N-
	Longitude (NAD83)	083° 54' 24.0" W-
	Overall Structure Height	1089.55 feet
	Support Structure Height	1030.83 feet
	Ground Elevation Above Mean Sea Level (AMSL)	727.03 feet



	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	BOWLING GREEN STATE UNIVERSITY
	Date Constructed	08/13/2004

**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**

Information not provided.

**Outside  
Professional Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	Do you require outside project management services?	No
	Number of Hours	N/A
	Explanation	N/A
<b>Outside RF consulting Engineering Services</b>	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	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	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes

	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	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	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

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

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	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	No
<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?	No
	Does this relocation require Equipment Storage?	No
	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

<b>Other Expenses</b>	<b>Other Expenses Not Listed</b>
	Information not provided.

Cost  
Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter UXLTE-20	\$445,587.47	\$438,806.08		\$438,806.08	
UHF - Liquid Cooled Solid State Transmitter 7.5 kW	<i>\$406,187.47</i>	\$406,187.47	Shipping more than expected	\$406,187.47	Change order costs greater than expected (delivery, final delivery, etc)
2" Rigid Conduit and Wiring (Cost per foot)	\$2,600.00	\$2,299.48	N/A	\$2,299.48	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$30,319.13	N/A	\$30,319.13	N/A
Sub-total	\$445,587.47	\$438,806.08	N/A	\$438,806.08	N/A
Total for all systems	\$1,230,837.93	\$968,859.57	N/A	\$618,354.01	N/A

Components

Actual Information	
Description	File Name
UHF - Liquid Cooled Solid State Transmitter 7.5 kW	<div>Component Description: Transmitter RF plumbing</div> <div>Amount: \$20,773.63</div>

<b>Component Description:</b>	Hose install - installation and proof services - line 25 of quote
<b>Amount:</b>	\$29,952.00

<b>Component Description:</b>	Final transmitter tuning with Gates Air
<b>Amount:</b>	\$2,194.94

<b>Component Description:</b>	Change order - Travel day charge
<b>Amount:</b>	\$3,364.00

<b>Component Description:</b>	Change order - Charge kit for liquid cooled transmitters
<b>Amount:</b>	\$245.61

<b>Component Description:</b>	Change order - 1 inch piping clamp
<b>Amount:</b>	\$58.40

<b>Component Description:</b>	Change order - 90 degree elbow, adapter and transmission line
<b>Amount:</b>	\$2,855.11

<b>Component Description:</b>	Change order - insulated pipe clamp and piping clamps
<b>Amount:</b>	\$64.62

<b>Component Description:</b>	Change order - probe kit
<b>Amount:</b>	\$216.45

<b>Component Description:</b>	Transmitter delivery and final tuning
<b>Amount:</b>	\$1,506.09

<b>Component Description:</b>	RF load
<b>Amount:</b>	\$13,785.91

<b>Component Description:</b>	Cmask 20kw UHF ATSC tuned
<b>Amount:</b>	\$16,065.00

<b>Component Description:</b>	Sencore receiver
<b>Amount:</b>	\$2,031.60

<b>Component Description:</b>	Streamscope ATSC1.0 Analyzer
<b>Amount:</b>	\$29,900.00

<b>Component Description:</b>	Frieght - original estimate was
<b>Amount:</b>	\$3,100.00 \$10,216.21

<b>Component Description:</b>	Change order - cable tray wire
<b>Amount:</b>	\$351.52

<b>Component Description:</b>	Blackmagic Desing Smartview
<b>Amount:</b>	\$1,256.30



	<b>Component Description:</b>	Boom Forklift to get transmitter off truck
	<b>Amount:</b>	\$1,022.07
	<b>Component Description:</b>	Additional charge for freight
	<b>Amount:</b>	\$132.00
	<b>Component Description:</b>	Heat exchanger
	<b>Amount:</b>	\$4,417.40
2" Rigid Conduit and Wiring (Cost per foot)	<b>Component Description:</b>	ULXTE-20 High Efficiency Transmitter
	<b>Amount:</b>	\$243,217.33
	<b>Component Description:</b>	Stabiline Automatic Voltage regulator
	<b>Amount:</b>	\$22,561.28
	<b>Component Description:</b>	Conduit, wiring and supplies
	<b>Amount:</b>	\$1,277.40
Transformer 3 phase/480v - 300 KVA	<b>Component Description:</b>	Wiring and supplies
	<b>Amount:</b>	\$731.04
	<b>Component Description:</b>	Wiring and supplies
	<b>Amount:</b>	\$291.04
	<b>Component Description:</b>	
	<b>Amount:</b>	

