

(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility 74112 Service: DTV Call WTOG Channel: 19 (UHF)

ID: File Sign: **0000027117** 

Number:

FRN: **0028930774** Date **11/13** 

Submitted: /2020

# Applicant Information

#### **Applicant Name, Type, and Contact Information**

Applicant	Address	Phone	Email	Applicant Type
CBS OPERATIONS INVESTMENTS INC. Doing Business As: CBS OPERATIONS INVESTMENTS INC.	Daniel G. Ryson 2020 M. St., NW - Licensing DEPT WASHINGTON, DC 20036 United States	+1 (202) 457- 4505	DRYSON@CBS.	Corporation

# Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email	
[Confidential]				

#### Preparer Contact Information

#### **Preparer Contact Name and Information**

Applicant	Address	Phone	Email
Daniel G Ryson ViacomCBS	Daniel G. Ryson 2020 M. St., NW - Licensing DEPT Washington, DC 20036 United States	+1 (202) 457- 4074	dryson@cbs. 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	Temporarily move to an interim site with a broadband antenna. Install a broadband transmitter capable of operating on pre and post transition channels for use when primary site is rebuilt with new antenna, transmission line, and transmitter equipment.

#### **Transmitters**

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

# Primary Transmitter

# **Existing Transmitter Information**

Section	Question	Response
Existing Transmitter Description	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
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	DCX
	Year	2001
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 kW

# Primary Transmitter

#### **New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTED-80
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	50.6 kW
	Justification for New Transmitter	Comark will not re-tune any IOT transmitter (see Attachment 1). Proposed "upgraded" transmitter (see Attachment 15) costs more than "non- upgraded" transmitter (see Attachment 3) which is basis for reimbursement.

# Primary Transmitter

# **Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes

	Power	500 kVA
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	200.0 feet
	Other Electrical Service	Yes
	Description	100 linear feet of 4- inch conduit.
	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	15 tons
	Other Size	N/A
Addition/Modification or	Does the Transmitter Building require an addition, modification, other leashold improvement?	Yes
	Size	3200.0 square feet
Channel 14 Costs	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

#### Primary Transmitter

#### **Other Transmitter Cost Not Listed**

Name	Description
Florida State Sales Tax	Florida State Sales Tax

#### 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	30 kW
	Justification for New Transmitter	Interim transmitter and site required while main tower is reinforced and main site is rebuilt. Broadband PAs specified. See Statement 2.

#### 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	150 kVA

	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	100.0 feet
	Other Electrical Service	Yes
	Description	Prepare electrical engineering drawings for work required at Interim Site. Install electrical wiring for transmitter, racks, etc.
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	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
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	Yes

#### Interim Transmitter

# Other Transmitter Cost Not Listed

Name	Description

Sales Tax State of Flor	ida Sales Tax
-------------------------	---------------

#### **Antennas**

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

#### **Add Antenna Information**

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	Emergency Only
	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	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	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)	298.0 kW

Manufacturer	
Model	SW-16
Year	1988

#### **New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Auxiliary (Backup)
	Description of Use	Auxiliary (Post Transition)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	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)	298.0 kW
	Manufacturer	

Model	TFU- 24DSC-R O4
Year	2019
Justification for New Antenna	Existing auxiliary antenna is narrowband and not suitable for use on channel 19.

#### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Туре	
	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
Elbow Complex	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
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes

Sweep Test	Do you require the sweep testing of	Yes
	transmission line and antenna?	

**Other Antenna Cost Not Listed** 

Information not provided.

### **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	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Bottom
	Polarization	Horizontal
	Туре	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)	550.0 kW

Manufacturer	
Model	TFU-30E
Year	1987

#### **New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	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)	700.0 kW
	Manufacturer	

Model	TFU-27ETT /VP-R O6
Year	2019
Justification for New Antenna	Present owned antenna is narrowband and will not work on post- transition channel.

### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	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
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	8 3/16 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No

Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes
------------	--	-----

#### **Other Antenna Cost Not Listed**

Name	Description
Mounting Adapter	Five foot Mounting Adapter allows antenna to mount onto tower top plate.

#### Interim Antenna

#### **New Antenna Costs**

escription of Use nange Type  vnership  vner  antenna shared?  antenna directional?	Interim  N/A  Rent Temporary  Leased  Florida West Coast Public Broadcasting, Inc.  No
nange Type  vnership  vner  antenna shared?	Rent Temporary  Leased  Florida West Coast Public Broadcasting, Inc.  No
vnership vner antenna shared?	Temporary  Leased  Florida West Coast Public Broadcasting, Inc.  No
vner antenna shared?	Florida West Coast Public Broadcasting, Inc.
antenna shared?	Coast Public Broadcasting, Inc.
antenna directional?	No
Il antenna be located on or in close oximity to an antenna farm?	No
ass	Full Power
ounting	Top Mount
itenna position in stack	Bottom
olarization	Horizontal
ре	Broadband Panel
umber of Stations Supported	1
ımber of Panels/Bays	12
wer Limit	470.00 MHz
pper Limit	713.00 MHz
esign power capacity in use	0.0 %
her Antenna Type	N/A
RP: (Effective Radiated Power)	417.0 kW
anufacturer	
	eximity to an antenna farm?  eass  counting  tenna position in stack  clarization  pe  comber of Stations Supported  comber of Panels/Bays  cover Limit  coper Limit  coper Limit  coper Antenna Type  RP: (Effective Radiated Power)

Model	TUP-05-12- 60-1
Year	2006
Justification for New Antenna	Renting Existing Antenna.

#### Interim Antenna

#### **Other Antenna Costs**

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

#### Interim Antenna

#### **Other Antenna Cost Not Listed**

Name	Description
Test Adapter	Test adapter for detailed measurement of interim antenna and line.

