



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **74112** | Service: **DTV** | Call **WTOG** | Channel: **19 (UHF)** |
ID: | Sign:
File **0000027117**
Number:
FRN: **0028930774** | Date **06/08**
Submitted: **/2021**

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. COM	Corporation

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
Daniel G Ryson <i>ViacomCBS</i>	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

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 and Type	Manufacturer	
	Model	DCX
	Year	2001
	Type	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.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	15 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold 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
	Number of Days	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
	Type	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 leasehold 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
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Sales Tax	State of Florida Sales Tax
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Antennas

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

**Auxiliary
Antenna****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 Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	298.0 kW

Manufacturer	
Model	SW-16
Year	1988

**Auxiliary
Antenna**

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 Manufacturer and Types	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	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.

Auxiliary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
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 transmission line and antenna?	Yes
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**Auxiliary
Antenna**

Other Antenna Cost Not Listed

Information not provided.

**Primary
Antenna**

Existing Antenna Information

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

Manufacturer	
Model	TFU-30E
Year	1987

Primary
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Bottom
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	700.0 kW
	Manufacturer	

Model	TFU-24EBT /VP-R O6
Year	2021
Justification for New Antenna	Present owned antenna is narrowband and will not work on post-transition channel.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	7 3/16 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	
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
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**Primary
Antenna**

Other Antenna Cost Not Listed

Name	Description
Mounting Adapter	Two Mounting Adapters required to support stacked antennas.
Feed Through Complex	Feed Through Complex for Upper Antenna in Stack

**Interim
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Rent Temporary
	Ownership	Leased
	Owner	Florida West Coast Public Broadcasting, Inc.
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Bottom
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	1
	Number of Panels/Bays	12
	Lower Limit	470.00 MHz
	Upper Limit	713.00 MHz
	Design power capacity in use	0.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	417.0 kW
	Manufacturer	

	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 Line

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

Auxiliary Transmission Line

Add Transmission 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
	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	
	Type	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

Auxiliary
Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Auxiliary (Backup)
	Description of Use	Backup
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	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 without excessive transmitter power or tower windloading.
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Auxiliary **Other Transmission Line Expenses Not Listed**
Transmission Line Information not provided.

**Primary
Transmission Line**

Existing Transmission 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 Line Manufacturer and Type	Manufacturer	
	Type	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

Primary **New Transmission Line**
Transmission 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
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1600 feet per run
	Justification for New Transmission Line	WTOG owns no transmission line on the leased tower. Existing WTOG tower found structurally insufficient for repack.

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

Information not provided.

Interim
Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	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
Transmission Line

Other Transmission Line Expenses Not Listed

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

**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 Registration	Do you have a tower registration number?	Yes
	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
Rent	Monthly Rental Fee for existing Tower, Antenna, Line, and Transmitter Room.
FL State Use Tax	Florida 8.5% State Use Tax

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 Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1030952
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	27° 49' 47.1" N-
	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
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**Primary
Tower**

Tower Rigging Costs

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

**Primary
Tower**

Other Tower Expenses Not Listed

Name	Description
Tower Permit Packages	Construction drawings for tower, ground and building. Required for local permits.
Structural Engineering Primary Tower	Structural Analysis of Proposed Tower Loading
Rigging Sales Tax	Sales Tax for Tower Rigging

**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 Services	Prepare and file Form FCC Construction Permit Application	No
	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 Services Costs

Other Professional Services Expenses Not Listed

Name	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
Florida State Sales Tax	Florida State Sales Tax
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	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmitter ULXTE-60	\$1,219,241.16	\$1,229,073.38		\$1,101,379.94	
Sales Tax	<i>\$61,260.16</i>	\$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

Other Electrical Service: Prepare electrical engineering drawings for work required at Interim Site. Install electrical wiring for transmitter, racks, etc.	\$32,731.00	\$32,731.00	See Attachment 50 for electrical engineering drawings necessary to seek bids for actual wiring. See Attachment 64 for proposal of interim transmitter electrical installation.	\$15,492.40	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	N/A	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$9,007.62	See Attachment 21, Item D	\$9,007.62	N/A
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
Primary Transmitter ULXTED-80	\$1,766,421.91	\$1,749,460.13		\$1,576,647.73	