<b>Component Description:</b>	Various electrical supplies for transformer phase
<b>Amount:</b>	\$451.42

<b>Component Description:</b>	Various electrical parts for transformer phase
<b>Amount:</b>	\$7,046.19

<b>Component Description:</b>	Electricians (Terry, Kerry) 81 hours @ \$85.00 per hour
<b>Amount:</b>	\$6,885.00

<b>Component Description:</b>	Electricians (Terry, Kerry, Wayne) 22.50 hours @ \$85.00 per hour
<b>Amount:</b>	\$1,912.50

<b>Component Description:</b>	Various electrical supplies for the transformer phase
<b>Amount:</b>	\$2,032.51

<b>Component Description:</b>	Electricians (Terry, Kerry, Wayne) 67 hours @ \$85.00 per hour
<b>Amount:</b>	\$5,695.00

<b>Component Description:</b>	Electricians (Terry, Kerry, Wayne) 30.50 hours @ \$85.00 per hour
<b>Amount:</b>	\$2,592.50

<b>Component Description:</b>	Electrical supplies for transformer phase
<b>Amount:</b>	\$3,149.68

<b>Component Description:</b>	Electrician 4 hours @ \$85.00 per hour. Low ambient control
<b>Amount:</b>	\$554.33

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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
Primary Antenna TUF-04-14 /56 H-I-T-R	\$17,080.00	\$16,750.00		\$16,750.00	
retune elbow complex	<i>\$10,350.00</i>	\$10,350.00	estimated cost of elbow complex retuning	\$10,350.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
Auxiliary Antenna ATC- BCH216M-22	\$52,941.10	\$52,611.10		\$52,611.10	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A

UHF - Lower Power, Side Mount, Class A, basic slot antenna, 137 kW input, horizontally polarized	<b>\$24,461.10</b>	\$24,461.10	Auxilliary antenna from Alive Telecom, plus freight charges - 2nd payment. First payment was approved under wrong item. Installation and delivery costs higher than estimated	\$24,461.10	Delivery and installation actual higher than estimate
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UHF - Lower Power, Side Mount, Class A, basic slot antenna, 60 - 65 kW input, horizontally polarized	\$21,750.00	\$21,750.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***Cost of new aux antenna as current aux antenna isn't compatible with new channel 6- 6-18 - added \$500 to the \$45,000 to cover extra shipping charges - see attached Alive Telecom quote	\$21,750.00	N/A
<b>Sub-total</b>	\$70,021.10	\$69,361.10	N/A	\$69,361.10	N/A
<b>Total for all systems</b>	\$1,230,837.93	\$968,859.57	N/A	\$618,354.01	N/A

## Components

Actual Information	
Description	File Name
retune elbox complex	<p><b>Component Description:</b> Mobilization of crew and labor to adjust antenna /elbow tuners</p> <p><b>Amount:</b> \$10,350.00</p>

Sweep test of existing antenna	<div> <b>Component Description:</b> Sweep testing of existing top mounted wideband antenna         </div> <div> <b>Amount:</b> \$6,400.00         </div>
Sweep test of existing antenna	<div> <b>Component Description:</b> Sweep testing and tuning of new CH22 auxiliary antenna         </div> <div> <b>Amount:</b> \$6,400.00         </div>
UHF - Lower Power, Side Mount, Class A, basic slot antenna, 137 kW input, horizontally polarized	<div> <b>Component Description:</b> Crane work to unload antenna from semi truck         </div> <div> <b>Amount:</b> \$800.00         </div> <div> <b>Component Description:</b> 2nd payment for antenna - the first payment was approved under the wrong item         </div> <div> <b>Amount:</b> \$23,046.00         </div> <div> <b>Component Description:</b> Antenna and heat exchanger deliver and installation         </div> <div> <b>Amount:</b> \$615.10         </div>

UHF - Lower Power, Side Mount, Class A, basic slot antenna, 60 - 65 kW input, horizontally polarized		
	<b>Component Description:</b>	This is for the 50% down payment for the new auxiliary antenna
	<b>Amount:</b>	\$21,750.00
	<b>Component Description:</b>	Balance due for antenna
	<b>Amount:</b>	\$23,046.00



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
Primary Transmission Line	\$4,343.89	\$4,343.89		\$4,343.89	
Primary Line sweep and tuning bullets	\$4,343.89	\$4,343.89	N/A	\$4,343.89	N/A
Auxiliary Transmission Line	\$0.00	\$0.00		\$0.00	
Sub-total	\$4,343.89	\$4,343.89	N/A	\$4,343.89	N/A
Total for all systems	\$1,230,837.93	\$968,859.57	N/A	\$618,354.01	N/A

