



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **8688** | Service: **DTV** | Call **WRAL-TV** | Channel: **17 (UHF)** |
ID: | Sign:
File **0000027637**
Number:
FRN: **0001961713** | Date **05/11**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
Capitol Broadcasting Company, Inc.	Chrissy Cicuto 2619 Western Blvd Raleigh, NC 27606 United States	+1 (919) 821-8730	ccicuto@cbc-raleigh.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
Peter Sockett <i>Director of Engineering and Operations</i> <i>Capitol Broadcasting Company</i>	Pete Sockett 2619 Western Blvd Raleigh, NC 27606 United States	+1 (919) 821-8573	psocket@wral.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		All 4 broadcasters will need to replace antennas on the candelabra. The transition plan for WRAL / WRAZ is to replace the existing Aux antenna with a single ch15 / 17 slot antenna at approx 1720ft (524m) to use as both the new AUX and interim facility.

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	CD2400P4
	Year	1999
	Type	Inductive Output Tube
	IOT Power Type	Other
	Other IOT Power Type	4 tube system
	Power Capacity	100 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-120
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	76.0 kW
	Justification for New Transmitter	1) Manufacturer (Gates Air) will not support channel changes to this model of transmitter. 2) Comark estimate for IOT transmitter is higher than a solid State transmitter from GatesAir

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes

	Power	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	4 inches
	Length	400.0 feet
	Other Electrical Service	No
	Description	N/A
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	1600.0 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
RF System	Magic T / Mask filter / Dummy load and RF Line for Installation
System installation	Manufacturer to come to site to install and commission.
Spare Modules and Power supplies	Currently we keep 1 spare IOT tube on hand in the event of a failure. This purchases spare parts for Solid State TX

Antennas

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

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

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	Auxiliary (Backup)
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	2
	Number of Panels	36
	Design power capacity in use	100.0 %
	Lower Limit	674.00 MHz
	Upper Limit	710.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW

Manufacturer	
Model	ETU-P3H12-(48-53)
Year	2008

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

Facility ID	Call Sign
64611	WRAZ

**Auxiliary
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Auxiliary (Backup)
	Description of Use	Interim Facility and Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	Yes
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)	805.0 kW

Manufacturer	
Model	ATW25H3-ESO-15/17H
Year	2018
Justification for New Antenna	This antenna will serve as both an Interim facility while the candelabra is rebuilt and will replace the existing AUX antenna already in service for both WRAL and WRAZ

Auxiliary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	2
	Frequencies of channels supported	Upper and lower frequency
	Frequency	476.0 MHz - 494.0 MHz
	Do you need a combiner output splitter /switcher for dual feed lines?	No
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes

	Broadband or Single Channel?	Broadband
	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?	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

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?	Yes
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Top
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW

Manufacturer	
Model	ATW25H5- ETO-48H
Year	2008

Primary
Antenna

New Antenna Costs

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

Model	ATW25H4-ETO-17H
Year	2018
Justification for New Antenna	Required as old antenna is cut for channel 48

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

Primary Antenna	Other Antenna Cost Not Listed
	Information not provided.

Transmission Line

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

**Auxiliary
Transmission Line**

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Auxiliary (Backup)
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	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	1738 feet per run

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

Facility ID	Call Sign
64611	WRAZ

Auxiliary **New Transmission Line**
Transmission Line **Section**

Section	Question	Response
New Transmission Line Costs	Use	Auxiliary (Backup)
	Description of Use	Auxiliary (Backup) and Interim Facility
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	2013 feet per run
	Justification for New Transmission Line	Required to feed new Aux / Interim antenna. Cost will be split with WRAZ.

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	2210 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	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	2210 feet per run
	Justification for New Transmission Line	Existing run is GLW 1500 Waveguide that is frequency specific for High Band UHF

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

Name	Description
Gas Barrier	The transmission line Gas Barrier enables the transmission line to be pressurized.