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

Other Electrical Service: 100 linear feet of 4-inch conduit.	\$3,840.00	\$3,840.00	100' L/F of 4" conduit and larger conductor to adequately bring an additional 500 KVA power needed for the new transmitters, HVAC, Air handlers, and house power. See Attachment 5.	N/A	N/A
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
Transformer 3 phase /480v - 500 KVA	\$48,400.00	\$18,400.00	Install 500 KVA transformer to support transmitter, heat exchangers and other equipment on the new repack frequency into the broadband antenna. See Attachment 5.	N/A	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
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$5,480.00	Pro rata cost. See Attachment 5.	N/A	N/A
Sub-total	\$2,985,663.07	\$2,978,533.51	N/A	\$2,678,027.67	N/A
Total for all systems	\$6,723,659.93	\$5,702,742.85	N/A	\$4,893,825.63	N/A

Components

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

UHF inside RF system
including switching

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

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:

RF Accessories.
Please see Exhibit 88.

Amount:

\$17,124.73

Component Description:

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

Amount:

\$41,857.66

Other Electrical Service: Prepare electrical engineering drawings for work required at Interim Site. Install electrical wiring for transmitter, racks, etc.	<table> <tr> <td data-bbox="711 98 1145 448">Component Description:</td><td data-bbox="1145 98 1428 448">40% down payment for WTOG transmitter installation and materials. See quote in Attachment 64.</td></tr> <tr> <td data-bbox="711 448 1145 560">Amount:</td><td data-bbox="1145 448 1428 560">\$11,492.40</td></tr> <tr> <td data-bbox="711 560 1145 806">Component Description:</td><td data-bbox="1145 560 1428 806">Invoice is for Electrical Engineering drawings at the WTOG Interim site.</td></tr> <tr> <td data-bbox="711 806 1145 925">Amount:</td><td data-bbox="1145 806 1428 925">\$4,000.00</td></tr> </table>	Component Description:	40% down payment for WTOG transmitter installation and materials. See quote in Attachment 64.	Amount:	\$11,492.40	Component Description:	Invoice is for Electrical Engineering drawings at the WTOG Interim site.	Amount:	\$4,000.00
Component Description:	40% down payment for WTOG transmitter installation and materials. See quote in Attachment 64.								
Amount:	\$11,492.40								
Component Description:	Invoice is for Electrical Engineering drawings at the WTOG Interim site.								
Amount:	\$4,000.00								
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.								

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. Amount: \$3,204.76
	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
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	

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:	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:	\$323,412.99

UHF - Liquid Cooled Solid
State Transmitter 50.6 kW

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:

Please see Statement in Attachment 80B.

Amount:

\$227,280.57

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:

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 progress payment. Amount: \$668,164.41
Other -- Building Addition Size: 3200.0	Information not provided.
Florida State Sales Tax	Component Description: Invoice is for transmitter change orders, installation, freight, and sales tax. This is sales tax. Other items listed separately. Amount: \$7,990.13 Component Description: Please see Statement and Table 1 in Attachment 80B. Amount: \$81,763.40
15 Ton system	Information not provided.
Other Electrical Service: 100 linear feet of 4-inch conduit.	Information not provided.
2" Rigid Conduit and Wiring (Cost per foot)	Component Description: Lights at transmitter. Receptacles in switching section. Please see Attachment 118 for quote. Amount: \$460.00
Transformer 3 phase/480v - 500 KVA	Information not provided.