Components

Actual Information Description	File Name
Primary Line sweep and tuning bullets	<div><div>Component Description:</div><div>Additional pieces to connect transmission line to antenna - shipping charges not included in quote</div><div>Amount:</div><div>\$3,393.89</div></div> <div><div>Component Description:</div><div>Primary line sweep test</div><div>Amount:</div><div>\$950.00</div></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 TOWER	\$210,500.00	\$78,247.70		\$78,247.70	
Tall Tower (greater than 500')	\$210,500.00	\$78,247.70	N/A	\$78,247.70	N/A
Sub-total	\$210,500.00	\$78,247.70	N/A	\$78,247.70	N/A
Total for all systems	\$1,230,837.93	\$968,859.57	N/A	\$618,354.01	N/A

Components

Actual Information Description	File Name
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Tall Tower (greater than 500')		
	<b>Component Description:</b>	Tower services - climb, measure and detail tower. Prepare necessary drawings
	<b>Amount:</b>	\$5,575.00
	<b>Component Description:</b>	Mobilization of crew to install new auxiliary ch 22 antenna
	<b>Amount:</b>	\$64,172.70
	<b>Component Description:</b>	Perform tower structural analysis to test for loading conditions and de-rated ice conditions
	<b>Amount:</b>	\$8,500.00

## 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>\$135,960.00</b>	<b>\$55,331.70</b>		<b>\$24,370.24</b>	
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$0.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	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	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,000.00	N/A	\$1,000.00	N/A

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,235.17	Actual time exceeded estimated time by a couple of hours	\$3,023.71	Time required to complete engineering portion of form 2100 - construction permit greater than original estimation
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$13,750.00	Underestimated cost of engineering study	\$13,750.00	The initial estimate for engineering evaluation was way underestimated. the time of completion of the form, was just ballpark figure
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$1,946.56	N/A	\$1,946.56	N/A
Prepare and or review reimbursement form	\$2,630.00	\$3,137.00	More time needed to prepare reimbursement form than planned	\$3,137.00	Reimbursement process took much longer than original estimate
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,512.97	N/A	\$1,512.97	Internal engineering costs greater than estimate
<b>Sub-total</b>	\$135,960.00	\$55,331.70	N/A	\$24,370.24	N/A
<b>Total for all systems</b>	\$1,230,837.93	\$968,859.57	N/A	\$618,354.01	N/A

## Components

Actual Information	
Description	File Name
RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
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	Information not provided.
Prepare request for Special Temporary Authorization	<div> <div>Component Description:</div> <div>Prepare engineering report for special temporary authorization</div> </div> <div> <div>Amount:</div> <div>\$1,000.00</div> </div>

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<b>Component Description:</b>	Engineering portion of FCC form 2100 - construction permit
	<b>Amount:</b>	\$898.71
	<b>Component Description:</b>	Preparation of engineering portion of construction permit
	<b>Amount:</b>	\$2,125.00
	<b>Component Description:</b>	Internal engineering costs to prepare engineering section of Form 2100 construction permit
	<b>Amount:</b>	\$866.75
Perform engineering study for new channel assignment and antenna development	<b>Component Description:</b>	Perform tower reinforcing study and report for development of new antenna
	<b>Amount:</b>	\$12,850.00
	<b>Component Description:</b>	xxxx
	<b>Amount:</b>	\$12,850.00
	<b>Component Description:</b>	Perform engineering evaluation for new Channel 22
	<b>Amount:</b>	\$900.00