2 Wall feed through units

The two listed wall feed thru units are for the transmission line as it goes through the wall to the outside of the transmitter building.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	Candelabra
	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?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1027322
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	35° 40' 29.0" N-
	Longitude (NAD83)	078° 31' 39.0" W-
	Overall Structure Height	1988.82 feet
	Support Structure Height	1988.82 feet
	Ground Elevation Above Mean Sea Level (AMSL)	359.90 feet

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	CBC REAL ESTATE COMPANY, INC.
	Date Constructed	03/23/2000

**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
73936	WTKK	FM
50782	WNCN	DTV
73205	WLFL	DTV
64611	WRAZ	DTV

Primary Tower

Tower Modification Costs

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

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Candelabra

Helicopter Services Required	Are helicopter services required?	Yes
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**Primary
Tower**

Other Tower Expenses Not Listed

Name	Description
Relocate ENG Dish	Relocate 2 ENG receive dishes to create room for Interim / Aux antennas - Split with WRAZ

**Outside
Professional Services Costs**

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	220
	Explanation	WRAL /WRAZ has only one engineer currently available at the TX site. Additional project management is necessary. The estimate is an average of 20 hrs per month for Jan - November of 2019. Note: post Phase 5 the candelabra still needs to be rebuilt.
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	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	No

	Quantity	N/A
	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	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	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	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	Yes

	Number of Days	3
	Justification	Independent verification and inspection of installed systems

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Legal Guidance for repack	Consultation on repack items with Legal Council

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	No
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	No
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?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

**Other
Expenses**

Other Expenses Not Listed

Name	Description
Facilty remote control and monitoing modifications	Modifications to existing system to add new telemetry and control.
Sigma Transmitter and RF System removal	Complete removal of old WRAL Sigma IOT transmitter and related RF system. Properly dispose of all hazardous liquids and materials.
Unexpected Site Modifications	Site modifications to allow for continuation of antenna installations due to weather.

Cost
Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter ULXTED-120	\$3,254,275.00	\$3,121,278.00		\$3,085,348.62	
4" Rigid Conduit and Wiring (Cost per foot)	\$40,400.00	\$1.00	Included in overall building estimate	\$0.00	N/A
Spare Modules and Power supplies	<i>\$35,000.00</i>	\$35,000.00	N/A	N/A	N/A
RF System	<i>\$1.00</i>	\$1.00	Included in overall TX price	N/A	N/A
System installation	<i>\$1.00</i>	\$1.00	Included in overall TX price	N/A	N/A

Other -- Building Addition Size: 1600.0	\$871,639.00	\$871,639.00	Our facility is full with no room to install new equipment before old equipment is removed. This facility will be shared with WRAZ. This is 1/2 the cost, other half will be represented on WRAZ. Please see "building cost narrative" recently uploaded.	\$870,730.33	New estimate was uploaded April 18th for approval.
15 Ton system	\$55,800.00	\$1.00	Included in overall building estimate	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 76.0 kW	\$2,214,634.00	\$2,214,634.00	Includes all TX cost - RF System, installation and electrical (transformer). Freight Charges Also	\$2,214,618.29	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$1.00	Included in overall TX price	N/A	N/A
Sub-total	\$3,254,275.00	\$3,121,278.00	N/A	\$3,085,348.62	N/A
Total for all systems	\$6,538,588.65	\$6,087,125.65	N/A	\$5,405,305.28	N/A

Components

Actual Information	
Description	File Name
4" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Spare Modules and Power supplies	Information not provided.
RF System	Information not provided.
System installation	Information not provided.
Other -- Building Addition Size: 1600.0	<div> <div> Component Description: </div> <div> Third invoice (Pay app) in construction project </div> </div> <div> Amount: </div> <div> \$111,204.90 </div> <div> Component Description: </div> <div> WRAL portion of Osborn invoice 27628 revised with receipts. </div> <div> Amount: </div> <div> \$1,267.64 </div> <div> Component Description: </div> <div> REVISED cover sheet -Ross Video Limited invoice for new transmitter ASI feed. </div> <div> Amount: </div> <div> \$3,668.80 </div> <div> Component Description: </div> <div> WRAL portion of ITS Invoice WRAL- WRAZ-006 </div> <div> Amount: </div> <div> \$38,250.00 </div>

Component Description:	1/2 of cost for equipment racks for new transmitter. Total invoice amount is split between WRAL and WRAZ
Amount:	\$8,538.42

Component Description:	WRAL Portion of Osborn Invoice 27973
Amount:	\$5,111.98

Component Description:	WRAL portion of ITS invoice WRAL-WRAZ-008
Amount:	\$48,892.50