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
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	
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
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
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

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.
Primary Antenna TFU-24EBT /VP-R O6	\$392,491.00	\$631,630.37		\$622,545.50	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$545,241.37	See Attachment 137 for statement and reconciliation. Includes Prior Antenna write-down cost (\$148,000 minus \$18,609.63 for non-reimbursable V-Pol) plus Future Antenna estimated cost (\$415,851.00). Excludes \$23,850 for non-reimbursable V-Pol.	\$544,759.40	N/A
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	\$15,250.00	\$12,224.70	***System Notice: Estimate adjusted and locked because line has been superseded. ***See Attachment 138 Line Item 4.	\$12,224.70	N/A

Mounting Adapter	\$45,600.00	\$45,600.00	Please see Attachment 138 line items 2 (\$20,175.00) and 3 (\$25,425.00) for two mounting adapters required for this bottom-stacked antenna.	\$41,040.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	See Attachment 13 - Line item 24	\$5,760.00	N/A
Feed Through Complex	\$21,511.00	\$21,511.00	Required to support existing, top-mounted stacked antenna after replacing bottom-mounted stacked antenna. Please see Attachment 138, line 5 for quote.	\$19,395.90	N/A
Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	\$13,900.00	\$653.30	With a change in line size, the elbow complex changed. The estimated \$653.30 represents the increase in estimated cost (see Attachment 138 line item 4) over the value of prior reimbursements in a now-locked cost category.	(\$634.50)	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
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,710.00	See Attachment 16A Line Item 4. This is for the comparable Dielectric TFU- 16DSC-R O4 antenna, not the upgraded Dielectric TFU- 24DSC-R O4 antenna (Attachment 19A) that we're installing.	\$10,710.00	N/A
Sweep test of existing antenna	\$6,730.00	\$9,675.00	Existing Auxiliary and 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.	\$6,155.00	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 upgrade.	\$143,696.25	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$21,750.00	See Attachment 19A for the Dielectric TFU- 24DSC-R O4 side mount bracket estimate.	\$21,750.00	N/A
Sub-total	\$1,041,075.11	\$840,799.48	N/A	\$817,705.86	N/A
Total for all systems	\$6,723,659.93	\$5,702,742.85	N/A	\$4,893,825.63	N/A

Components

Actual Information	
Description	File Name
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	Information not provided.

Sweep test of existing antenna	Component Description: See Attachment 34 for quotation Amount: \$2,910.00
Interim antenna rental and installation - Cost will depend on antenna size and height and/or complexity of tower.	Information not provided.
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

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

Component Description:

Invoice is progress payment for antenna, Mounting Adapters, Elbow Complex, Feedthru complex, transmission line and sweep test. This cost is antenna H-Pol. Please see Attachment 141A for statement and reconciliation.

Amount:

\$299,626.27

Component Description:

Primary Antenna Minus V-Pol progress payment. Includes Change Orders. See Attachment 52 for details.

Amount:

\$93,782.25

Component Description:

Invoice is for primary antenna. Deductions for prior down-payment and remaining 10% of non-reimbursable V-Pol. Please see Attachment 144.

Amount:

\$62,568.13

Component Description:

Primary Antenna Minus V-Pol down payment. See Attachment 13 for quote.

Amount:

\$88,782.75

Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	<table> <tr> <td data-bbox="710 168 1013 212">Component Description:</td><td data-bbox="1149 168 1380 324">Elbow complex progress payment. See Attachment 52 for details.</td></tr> <tr> <td data-bbox="710 324 821 369">Amount:</td><td data-bbox="1149 324 1268 369">\$6,112.35</td></tr> <tr> <td data-bbox="710 470 1013 515">Component Description:</td><td data-bbox="1149 470 1380 627">Elbow Complex down payment. See Attachment 13 for quote.</td></tr> <tr> <td data-bbox="710 627 821 672">Amount:</td><td data-bbox="1149 627 1268 672">\$6,112.35</td></tr> </table>	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
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								
Mounting Adapter	<table> <tr> <td data-bbox="710 795 1013 840">Component Description:</td><td data-bbox="1149 795 1380 1355">Invoice is progress payment for antenna, Mounting Adapters, Elbow Complex, Feedthru complex, transmission line and sweep test. This cost is antenna mounting adapter. Please see Attachment 141A for statement and reconciliation.</td></tr> <tr> <td data-bbox="710 1355 821 1400">Amount:</td><td data-bbox="1149 1355 1284 1400">\$29,430.00</td></tr> <tr> <td data-bbox="710 1500 1013 1545">Component Description:</td><td data-bbox="1149 1500 1364 1657">Mounting Adapter Down Payment. See Exhibit 13 for quote.</td></tr> <tr> <td data-bbox="710 1657 821 1702">Amount:</td><td data-bbox="1149 1657 1284 1702">\$11,610.00</td></tr> </table>	Component Description:	Invoice is progress payment for antenna, Mounting Adapters, Elbow Complex, Feedthru complex, transmission line and sweep test. This cost is antenna mounting adapter. Please see Attachment 141A for statement and reconciliation.	Amount:	\$29,430.00	Component Description:	Mounting Adapter Down Payment. See Exhibit 13 for quote.	Amount:	\$11,610.00
Component Description:	Invoice is progress payment for antenna, Mounting Adapters, Elbow Complex, Feedthru complex, transmission line and sweep test. This cost is antenna mounting adapter. Please see Attachment 141A for statement and reconciliation.								
Amount:	\$29,430.00								
Component Description:	Mounting Adapter Down Payment. See Exhibit 13 for quote.								
Amount:	\$11,610.00								