<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<table> <tr> <td data-bbox="697 100 1011 324"><b>Component Description:</b></td><td data-bbox="1011 100 1428 324">Develop and air announcements of upcoming channel change</td></tr> <tr> <td data-bbox="697 324 1011 436"><b>Amount:</b></td><td data-bbox="1011 324 1428 436">\$517.44</td></tr> <tr> <td data-bbox="697 436 1011 660"><b>Component Description:</b></td><td data-bbox="1011 436 1428 660">Multi channel Video Programming Distribution notification</td></tr> <tr> <td data-bbox="697 660 1011 725"><b>Amount:</b></td><td data-bbox="1011 660 1428 725">\$1,429.12</td></tr> </table>	<b>Component Description:</b>	Develop and air announcements of upcoming channel change	<b>Amount:</b>	\$517.44	<b>Component Description:</b>	Multi channel Video Programming Distribution notification	<b>Amount:</b>	\$1,429.12				
<b>Component Description:</b>	Develop and air announcements of upcoming channel change												
<b>Amount:</b>	\$517.44												
<b>Component Description:</b>	Multi channel Video Programming Distribution notification												
<b>Amount:</b>	\$1,429.12												
<p>Prepare and or review reimbursement form</p>	<table> <tr> <td data-bbox="697 725 1011 949"><b>Component Description:</b></td><td data-bbox="1011 725 1428 949">Prepare and review reimbursement form for change to channel 22</td></tr> <tr> <td data-bbox="697 949 1011 1055"><b>Amount:</b></td><td data-bbox="1011 949 1428 1055">\$3,137.00</td></tr> </table>	<b>Component Description:</b>	Prepare and review reimbursement form for change to channel 22	<b>Amount:</b>	\$3,137.00								
<b>Component Description:</b>	Prepare and review reimbursement form for change to channel 22												
<b>Amount:</b>	\$3,137.00												
<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<table> <tr> <td data-bbox="697 1055 1011 1279"><b>Component Description:</b></td><td data-bbox="1011 1055 1428 1279">Preparation of license application and construction permit</td></tr> <tr> <td data-bbox="697 1279 1011 1391"><b>Amount:</b></td><td data-bbox="1011 1279 1428 1391">\$1,075.00</td></tr> <tr> <td data-bbox="697 1391 1011 1659"><b>Component Description:</b></td><td data-bbox="1011 1391 1428 1659">This is internal engineering costs for preparation of the Form 2100 application</td></tr> <tr> <td data-bbox="697 1659 1011 1771"><b>Amount:</b></td><td data-bbox="1011 1659 1428 1771">\$437.97</td></tr> <tr> <td data-bbox="697 1771 1011 1984"><b>Component Description:</b></td><td data-bbox="1011 1771 1428 1984">Prepare engineering portion of FCC Form 2100</td></tr> <tr> <td data-bbox="697 1984 1011 1984"><b>Amount:</b></td><td data-bbox="1011 1984 1428 1984">\$1,075.00</td></tr> </table>	<b>Component Description:</b>	Preparation of license application and construction permit	<b>Amount:</b>	\$1,075.00	<b>Component Description:</b>	This is internal engineering costs for preparation of the Form 2100 application	<b>Amount:</b>	\$437.97	<b>Component Description:</b>	Prepare engineering portion of FCC Form 2100	<b>Amount:</b>	\$1,075.00
<b>Component Description:</b>	Preparation of license application and construction permit												
<b>Amount:</b>	\$1,075.00												
<b>Component Description:</b>	This is internal engineering costs for preparation of the Form 2100 application												
<b>Amount:</b>	\$437.97												
<b>Component Description:</b>	Prepare engineering portion of FCC Form 2100												
<b>Amount:</b>	\$1,075.00												



## 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>\$14,699.28</b>	<b>\$5,599.28</b>		<b>\$3,225.00</b>	
MVPD Notification of Channel Change	<i>\$2,151.05</i>	\$2,151.05	N/A	\$775.00	The amount estimated is much higher than what our attorney charged us for this service.
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$500.00</i>	\$500.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$498.23</i>	\$498.23	N/A	\$0.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$2,450.00	N/A	\$2,450.00	N/A
<b>Sub-total</b>	\$14,699.28	\$5,599.28	N/A	\$3,225.00	N/A
<b>Total for all systems</b>	\$1,230,837.93	\$968,859.57	N/A	\$618,354.01	N/A

### Components

Actual Information Description	File Name
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MVPD Notification of Channel Change	<b>Component Description:</b>		Attorney fees for MVPD notice
	<b>Amount:</b>		\$775.00
	<b>Component Description:</b>		Internal staff time to compile and send MVPD letters
	<b>Amount:</b>		\$1,376.05
	<b>Component Description:</b>		Attorney services for notifying MPVD 's about channel change
	<b>Amount:</b>		\$775.00
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.		
Develop and air announcement of upcoming channel change	<b>Component Description:</b>		Develop and air channel change announcement
	<b>Amount:</b>		\$498.23
DTV Medical Facility Notification	<b>Component Description:</b>		Medical Notification mailing
	<b>Amount:</b>		\$2,450.00

Cost Information	Grand Total		
	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$1,230,837.93	\$968,859.57	\$618,354.01

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>Tina Simon</b>  <i>General Manager</i></p> <p>04/04/2020</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR 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).	
		<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>Tina Simon</b>  <i>General Manager</i></p> <p>04/04/2020</p>

## Attachments