Component Description:	WRAL Portion (1/2) of ITS Invoice WRAL-WRAZ-010
Amount:	\$7,993.08

Component Description:	WRAL Portion of Osborn Invoice 27327 Revised. Removed charge for Additional Service Fees from United Airlines and reduced amount of reimbursement request.
Amount:	\$7,729.03

Component Description:	12-09-19 Osborn invoice 32586 for printing related to the WRAL new building addition.
Amount:	\$40.30

Component Description:	WRAL Portion of Osborn Invoice 29157
Amount:	\$933.70

Component Description:	WRAL portion (1/2) of ITS Invoice WRAL-WRAZ-009
Amount:	\$6,750.00

Component Description:	WRAL portion of ITS Invoice WRAL-WRAZ-007
Amount:	\$48,375.00

Component Description:	WRAL Portion of Osborn Invoice 28274. REVISED
Amount:	\$14,745.14

Component Description:	WRAL half of Intellicom, Inc invoice for fiber cable and installation.
Amount:	\$6,045.00

Component Description:	Fourth invoice (Pay app) in construction project
Amount:	\$70,326.24

Component Description:	WRAL Portion of Osborn Invoice 27175 revised with invoices.
Amount:	\$7,563.72

Component Description:	Fifth invoice (Pay app) in construction project
Amount:	\$50,216.16

Component Description:	WRAL Portion of Osborn Invoice 28690
Amount:	\$20,320.01

Component Description:	First invoice (Pay app) in construction project
Amount:	\$254,945.60

Component Description:	REVISED WRAL portion of the BeckTV invoice 10351 for new building infrastructure equipment.
Amount:	\$17,076.83

Component Description:	Second invoice (Pay app) in construction project
Amount:	\$70,087.95

	Component Description:	WRAL portion of ITS Invoice WRAL-WRAZ-011 for final payment for building construction.
	Amount:	\$78,560.16
	Component Description:	WRAL Half of Osborn Invoice 36830
	Amount:	\$9,165.00
15 Ton system	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 76.0 kW	Component Description:	4 saddle type directional couplers for WRAL mask filters.
	Amount:	\$2,284.64
	Component Description:	Final payment for transmitter, installation and freight charges for WRAL main transmitter.
	Amount:	\$106,461.97
	Component Description:	50% down for transmitter
	Amount:	\$1,053,306.70
	Component Description:	Gates second invoice - includes RF system and electrical (transformer)
	Amount:	\$1,052,564.98

Transformer 3 phase/480v - 300 KVA	Information not provided.
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**Cost
Information**

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna ATW25H4- ETO-17H	\$310,130.00	\$294,600.00		\$236,125.00	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,250.00	N/A
Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	\$13,900.00	\$13,200.00	N/A	\$0.00	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$275,000.00	N/A	\$229,875.00	N/A
Auxiliary Antenna ATW25H3- ESO-15/17H	\$275,790.00	\$267,000.00		\$186,855.40	

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$2,500.00	1/2 split with WRAZ	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$11,000.00	1/2 split with WRAZ	\$7,425.00	This Covers both WRAL and WRAZ combined AUX system
Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	\$18,950.00	\$17,800.00	This antenna is a "combined antenna" the other 1 /2 of the cost is shared with WRAZ	\$17,737.04	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$95,000.00	Interim (AUX) antenna will support full power from each station (WRAL and WRAZ) requiring larger sized combiner.	\$31,959.51	This is for Both WRAL and WRAZ interim / aux antenna system
Sweep test of existing antenna	\$6,730.00	\$3,200.00	1/2 split with WRAZ	N/A	N/A

UHF - High Power, Side Mount, basic slot antenna, 805 kW input, elliptically or circularly polarized	\$137,500.00	\$137,500.00	This antenna is a "combined antenna" the other 1 /2 of the cost is shared with WRAZ	\$129,733.85	This covers cost for both WRAL and WRAZ AUX combined antenna ststem
Sub-total	\$585,920.00	\$561,600.00	N/A	\$422,980.40	N/A
Total for all systems	\$6,538,588.65	\$6,087,125.65	N/A	\$5,405,305.28	N/A

Components

Actual Information	
Description	File Name
Sweep test of existing antenna	<p>Component Description: Final payment (15%) for System Sweep</p> <p>Amount: \$937.50</p> <p>Component Description: 85% initial payment - System Sweep</p> <p>Amount: \$5,312.50</p>
Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	Information not provided.