Transmission <sup>Seffien</sup>	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Auxiliary Add Transmission Line			
Transmissio	n Line Section	Question	Response
Existing Transmission Line Description	=	Type of change	Purchase New
		Use	Auxiliary (Backup)
	Description of Use	Backup	
	Ownership	Owned	
		Owner	N/A
Existing Transmission Line Manufacturer and Type		Site	N/A
	Is this transmission currently shared with any other stations?	No	
	Is Transmission Line in operating condition?	Yes	
	Manufacturer		
		Туре	Rigid
		Diameter	8 3/16 inches
		Other Diameter	N/A
		Segment Length	20 inches
		Other Segment Length	N/A
		Number of parallel runs	1
	Length	1000 feet per run	

#### **New Transmission Line**

# Auxiliary Transmission Line

New Transmission Line
Costs

Response
Auxiliary (Backup)
Backup
Purchase New
No
Rigid
6 1/8 inches
N/A
20 inches
N/A
1
1330 feet per run

Justification for New Transmission Line	Please see Statement 2 and Attachment 90. Note: We propose to replace 1,000 feet of 8 3/16- inch line with a greater length of less expensive 6 1/8-inch line to maintain pre- transition coverage
	transition
	excessive transmitter power or tower
	windloading.

Auxiliary Other Transmission Line Expenses Not Listed Transmission Line Expenses Not Listed Description of Provided.

# Primary Transmission Line

### **Existing Transmission Line**

on Line Section	Question	Response
Existing Transmission Line Description	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
Existing Transmission	Manufacturer	
Line Manufacturer and Type	Туре	Waveguide
	Diameter	N/A
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1492 feet per run

### **New Transmission Line**

Primary New Transmission Line			
Transmissio	on Line Section	Question	Response
New Transmission Line Costs		Use	Primary (Main)
		Description of Use	N/A
		Change Type	Purchase New
		Is this a request for upgraded equipment?	No
		Туре	Rigid
		Diameter	8 3/16 inches
		Other Diameter	N/A
		Segment Length	20 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	1540 feet per run
		Justification for New Transmission Line	Present waveguide will not work on post- transition channel and must be removed to reduce tower windloading. (Line Length reduced from 1600 to 1540 feet after 3/2019 site survey)

# Other Transmission Line Expenses Not Listed

Primary
Transmission of provided.

#### Interim

#### **New Transmission Line**

Transmissio	n Line Section	Question	Response
	New Transmission Line	Use	Interim
	Costs	Description of Use	N/A
		Change Type	Purchase New
		Туре	Rigid
		Diameter	6 1/8 inches
		Segment Length	20'
		Other Segment Length	
		Number of parallel runs	1
		Length	100 feet per run
	Justification for New Transmission Line	Required for interconnect to interim antenna.	

Interim Other Transmission Line Expenses Not Listed

Transmission loine tion 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

# Auxiliary Tower

#### **Add Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Auxiliary (Backup)
	Description of Use	Interim
	Ownership	Leased
	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)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	Unknown
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure	Do you have a tower registration number?	Yes
Registration	ASR Number	1211242
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	27° 50' 51.5" N-
	Longitude (NAD83)	082° 15' 49.4" W-
	Overall Structure Height	1571.83 feet
	Support Structure Height	1451.10 feet
	Ground Elevation Above Mean Sea Level (AMSL)	76.11 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Florida West Coast Public Broadcasting, Inc.
Date Constructed	12/07/1999

FM, AM or TV radio broadcasters. Facility ID's, Call Signs and Services of other broadcast stations with whom the tower is shared

Facility ID	Call Sign	Service
21808	WEDU	DTV

#### Auxiliary Tower

#### **Tower Modification Costs**

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	No study needed
Tower Reinforcements	Please select whether tower reinforcements are needed:	No reinforcements needed

#### Auxiliary Tower

#### **Tower Rigging Costs**

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

# Auxiliary Tower

# Other Tower Expenses Not Listed

Name	Description
FL State Use Tax	Florida 8.5% State Use Tax
Rent	Monthly Rental Fee for existing Tower, Antenna, Line, and Transmitter Room.

# Primary Tower

#### **Add Tower**

Section	Question	Response
Existing Tower Description	Type of change	Move Equipment
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	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?	Unknown
	Is tower compliant with Rev G?	No
Existing Tower	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1030952
Coordinates (NAD83 ( North American Datum	Latitude (NAD83)	27° 49' 47.1" N-
of 1983))	Longitude (NAD83)	082° 15' 58.3" W-
	Overall Structure Height	1574.13 feet
	Support Structure Height	1451.75 feet
	Ground Elevation Above Mean Sea Level (AMSL)	74.80 feet
	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
	Tower Owner	American Towers LLC

Date Constructed 02/01/2018

#### 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
Structural Engineering Primary Tower	Structural Analysis of Proposed Tower Loading
Tower Permit Packages	Construction drawings for tower, ground and building. Required for local permits.

### Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	250
	Explanation	Company lacks sufficient internal resources.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	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
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	No
Services	For Auxiliary Facility	N/A
	For Main Facility	N/A
	Prepare and file Form FCC License to Cover Application	No

	For Auxiliary Facility	N/A
	For Main Facility	N/A
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	ASR Modification	Yes
	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	No
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

#### Outside Professional

# Other Professional Services Expenses Not Listed

al	Services Costs	Description
	Architect Mechanical Electrical	Architect, Mechanical, and Electrical Engineering for Interim Site.
	Electrical Engineering - Primary Transmitter	Electrical Engineering for WTOG Transmitter Installation design, drawings for electrical permits.

# Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	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
Permit and Filing Costs	Local Zoning	Yes
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	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?	No
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	No
	Does this relocation require MVPD  Notification of a Channel Change?	Yes

# Other Expenses

## Other Expenses Not Listed

Name	Description
Microwave Frequency Coordination	Required Frequency Coordination for Relocation of the WTOG studio-to-transmitter microwave link.
STL and TSL FCC Fees	Application Processing Fees for License Application to relocate studio to transmitter and transmitter to studio microwave equipment. Please see Attachment 109 for a "quotation" of Fees.
Tower Decommission	Tower Decommissioning and Hazardous Materials Removal. See Attachment 115.
UPS Units	Replicate Small Percentage of Prior Site UPS Capability.
Waveguide Switch Controller	Unit that controls the transmitter/antenna system waveguide switch.

## **Cost Information**

### **Transmitters**

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

Description Interim Transmitter ULXTE-60	Predetermined Cost Estimate \$1,219,241.16	Estimated Cost \$1,229,073.38	Estimated Cost Justification	Actual Cost \$1,101,379.94	Actual Cost Justification
Sales Tax	\$61,260.16	\$61,260.16	State of Florida Sales Tax. Please see Attachment 59 (\$60,005.85) plus Attachment 88 (\$1,254.31).	\$61,260.16	N/A
UHF inside RF system including switching	\$147,500.00	\$143,500.00	Includes Attachment 21 Item C. There will also be some labor involved to install switching and transmission line.	\$100,047.68	N/A

Primary Transmitter ULXTED-80	\$1,766,421.91	\$1,749,460.13		\$1,576,647.73	
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$977,574.60	Includes Attachment 21 Items A, B, E and change orders shown in Attachment 22. Does not include RF Accessories, Step-Down transformer, and shipping shown elsewhere.	\$915,572.08	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$9,007.62	See Attachment 21, Item D	\$9,007.62	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	N/A	N/A
Electrical Service: Prepare electrical engineering drawings for work required at Interim Site. Install electrical wiring for transmitter, racks, etc.			Attachment 50 for electrical engineering drawings necessary to seek bids for actual wiring. See Attachment 64 for proposal of interim transmitter electrical installation.		

2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$460.00	Additional lights at transmitter and receptacles at switching section. Please see Attachment 118 for quotation.	\$460.00	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$78,298.22	Labor and Materials for WTOG transmitter replacement. See Attachments 55 (\$28,731.00) 97A (\$47,863.02), and 129 (\$1704.20).	\$66,805.82	N/A
UHF - Liquid Cooled Solid State Transmitter 50.6 kW	\$1,419,628.38	\$1,419,628.38	Please See Statement 2A. Includes installation; excludes freight. Also includes change orders shown in Attachment 89.	\$1,419,628.38	Sub total is equal to estimated cost.

Florida	\$89,753.53	\$89,753.53	See	\$89,753.53	N/A
State Sales			statement		
Tax			and Table 1		
			in		
			Attachment		
			80B. Also		
			sales tax on		
			new change		
			orders		
			shown in		
			Attachment		
			89.		
Other	\$91,200.00	\$91,200.00	2 story	N/A	N/A
Building			building with		
Addition			tiltup walls to		
Size: 3200.0			match		
			existing		
			broadcast		
			facility.		
			Includes		
			galvanized		
			stairs, steel		
			doors, and		
			concrete		
			block walls		
			for separate		
			tenant		
			suites. See		
			Attachments		
			5 and 6.		
15 Ton	\$55,800.00	\$42,400.00	See	N/A	N/A

Other	\$3,840.00	\$3,840.00	100' L/F of 4"	N/A	N/A
Electrical			conduit and		
Service:			larger		
100 linear			conductor to		
feet of 4-			adequately		
inch conduit.			bring an		
			additional		
			500 KVA		
			power		
			needed for		
			the new		
			transmitters,		
			HVAC, Air		
			handlers,		
			and house		
			power. See		
			Attachment 5.		
			, audominorit J.		
Transformer	\$48,400.00	\$18,400.00	Install 500	N/A	N/A
3 phase			KVA		
/480v - 500			transformer		
KVA			to support		
			transmitter,		
			heat		
			exchangers		
			and other		
			equipment		
			on the new		
			repack		
			frequency		
			into the		
			broadband		
			antenna.		
			See		
			Attachment		
			5.		
Service	\$14,400.00	\$5,480.00	Pro rata	N/A	N/A
entrance 3	ψ, .οο.οο	45, 100.00	cost. See	. 4/ / 1	. 4// 1
phase/800			Attachment 5.		
amp/208			, addinion o.		
volt					
Sub-total	\$2,985,663.07	\$2,978,533.51	N/A	\$2,678,027.67	N/A
Total for all	\$6,096,299.18	\$4,735,819.23	N/A	\$4,067,421.24	N/A

Actual Information Description	File Name	
Sales Tax	Component Description:  Amount:	Invoice is for transmitter progress payment. The portion shown here is the State of Florida Sales Tax only. \$60,005.85
	Amount:  Component Description:  Amount:	Transmitter RF Accessories Sales Tax. Please see Attachment 88. \$1,254.31

UHF inside RF system including switching

Component Description: Invoice is for

transmitter

progress payment. The portion shown here is the split appropriate for item C only.

**Amount:** \$41,857.66

Component Description: RF Accessories.

Please see Exhibit

88.

**Amount:** \$17,124.73

Component Description: Invoice is for

transmitter down payment originally

based on
Attachment 21
items A, B, C, D,
E. The portion
shown here is the
split appropriate
for item C only.

**Amount:** \$20,112.63

Component Description: Invoice is for

transmitter down payment originally

based on Attachment 21 items A, B, C, D, E. The portion shown here is the

split appropriate for item C only.