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
Feed Through Complex	Component Description: Invoice is progress payment for antenna, Mounting Adapters, Elbow Complex, Feedthru complex, transmission line and sweep test. This cost is antenna feed through complex. Please see Attachment 141A for statement and reconciliation. Amount: \$19,395.90

Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	Component Description: Invoice is progress payment for antenna, Mounting Adapters, Elbow Complex, Feedthru complex, transmission line and sweep test. This is a cost adjustment for a less expensive elbow complex. Please see Attachment 141A for statement and reconciliation. Amount: (\$634.50)
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

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

Sweep test of existing antenna	<table><tr><td data-bbox="694 89 1109 784">Component Description:</td><td data-bbox="1109 89 1428 784">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.)</td></tr><tr><td data-bbox="694 784 1109 828">Amount:</td><td data-bbox="1109 784 1428 828">\$3,275.00</td></tr><tr><td data-bbox="694 828 1109 1357">Component Description:</td><td data-bbox="1109 828 1428 1357">Invoice is down-payment for auxiliary antenna, line, and accessories including some upgrades. This cost is sweep measurements of antenna. Please see Attachment 62.</td></tr><tr><td data-bbox="694 1357 1109 1402">Amount:</td><td data-bbox="1109 1357 1428 1402">\$2,880.00</td></tr></table>	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	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								
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								

UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized	<table> <tr> <td data-bbox="702 98 1133 560"> Component Description: Amount: </td><td data-bbox="1133 98 1426 560"> Invoice is for aux antenna, elbow complex, brackets, and line. This cost is aux antenna. Please see Attachment 91. \$88,650.00 </td></tr> <tr> <td data-bbox="702 560 1133 1120"> Component Description: Amount: </td><td data-bbox="1133 560 1426 1120"> Invoice is down-payment for auxiliary antenna, line, and accessories including some upgrades. This cost is comparable H-Pol antenna. Please see Attachment 62. \$55,046.25 </td></tr> </table>	Component Description: Amount:	Invoice is for aux antenna, elbow complex, brackets, and line. This cost is aux antenna. Please see Attachment 91. \$88,650.00	Component Description: Amount:	Invoice is down-payment for auxiliary antenna, line, and accessories including some upgrades. This cost is comparable H-Pol antenna. Please see Attachment 62. \$55,046.25
Component Description: Amount:	Invoice is for aux antenna, elbow complex, brackets, and line. This cost is aux antenna. Please see Attachment 91. \$88,650.00				
Component Description: Amount:	Invoice is down-payment for auxiliary antenna, line, and accessories including some upgrades. This cost is comparable H-Pol antenna. Please see Attachment 62. \$55,046.25				

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 Co Justificati
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	\$1,019,200.00	\$304,276.50		\$264,407.70	
Rigid Transmission Line - copper, 8 3 /16"	\$555,200.00	\$304,276.50	***System Notice: Estimate adjusted and locked because line has been superseded. ***See Attachment 13, Line Item 4 and Attachment 39.	\$304,276.50	N/A