**Amount:** \$20,952.66

Other Electrical Service: Prepare electrical **Component Description:** Invoice is for engineering drawings for Electrical work required at Interim Engineering Site. Install electrical wiring drawings at the for transmitter, racks, etc. WTOG Interim site. \$4,000.00 Amount: **Component Description:** 40% down payment for WTOG transmitter installation and materials. See quote in Attachment 64. \$11,492.40 **Amount:** 3" Rigid Conduit and Wiring Information not provided. (Cost per foot)

Transformer 3 phase/480v - 150 KVA

Component Description: Invoice is for

transmitter

progress payment. The portion shown here is the split appropriate for line item D only.

**Amount:** \$2,464.24

Component Description: Invoice is for

transmitter down payment originally

based on
Attachment 21
items A, B, C, D,
E. The portion
shown here is the

split appropriate for items D only. (Fractional cent rounded up to assure split cost equals total invoice.)

**Amount:** \$3,338.62

Component Description: Invoice is for

transmitter down payment originally

based on
Attachment 21
items A, B, C, D,
E. The portion
shown here is the
split appropriate
for items D only.

**Amount:** \$3,204.76

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW Component Description: Interim transmitter

installation and proof. RF Accessories, Shipping, and Sales Tax shown separately. Please see Exhibit 88.

**Amount:** \$57,311.25

Component Description: Invoice is for

transmitter

progress payment.
The portion shown
here is the split
appropriate for
items A&B only.

**Amount:** \$224,401.03

Component Description: Invoice is for

transmitter down payment originally

based on Attachment 21 items A, B, C, D, E. The portion shown here is the split appropriate for items A&B

only.

**Amount:** \$310,446.81

Component Description: Invoice is for

transmitter down payment originally

based on

Attachment 21 items A, B, C, D, E. The portion shown here is the split appropriate for items A&B

only.

**Amount:** \$323,412.99

2" Rigid Conduit and Wiring (Cost per foot)	Component Description:  Amount:	Lights at transmitter. Receptacles in switching section. Please see Attachment 118 for quote. \$460.00
Switchgear - industrial 800 amp	Component Description:	Electrical materials for
		installation of primary transmitter. Please see Attachments 97 and 98.
	Amount:	\$8,000.00
	Component Description:	Electrical installation of Primary WTOG Transmitter.
	Amount:	\$41,567.22
	Component Description:	Down Payment for WTOG Primary Transmitter New Electrical Panel and Circuits.
	Amount:	\$17,238.60
UHF - Liquid Cooled Solid State Transmitter 50.6 kW		

Component Description: Invoice is for main

transmitter down payment originally

based on Attachment 2, which has since been superseded by Attachment 2A. See Statement 2.

**Amount:** \$430,923.86

Component Description: Please see

Statement in Attachment 80B.

**Amount:** \$227,280.57

Component Description: Invoice is for

transmitter change

orders, installation,

freight, and sales

tax. This is change orders.
Other items listed

separately.

**Amount:** \$17,568.77

Component Description: Invoice is for

transmitter change

orders, installation,

freight, and sales

tax. This is comparable

installation. Other

items listed

separately. Please see Attachment

89A.

**Amount:** \$75,690.77

	Component Description:	Invoice is for main transmitter
	Amount:	progress payment. \$668,164.41
Florida State Sales Tax		
	Component Description:	Please see Statement and Table 1 in Attachment 80B.
	Amount:	\$81,763.40
	Component Description:  Amount:	Invoice is for transmitter change orders, installation, freight, and sales tax. This is sales tax. Other items listed separately. \$7,990.13
Other Building Addition Size: 3200.0	Information not provided.	
15 Ton system	Information not provided.	
Other Electrical Service: 100 inear feet of 4-inch conduit.	Information not provided.	
Transformer 3 phase/480v - 500 KVA	Information not provided.	
Service entrance 3 phase //800 amp/208 volt	Information not provided.	

## **Cost Information**

#### **Antennas**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TUP-05-12- 60-1	\$374,144.11	\$11,099.11		\$11,099.11	
Test Adapter	\$4,914.11	\$4,914.11	See Attachment 30 for quote. Also Includes shipping shown in invoice 237003, Attachment 33B.	\$4,914.11	Includes shipping.
Sweep test of existing antenna	\$6,730.00	\$6,185.00	Please see estimates in Attachment 34 (preliminary measurement) and Attachment 36 (final measurement).	\$6,185.00	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$0.00	Renting an existing but unused antenna.	N/A	N/A

Interim antenna rental and installation - Cost will depend on antenna size and height and /or complexity of tower.	\$115,500.00	\$0.00	Antenna Rental Cost included in Tower Rent.	N/A	N/A
Primary Antenna TFU-27ETT /VP-R O6	\$323,090.00	\$228,388.00		\$212,159.70	
Mounting Adapter	\$11,610.00	\$11,610.00	Please see the Statement in Attachment 42 for information regarding a Change Order impacting this cost category.	\$11,610.00	N/A
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	\$15,250.00	\$13,583.00	See Attachment 13 Line Item 3	\$12,224.70	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	See Attachment 13 - Line item 24	\$5,760.00	N/A

UHF - High Power Top Mount (200-1000 kW), One station antenna, elliptically or circularly polarized	\$289,500.00	\$196,795.00	See Attachment 13 Line 1 minus \$29,175 for non- reimbursable V- Pol contribution and \$500 for a portion of the Mounting Adapter change order. Please see Attachment 42 for more information.	\$182,565.00	N/A
Auxiliary Antenna TFU- 24DSC-R O4	\$274,440.00	\$198,070.00		\$184,061.25	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,260.00	Per Cost Catalog	\$1,750.00	N/A
UHF - Lower Power Side Mount, One station antenna 200-500 kW, elliptically or circularly polarized	\$227,000.00	\$150,675.00	See Attachment 19A Line Item 1. This is for the Dielectric TFU-24DSC-R O4 antenna (Attachment 19A) that is now serving as an interim antenna. Cost shown here excludes V-Pol	\$143,696.25	N/A

Sweep test of existing	\$6,730.00	\$9,675.00	Existing Auxiliary and	\$6,155.00	N/A
antenna			Interim		
			antenna were		
			measured at		
			the same time		
			SO		
			measurement		
			cost was split		
			50/50 between		
			cost		
			categories. Also includes		
			new antenna		
			measurements.		
			See		
			Attachments		
			38 and 16A.		
Elbow	\$12,300.00	\$10,710.00	See	\$10,710.00	N/A
complex,	•	•	Attachment		
single			16A Line Item		
channel, at			4. This is for		
antenna			the		
input, per 6			comparable		
1/8.			Dielectric TFU-		
feedline (if			16DSC-R O4		
needed)			antenna, not		
			the upgraded		
			Dielectric TFU-		
			24DSC-R 04		
			antenna		
			(Attachment		
			19A) that we're		
			installing.		
Side mount	\$23,150.00	\$21,750.00	See	\$21,750.00	N/A
brackets			Attachment		
for high			19A for the		
power			Dielectric TFU-		
antennas			24DSC-R O4		
(if not			side mount		
included in			bracket		
antenna			estimate.		
base cost)					
Sub-total	\$971,674.11	\$437,557.11	N/A	\$407,320.06	N/A
Total for	\$6,096,299.18	\$4,735,819.23	N/A	\$4,067,421.24	N/A
all					
systems					

#### Components

Actual Information Description	File Name	
Test Adapter		
	Component Description:	Test adapter for 7- inch line. Required to determine that WEDU antenna and transmission line are viable and do not need to be replaced.
	Amount:	\$4,914.11
Sweep test of existing		
antenna	Component Description:	See Attachment 34 for quotation
	Amount:	\$2,910.00
	Component Description:  Amount:	Interim and Aux antenna and line were measured in the same trip so measurement cost was divided between cost categories. (Note: The company name includes an ampersand that Form won't accept.) \$3,275.00
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	Information not provided.	

Interim antenna rental and installation - Cost will depend on antenna size and height and/or complexity of tower.	Information not provided.	
Mounting Adapter	Component Description:	Mounting Adapter Down Payment. See Exhibit 13 for quote.
	Amount:	\$11,610.00
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	Component Description:	Elbow complex progress payment. See Attachment 52 for details.
	Amount:	\$6,112.35
	Component Description:	Elbow Complex down payment. See Attachment 13 for quote.
	Amount:	\$6,112.35
Sweep test of existing antenna	Component Description:	Sweep Test of New Antenna and Transmission Line - Progress Payment. See Attachment 52 for details.
	Amount:	\$2,880.00
	Component Description:	Sweep Test down payment. See Attachment 13 for quote.
	Amount:	\$2,880.00

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

Component Description: Primary Antenna

Minus V-Pol

progress payment. Includes Change Orders. See

Attachment 52 for

details.

**Amount:** \$93,782.25

Component Description: Primary Antenna

Minus V-Pol down payment. See Attachment 13 for

quote.

**Amount:** \$88,782.75

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)

Component Description: Create multiple

coverage

prediction maps based on five possible mounting configurations.

**Amount:** \$1,750.00

UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized

Component Description: Invoice is for aux

antenna, elbow complex, brackets, and line. This cost is aux antenna. Please see

Attachment 91.

**Amount:** \$88,650.00

Component Description: Invoice is down-

payment for

auxiliary antenna,

line, and accessories including some upgrades. This cost is comparable H-Pol antenna. Please see Attachment 62.

**Amount:** \$55,046.25

Sweep test	of existing
antenna	

Component Description: Invoice is down-

payment for

auxiliary antenna,

line, and

accessories including some

upgrades. This

cost is sweep

measurements of antenna. Please

see Attachment 62.

**Amount:** \$2,880.00

**Component Description:** Interim and Aux

antenna and line were measured in the same trip so measurement cost

was divided between cost categories. (Note: The company name includes an

ampersand that Form won't accept.)

**Amount:** \$3,275.00

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)

Component Description: Invoice is for aux

antenna, elbow complex, brackets, and line. This cost is elbow complex.

Please see Attachment 91.

**Amount:** \$5,890.50

Component Description: Invoice is down-

payment for

auxiliary antenna,

line, and accessories including some upgrades. This cost is for elbow complex. Please see Attachment 62.

**Amount:** \$4,819.50

Side mount brackets for high power antennas (if not included in antenna base cost)

Component Description: Invoice is for aux

antenna, elbow complex, brackets, and line. This cost is side-mount bracket. Please see Attachment 91.

**Amount:** \$14,358.75

Component Description: Invoice is down-

payment for

auxiliary antenna,

line, and accessories including some upgrades. This cost is for comparable brackets. Please

see Attachment 62.

**Amount:** \$7,391.25

## **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
Interim Transmission Line	\$20,200.00	\$340.86		\$340.86	
Rigid Transmission Line - copper, 6 1/8"	\$20,200.00	\$340.86	Transmission Line Rent included in Tower Rent. One connector was required to interface to existing line. Please see Attachment 75.	\$340.86	N/A
Primary Transmission Line	\$534,380.00	\$338,085.00		\$304,276.50	
Rigid Transmission Line - copper, 8 3 /16"	\$534,380.00	\$338,085.00	See Attachment 13, Line Item 4 and Attachment 39.	\$304,276.50	N/A
Auxiliary Transmission Line	\$558,660.00	\$210,371.25		\$208,768.25	