Rigid Transmission Line - copper, 7 3 /16"	\$464,000.00	\$0.00	Due to a reduction in transmission line size, the newly estimated cost is \$10,490.50 less than the total of prior reimbursements. Because the form will not accept a negative quotation, I've entered zero.	(\$39,868.80)	N/A
Auxiliary Transmission Line	\$558,660.00	\$210,371.25		\$208,768.25	
Rigid Transmission Line - copper, 7 3 /16"	\$290,000.00	\$99,518.96	***System Notice: Estimate adjusted and 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.	\$99,518.96	N/A

Rigid Transmission Line - copper, 6 1/8"	\$268,660.00	\$110,852.29	We've replaced 1,000 feet of 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.	\$109,249.29	N/A
Sub-total	\$1,598,060.00	\$514,988.61	N/A	\$473,516.81	N/A
Total for all systems	\$6,723,659.93	\$5,702,742.85	N/A	\$4,893,825.63	N/A

Components

Actual Information	
Description	File Name
Rigid Transmission Line - copper, 6 1/8"	Component Description: Please see Attachment 75 Amount: \$340.86 Component Description: Connector Required to Attach Transmission Line to Antenna System. Amount: \$340.86

Rigid Transmission Line - copper, 8 3/16"	Component Description: Primary Transmission Line Progress Payment. See Attachment 52 for details. Amount: \$152,138.25 Component Description: Primary Transmission Line. See Attachments 13 and 39 for quotes. Amount: \$152,138.25
Rigid Transmission Line - copper, 7 3/16"	Component Description: Invoice is progress payment for antenna, Mounting Adapters, Elbow Complex, Feedthru complex, transmission line and sweep test. This is a cost adjustment for less expensive transmission line. Please see Attachment 141A for statement and reconciliation. Amount: (\$39,868.80)

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

Rigid Transmission Line -
copper, 6 1/8"

Component Description: Auxiliary
Transmission Line
Cut Sections.
Please see
Attachment 130.

Amount: \$5,155.50

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
saddle kit. Please
see change order
in Attachment
101B.

Amount: \$115.50

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	<i>\$16,860.00</i>	\$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

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
Primary Tower GTOWER	\$259,191.60	\$772,446.60		\$416,443.64	
Tall Tower (greater than 500')	\$210,500.00	\$723,755.00	Please see quotes in Attachments 132 (\$156,495.00 for auxiliary antenna), 134 (\$27,380.00 for microwave antenna) and 142 (\$539,880 for main antenna). Excludes sales tax, listed separately.	\$399,827.00	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

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
Rigging Sales Tax	\$37,791.60	\$37,791.60	7% Florida State Sales Tax on \$539,880 (see Attachment 142).	\$15,116.64	N/A
Sub-total	\$714,051.60	\$1,016,806.60	N/A	\$658,774.82	N/A
Total for all systems	\$6,723,659.93	\$5,702,742.85	N/A	\$4,893,825.63	N/A

Components

Actual Information	
Description	File Name
Tall Tower (greater than 500')	Information not provided.
FL State Use Tax	Component Description: Tower Rental Florida Sales and Use Tax for April, 2020. Please see Attachment 96. Amount: \$1,382.45 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 December, 2019. Please see Attachment 82.
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 July,
			2019. Please see
			Attachment 69A.
	Amount:		\$1,405.00
	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 March,
			2020. Please see
			Attachment 94.
	Amount:		\$1,405.00
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
Amount:	\$17,500.00