Rigid	\$268,660.00	\$110,852.29	We've	\$109,249.29	N/A
Transmission			replaced		
Line -			1,000 feet of		
copper, 6 1/8"			8 3/16-inch		
			line with		
			1,300 feet of		
			less		
			expensive 6 1		
			/8-inch line		
			to maintain		
			pre-transition		
			coverage		
			with less		
			tower		
			loading and		
			transmitter		
			power. Cost		
			shown		
			excludes		
			already		
			reimbursed		
			\$99518.96 in		
			locked cost		
			category.		
Rigid	\$290,000.00	\$99,518.96	***System	\$99,518.96	N/A
Transmission			Notice:		
Line -			Estimate		
copper, 73			adjusted and		
/16"			locked		
			because line		
			has been		
			superseded.		
			***Please		
			see quote		
			provided as		
			Attachment		
			19A and		
			Changer		
			Order		
			Attachment		
			90. Note: We		
			are replacing		
			existing 8 3		
			/16-inch line		
			with less		
			expensive 6 1		
			/8-inch line.		
	<b>.</b>	<b></b>		<b>A</b> =12 · ·	
Sub-total	\$1,113,240.00	\$548,797.11	N/A	\$513,385.61	N/A

Total for all	\$6,096,299.18	\$4,735,819.23	N/A	\$4,067,421.24	N/A
systems					

## Components

Actual Information Description	File Name	
Rigid Transmission Line - copper, 6 1/8"	Component Description:  Amount:	Connector Required to Attach Transmission Line to Antenna System. \$340.86
	Component Description: Amount:	Please see Attachment 75 \$340.86
Rigid Transmission Line - copper, 8 3/16"	Component Description:  Amount:	Primary Transmission Line Progress Payment. See Attachment 52 for details. \$152,138.25
	Component Description:	Primary Transmission Line. See Attachments 13 and 39 for quotes.
	Amount:	

Rigid Transmission Line - copper, 6 1/8"

Component Description: Cut length of

transmission line.

Please see Attachment 92.

**Amount:** \$1,718.50

Component Description: Invoice is for aux

antenna, elbow complex, brackets, and line. This cost is aux line. Please see Attachment

91.

**Amount:** \$102,259.79

Component Description: Auxiliary

Transmission Line Cut Sections. Please see Attachment 130.

**Amount:** \$5,155.50

**Component Description:** Auxiliary

transmission line saddle kit. Please see change order in Attachment

101B.

**Amount:** \$115.50

Rigid Transmission Line - copper, 7 3/16"

Component Description: Invoice is down-

payment for

auxiliary antenna,

line, and accessories including some upgrades. This

cost is

transmission line.

Please see Attachment 62.

**Amount:** \$99,518.96

## **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
Auxiliary Tower TOWER	\$454,860.00	\$244,360.00		\$242,331.18	
Tall Tower (greater than 500')	\$210,500.00	\$0.00	No Rigging Necessary. Antenna and Line are existing.	N/A	N/A
FL State Use Tax	\$16,860.00	\$16,860.00	Florida State Sales and Use Tax calculated using procedures explained in Attachment 69. Tax is \$1,405.00 for most months. The total is based on a May 2019 through May 2020 construction period.	\$15,414.61	N/A

Sub-total	\$676,260.00	\$460,260.00	N/A	\$243,831.18	N
Tall Tower (greater than 500')	\$210,500.00	\$205,000.00	Cost Catalog Pricing.	N/A	N/.
Tower Permit Packages	\$9,400.00	\$9,400.00	Generate construction drawings of tower, ground, and building for local permits. See Attachments 5 and 6.	N/A	N/A
Structural Engineering Primary Tower	\$1,500.00	\$1,500.00	Please see Attachment 122 for Preliminary Structural Analysis Quote	\$1,500.00	N/A
Primary Tower GTOWER	\$221,400.00	\$215,900.00		\$1,500.00	
Rent	\$227,500.00	\$227,500.00	\$17,500 per month rental fee for existing tower, antenna, transmission line, and transmitter room.  Based on presumed 13 month construction period (May 1, 2019 through May 31, 2020).	\$226,916.57	N/A

## Components

Actual Information Description	File Name	
Tall Tower (greater than 500')	Information not provided.	
FL State Use Tax		
	Component Description:  Amount:	Tower Rental Florida Sales and Use Tax for April, 2020. Please see Attachment 96. \$1,382.45
	, <b>.</b>	<b>4.,332</b> 3
	Component Description:	Tower Rental Florida Sales and Use Tax for October, 2019. Please see Attachment 72A.
	Amount:	\$1,405.00
	Component Description:	Tower Rental Florida Sales and Use Tax for Partial May and Full June, 2019. Please see Attachment 68A.
	Amount:	\$2,792.16
	Component Description:	Tower Rental Florida Sales and
		Use Tax for August, 2019. Please see Attachment 70A.
	Amount:	\$1,405.00

Component Description: Tower Rental

Florida Sales and

Use Tax for January, 2020. Please see Attachment 78.

**Amount:** \$1,405.00

Component Description: Tower Rental

Florida Sales and

Use Tax for

September, 2019.

Please see

Attachment 71A.

**Amount:** \$1,405.00

Component Description: Tower Rental

Florida Sales and

Use Tax for November, 2019.

Please see

Attachment 73A.

**Amount:** \$1,405.00

Component Description: Tower Rental

Florida Sales and Use Tax for March, 2020. Please see Attachment 94.

**Amount:** \$1,405.00

Component Description: Tower Rental

Florida Sales and

Use Tax for December, 2019.

Please see Attachment 82.

**Amount:** \$1,405.00

**Tower Rental Component Description:** 

> Florida Sales and Use Tax for July, 2019. Please see Attachment 69A.

\$1,405.00 Amount:

Rent

**Component Description:** May 2019 Rent

(Partial Month)

Amount: \$16,916.57

**Component Description:** Partial

> Reimbursement for interim antenna and transmitter room rent. Please see Attachment

102.

Amount: \$17,500.00

**Component Description:** April 2020 Rent

Amount: \$17,500.00

**Component Description:** January 2020 Rent

\$17,500.00 Amount:

**Component Description:** July 2019 Rent

\$17,500.00 Amount:

**Component Description:** November 2019

Rent

Amount: \$17,500.00

**Component Description:** December 2019

Rent

Amount: \$17,500.00 **Component Description: Amount:** 

\$17,500.00

June 2019 Rent

**Component Description:** 

October 2019 Rent

Amount:

\$17,500.00

**Component Description:** 

Amount:

March 2020 Rent

\$17,500.00

**Component Description:** 

February 2020

Rent.

Amount:

\$17,500.00

**Component Description:** 

Amount:

August 2019 Rent

\$17,500.00

**Component Description:** 

September 2019

Rent.

Amount:

Amount:

\$17,500.00

Structural Engineering

Primary Tower

**Component Description:** 

Preliminary

Structural Analysis

\$1,500.00

Tower Permit Packages

Information not provided.

Tall Tower (greater than

Information not provided.

500')

### **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 Outside Professional Services	Predetermined Cost Estimate \$119,865.00	Estimated Cost \$81,379.50	Estimated Cost Justification	Actual Cost \$46,154.72	Actual Cos Justificatio
Project management of the transition	\$39,500.00	\$37,500.00	Company lacks sufficient internal resources. See also Attachment 5.	\$24,070.63	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,050.00	Cost Catalog Pricing.	\$1,050.00	N/A
Electrical Engineering - Primary Transmitter	\$4,000.00	\$4,000.00	Transmitter installation electrical engineering design for permits. Please see Attachment 99.	\$4,000.00	N/A

Architect Mechanical Electrical	\$17,500.00	\$17,500.00	Architect, Mechanical, Electrical. Please see proposal provided as Attachment 84. Does not include expenses or additional hourly fees.	\$10,184.09	N/A
RF Exposure Measurements	\$21,050.00	\$3,750.00	RF Exposure measurements to demonstrate RF fields are less than FCC limits. See Attachment 5.	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$167.00	See Attachment 5.	N/A	N/A
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$1,250.00	See Attachment 5.	N/A	N/A
NEPA Section 106 environmental review, if needed	\$6,310.00	\$1,350.00	See Attachment 5.	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$5,000.00	See Attachment 5.	\$3,537.50	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 engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,312.50	Additional engineering work and Construction Permit modification was required when initial site became unavailable. See Exhibits 20, 27, and 29.	\$3,312.50	Unexpected loss of main and interim site See Statement 2.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Sub-total	\$119,865.00	\$81,379.50	N/A	\$46,154.72	N/A
Total for all systems	\$6,096,299.18	\$4,735,819.23	N/A	\$4,067,421.24	N/A

### Components

Actual Information Description	File Name
Project management of the transition	

**Component Description:** Project

Management.

**Amount:** \$2,132.12

Component Description: roject

Management -

Through June 26,

2020.

**Amount:** \$4,237.50

**Component Description:** Project

Management -Through June 29,

2019.

**Amount:** \$3,450.00

Component Description: Project

Management of project through December, 2019.

Please see Attachment 79A.

Includes receipts.

**Amount:** \$3,861.40

Component Description: Project

Management through September 8,

2019.

**Amount:** \$3,150.60

**Component Description:** Project

Management -Through February

28, 2020.

**Amount:** \$2,620.35

**Component Description: Project** 

Management of project through July, 2019. Please see Attachment

83.

\$3,450.00 Amount:

**Component Description: Project** 

> Management of project through October, 2019. Please see Attachment 66.

**Amount:** \$4,618.66

RF Consulting Engineer Fees- Aux Antenna:

Prepare engineering section of FCC Form 2100, Construction Permit

Application

**Component Description:** Prepare

> Engineering Portions of CP Modification.

Amount: \$1,050.00

Electrical Engineering -**Primary Transmitter** 

**Component Description:** 

Transmitter installation engineering and drawings for local permits. Note: Form 399 doesn't

allow the

ampersand in the actual company

name.

Amount: \$4,000.00

Architect Mechanical Electrical		
Electrical	Component Description:	Architectural Services, Site
		visit. See
		Attachment 84 for
		proposal and
		Attachment 86 for
		invoice. Includes
		travel expenses
		but excludes
		expense markups.
		Note form won't
		accept ampersand
		in vendor name.
	Amount:	\$10,184.09
RF Exposure Measurements	Information not provided.	
ASR modification (prepare FCC Form 854)	Information not provided.	
Environmental Assessment, if triggered by NEPA Section 106 review or for	Information not provided.	
certain structures over 450 feet		
NEPA Section 106 environmental review, if	Information not provided.	

Component Description:	Study suitability of
- Component 2 coomponent	WEDU antenna as
	primary. See
	Statement 2.
Amount:	\$812.50
Component Description:	Preliminary
	evaluation of
	WEDU site
	suitability.
Amount:	\$725.00
Company and Books in the	Frankris ATC
Component Description:	Evaluate ATC
	Riverview-1
Annanust	antenna and site.
Amount:	\$937.50
Component Description:	Evaluate viability
	of existing
	Riverview-2 Site.
Amount:	\$1,062.50
Information not provided.	
	Component Description:  Amount:  Component Description:  Amount:  Component Description:

Prepare engineering section of FCC Form 2100 (main), Construction Permit	Component Description:	Complete Engineering for CP Mod back to
	Amount:	Riverview-2 site. \$800.00
	Component Description:	Prepare CP Engineering for
	Amount:	Riverview-1 site. \$1,387.50
	Component Description:	Preliminary Engineering for CP at Riverview-2
	Amount:	site. \$1,125.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare request for Special Temporary Authorization	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 Cos Justificatio
Other Expenses	\$229,597.00	\$229,292.00		\$178,702.00	
Waveguide Switch Controller	\$3,815.70	\$3,815.70	Please see Attachment 125 for a quotation for the waveguide switch controller, cable, shipping, and tax. Required to safely control the switch.	\$3,815.70	N/A
UPS Units	\$4,482.96	\$4,482.96	Uninterruptible Power Supply Units. Functionally replace a very large unit at the prior WTOG site that could not be rebuilt for repack. Includes tax and freight. Please see Attachment 120 for quotation.	\$4,482.96	N/A