Component Description:	July 2019 Rent
Amount:	\$17,500.00

Component Description:	November 2019 Rent
Amount:	\$17,500.00

Component Description:	February 2020 Rent.
Amount:	\$17,500.00

Component Description:	September 2019 Rent.
Amount:	\$17,500.00

Component Description:	December 2019 Rent
Amount:	\$17,500.00

Component Description:	June 2019 Rent
Amount:	\$17,500.00

Component Description:	August 2019 Rent
Amount:	\$17,500.00

Component Description:	October 2019 Rent
Amount:	\$17,500.00

Component Description:	March 2020 Rent
Amount:	\$17,500.00

Tall Tower (greater than 500')	Component Description: Invoice is for primary antenna system rigging progress payment and sales tax. This cost is rigging progress payment only. Amount: \$107,976.00 Component Description: Invoice is for relocating STL microwave antenna to primary tower. Includes sales tax listed elsewhere. Amount: \$27,380.00 Component Description: Invoice is for primary antenna system rigging progress payment and sales tax. This cost is rigging progress payment only. Amount: \$107,976.00 Component Description: Invoice includes aux antenna and line installation plus (as explained in quote) Florida state sales tax listed separately. Amount: \$156,495.00
Structural Engineering Primary Tower	Component Description: Preliminary Structural Analysis Amount: \$1,500.00

Tower Permit Packages	Information not provided.	
Rigging Sales Tax	Component Description:	Invoice is for primary antenna system rigging progress payment and sales tax. This cost is sales tax only.
	Amount:	\$7,558.32
	Component Description:	Invoice is for primary antenna system rigging progress payment and sales tax. This cost is sales tax only.
	Amount:	\$7,558.32

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
Outside Professional Services	\$119,865.00	\$81,379.50		\$46,154.72	
Architect Mechanical Electrical	<i>\$17,500.00</i>	\$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
NEPA Section 106 environmental review, if needed	\$6,310.00	\$1,350.00	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

Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	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
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.
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
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
ASR modification (prepare FCC Form 854)	\$2,105.00	\$167.00	See Attachment 5.	N/A	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
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
Sub-total	\$119,865.00	\$81,379.50	N/A	\$46,154.72	N/A
Total for all systems	\$6,723,659.93	\$5,702,742.85	N/A	\$4,893,825.63	N/A

Components

Actual Information
Description

File Name

Architect Mechanical 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.
NEPA Section 106 environmental review, if needed	Information not provided.
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.

Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	Evaluate viability of existing Riverview-2 Site. \$1,062.50
	Component Description: Amount:	Evaluate ATC Riverview-1 antenna and site. \$937.50
	Component Description: Amount:	Study suitability of WEDU antenna as primary. See Statement 2. \$812.50
	Component Description: Amount:	Preliminary evaluation of WEDU site suitability. \$725.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Complete Engineering for CP Mod back to Riverview-2 site. \$800.00
	Component Description: Amount:	Preliminary Engineering for CP at Riverview-2 site. \$1,125.00
	Component Description: Amount:	Prepare CP Engineering for Riverview-1 site. \$1,387.50

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Component Description: Amount:	Prepare Engineering Portions of CP Modification. \$1,050.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	
ASR modification (prepare FCC Form 854)	Information not provided.	
Electrical Engineering - Primary Transmitter	Component Description: Amount:	Transmitter installation engineering and drawings for local permits. Note: Form 399 doesn't allow the ampersand in the actual company name. \$4,000.00
Project management of the transition	Component Description: Amount: Component Description: Amount:	Project Management. \$2,132.12 Project Management - Through February 28, 2020. \$2,620.35

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 of project through July, 2019. Please see Attachment 83.
Amount:	\$3,450.00

Component Description:

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

Amount:

\$4,618.66

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
Other Expenses	\$264,945.15	\$270,235.15		\$219,645.75	
DTV Medical Facility Notification	\$11,550.00	\$14,625.00	See Attachments 12, 103, and 150. Due to ongoing changes and construction delays, there have been three DTV Notification mailings at \$3,750 and one at \$3,375.	\$14,625.00	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$3,330.00	Please see "quote" - FCC Media Bureau Filing Fee Guide provided as Attachment 112. Applications were filed for both the main (two each) and the auxiliary antenna.	\$3,330.00	N/A

Florida State Sales Tax	\$12,870.65	\$12,870.65	Florida State sales tax. Please see Attachments 132 (\$10,954.65) and 134 (\$1,916.60) for quotations.	\$12,871.25	Actually, sub-total equals estimated cost.
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
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
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