Tower Decommission	\$89,745.00	\$89,745.00	Flat rate cost to remove hazardous materials from pre-transition WTOG site that could not economically support repack. Please see Attachment 115.	\$89,745.00	N/A
Equipment Delivery and Handling Charges	\$75,773.34	\$75,773.34	See Attachments 2A and 21 (\$11,000 each) plus Attachment 43 (\$2,925). Includes actual shipping shown in Attachments 88, 89, 101, and 131.	\$64,773.34	N/A
Non-zoning permits	\$4,700.00	\$4,700.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,110.00	Please see "quote" - FCC Media Bureau Filing Fee Guide provided as Attachment 112.	\$1,110.00	N/A
MVPD Notification of Channel Change	\$1,950.00	\$1,950.00	See quotation in Attachment 105	\$1,950.00	N/A

Microwave Frequency Coordination	\$900.00	\$900.00	Required Frequency Coordination for Relocating WTOG microwave equipment to the new tower. See quote as Attachment 107.	\$900.00	N/A
Local Zoning	\$4,700.00	\$4,700.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$335.00	Please see "quote" FCC Media Bureau Fee Filing Guide Attachment 112.	\$335.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,250.00	See Attachments 12 and 103. Due to ongoing changes and construction delays, there have been three DTV Notification mailings each at \$3,750	\$11,250.00	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	\$30,000.00	\$30,000.00	Assorted disposal cost for equipment and other waste. For example, see Attachments 10 and 11.	N/A	N/A
STL and TSL FCC Fees	\$340.00	\$340.00	Two FCC Wireless Bureau License Modification Application Processing Fees - \$170 each. Please see "quotation" in Attachment 109 the Wireless Bureau Fee Filing Guide.	\$340.00	N/A
Sub-total	\$229,597.00	\$229,292.00	N/A	\$178,702.00	N/A
Total for all systems	\$6,096,299.18	\$4,735,819.23	N/A	\$4,067,421.24	N/A

### Components

Actual Information Description	File Name	
Waveguide Switch Controller		
	Component Description:	Includes controller,
		cable, shipping,
		and tax. Please
		see Attachment
		125 for quotation.
	Amount:	\$3,815.70

	O	Torra LIDO Llasta
	Component Description:	Two UPS Units.
		Please see
		Attachment 120
		for a quotation.
	Amount:	\$4,482.96
Tower Decommission		
	<b>Component Description:</b>	Hazardous
		Materials
		Removal. Please
		see Attachment
		115 for quotation
		•

Equipment Delivery and		
Handling Charges	Component Description:	Aux Antenna and Transmission Line Shipping. Please see Attachment
	Amount:	131. \$14,180.00
	Component Description:	Interim transmitter shipping. Actual shipping exceeded estimate. Please see Attachment
	Amount:	88. \$21,693.50
	Component Description:	Shipping of Aux Antenna Saddle Kit. Please see Attachment 101B.
	Amount:	\$122.94
	Component Description:	Invoice is for transmitter change orders, installation, freight, and sales tax. This is shipping. Other items listed separately. Please see Attachment 89A.
	Amount:	89A. \$25,851.90
	Component Description:	Transport of Interim transmitter from storage to interim site.
	Amount:	\$2,925.00

Information not provided.

Non-zoning permits

FCC Filing Fees - Form 2100 minor change CP application	Component Description:	FCC Construction
аррисацоп		Permit Application
	Amazinti	Filing Fee.
	Amount:	\$1,110.00
MVPD Notification of		
Channel Change	<b>Component Description:</b>	MVPD Notification.
		Please see quote
	A	in Attachment 105.
	Amount:	\$1,950.00
Microwave Frequency		
Coordination	Component Description:	Necessary
		Frequency
		Coordination for
		relocation of
		WTOG microwave
		equipment to new tower. Please see
		Attachment 107
		for quotation.
	Amount:	\$900.00
Local Zoning	Information not provided.	
FCC Filing Fees - Form		
2100 license to cover	Component Description:	FCC Filing Fee -
application		WTOG Auxiliary
		Antenna License
		Application
	Amount:	\$335.00

DTV Medical Facility Notification	Common on the Common time.	Llaskh Cara
	Component Description:	Health Care Notification -
		Second Mailing.
	Amount:	\$3,750.00
	Component Description:	Health Care
		Notification - Third
	Amount:	Mailing \$3,750.00
	Amount.	ψ3,730.00
	Component Description:	Health Care
		Notification.
	Amount:	\$3,750.00
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
STL and TSL FCC Fees		
	Component Description:	FCC Application Processing Fee for Studio to Transmitter
	Amount:	microwave link. \$170.00
	Component Description:	FCC Application
	Component Description.	Processing Fee for Transmitter to
		Studio microwave
		link.
	Amount:	\$170.00

## Cost Information

#### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$6,096,299.18	\$4,735,819.23	\$4,067,421.24

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

Section Question Response

### Submission of Estimated Expenses Statements

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.

- 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.
- 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.
- 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.

- 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 abovenamed applicant for the Authorization(s) specified above. Andrew J Siegel Assistant Secretary

11/13/2020

Section Question Response

# Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (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).

- 1. The Authorized
  Person signing
  below certifies and
  represents that he
  /she is authorized to
  submit this TV
  Broadcaster
  Relocation Fund
  Reimbursement
  Form on behalf of
  the above-named
  entity.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.

- 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.

- 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 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.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Andrew J Siegel Assistant Secretary

11/13/2020

#### **Attachments**