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
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Local Zoning	\$4,700.00	\$4,700.00	N/A	N/A	N/A
Non-zoning permits	\$4,700.00	\$4,700.00	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
MVPD Notification of Channel Change	\$1,950.00	\$1,950.00	See quotation in Attachment 105	\$1,950.00	N/A
Equipment Delivery and Handling Charges	\$98,250.84	\$98,250.84	See Attachments 2A and 21 (\$11,000 each) plus Attachment 43 (\$2,925). Includes actual shipping shown in Attachments 88, 89, 101, 131, and 146.	\$87,250.84	N/A
Sub-total	\$264,945.15	\$270,235.15	N/A	\$219,645.75	N/A

Total for all systems	\$6,723,659.93	\$5,702,742.85	N/A	\$4,893,825.63	N/A
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Components

Actual Information	
Description	File Name
DTV Medical Facility Notification	Component Description: Health Care Notification - Second Mailing.
	Amount: \$3,750.00
	Component Description: Health Care Notification - Third Mailing
	Amount: \$3,750.00
	Component Description: Health Care Notification Number Four. Please see Attachment 150 for quotation.
	Amount: \$3,375.00
	Component Description: Health Care Notification.
	Amount: \$3,750.00

FCC Filing Fees - Form 2100 minor change CP application	Component Description: FCC Application Processing Fee - WTOG Auxiliary Antenna Construction Permit. Amount: \$1,110.00
	Component Description: Construction Permit Modification Application. Amount: \$1,110.00
	Component Description: FCC Construction Permit Application Filing Fee. Amount: \$1,110.00
Florida State Sales Tax	Component Description: Invoice is for relocation of WTOG STL microwave antenna. This cost is FL state sales tax. Amount: \$1,916.60 Component Description: Invoice is for Aux Antenna and line installation. This cost is Florida state sales tax. Amount: \$10,954.65

Waveguide Switch Controller	Component Description: Includes controller, cable, shipping, and tax. Please see Attachment 125 for quotation. Amount: \$3,815.70
UPS Units	Component Description: Two UPS Units. Please see Attachment 120 for a quotation. Amount: \$4,482.96
Tower Decommission	Component Description: Hazardous Materials Removal. Please see Attachment 115 for quotation. Amount: \$89,745.00
STL and TSL FCC Fees	Component Description: FCC Application Processing Fee for Studio to Transmitter microwave link. Amount: \$170.00 Component Description: FCC Application Processing Fee for Transmitter to Studio microwave link. Amount: \$170.00

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
FCC Filing Fees - Form 2100 license to cover application	Component Description: FCC Filing Fee - WTOG Auxiliary Antenna License Application Amount: \$335.00
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
Local Zoning	Information not provided.
Non-zoning permits	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
MVPD Notification of Channel Change	Component Description: MVPD Notification. Please see quote in Attachment 105. Amount: \$1,950.00
Equipment Delivery and Handling Charges	

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:	\$25,851.90

Component Description:	Antenna System Freight. Please see Attachment 146.
Amount:	\$22,477.50

Component Description:	Aux Antenna and Transmission Line Shipping. Please see Attachment 131.
Amount:	\$14,180.00

Component Description:	Shipping of Aux Antenna Saddle Kit. Please see Attachment 101B.
Amount:	\$122.94

Component Description:	Transport of Interim transmitter from storage to interim site.
Amount:	\$2,925.00

Component Description:

Interim transmitter shipping. Actual shipping exceeded estimate. Please see Attachment 88.

Amount:

\$21,693.50

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$6,723,659.93	\$5,702,742.85
			\$4,893,825.63

Reimbursement Status	Question	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

Certification	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 above-named applicant for the Authorization(s) specified above.	Andrew J Siegel <i>Assistant Secretary</i> 06/08/2021

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).	
		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. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. 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 above-named applicant for the Authorization(s) specified above.	Andrew J Siegel <i>Assistant Secretary</i> 06/08/2021

Attachments