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	<div> Component Description: Final payment (15%) for Primary Antenna - ATW25H4-ETO-17H </div> <div> Amount: \$34,481.25 </div>
	<div> Component Description: 85% initial Payment WRAL Main Antenna </div> <div> Amount: \$195,393.75 </div>
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	<div> Component Description: WRAL portion of the WRAL/WRAZ Aux Antenna Leg Mount Bracket. </div> <div> Amount: Final 15% \$1,113.75 </div> <div> Component Description: 1/2 of 85% Initial Payment - Leg mount bracket set WRAL and WRAZ Combined AUX </div> <div> Amount: \$6,311.25 </div>
Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	<div> Component Description: Corrected Amount - 50% split between WRAL and WRAZ for ERI Invoice 53331 </div> <div> Amount: \$17,737.04 </div>

New combiner, cost per channel (without antenna)	<table> <tr> <td data-bbox="719 174 1027 208">Component Description:</td><td data-bbox="1161 174 1369 365">WRAL half of ERI invoice 53331-1 for items related to interim system combiner install.</td></tr> <tr> <td data-bbox="719 376 831 409">Amount:</td><td data-bbox="1161 376 1294 409">\$10,709.51</td></tr> <tr> <td data-bbox="719 517 1027 551">Component Description:</td><td data-bbox="1161 517 1369 707">WRAL portion of the final 15% due for the WRAL /WRAZ Aux combiner.</td></tr> <tr> <td data-bbox="719 719 831 752">Amount:</td><td data-bbox="1161 719 1278 752">\$3,187.50</td></tr> <tr> <td data-bbox="719 860 1027 893">Component Description:</td><td data-bbox="1161 860 1374 1005">1/2 of 85% Initial Payment - Combiner for WRAL and WRAZ</td></tr> <tr> <td data-bbox="719 1016 831 1050">Amount:</td><td data-bbox="1161 1016 1294 1050">\$18,062.50</td></tr> </table>	Component Description:	WRAL half of ERI invoice 53331-1 for items related to interim system combiner install.	Amount:	\$10,709.51	Component Description:	WRAL portion of the final 15% due for the WRAL /WRAZ Aux combiner.	Amount:	\$3,187.50	Component Description:	1/2 of 85% Initial Payment - Combiner for WRAL and WRAZ	Amount:	\$18,062.50
Component Description:	WRAL half of ERI invoice 53331-1 for items related to interim system combiner install.												
Amount:	\$10,709.51												
Component Description:	WRAL portion of the final 15% due for the WRAL /WRAZ Aux combiner.												
Amount:	\$3,187.50												
Component Description:	1/2 of 85% Initial Payment - Combiner for WRAL and WRAZ												
Amount:	\$18,062.50												
Sweep test of existing antenna	Information not provided.												
UHF - High Power, Side Mount, basic slot antenna, 805 kW input, elliptically or circularly polarized	<table> <tr> <td data-bbox="719 1308 1027 1341">Component Description:</td><td data-bbox="1161 1308 1369 1532">WRAL portion of the final 15% due for the WRAL /WRAZ Aux antenna plus freight.</td></tr> <tr> <td data-bbox="719 1543 831 1576">Amount:</td><td data-bbox="1161 1543 1294 1576">\$24,599.47</td></tr> <tr> <td data-bbox="719 1684 1027 1718">Component Description:</td><td data-bbox="1161 1684 1369 1908">1/2 of 85% Initial Payment - Combined WRAL /WRAZ Side mount AUX Antenna</td></tr> <tr> <td data-bbox="719 1919 831 1953">Amount:</td><td data-bbox="1161 1919 1310 1953">\$105,134.38</td></tr> </table>	Component Description:	WRAL portion of the final 15% due for the WRAL /WRAZ Aux antenna plus freight.	Amount:	\$24,599.47	Component Description:	1/2 of 85% Initial Payment - Combined WRAL /WRAZ Side mount AUX Antenna	Amount:	\$105,134.38				
Component Description:	WRAL portion of the final 15% due for the WRAL /WRAZ Aux antenna plus freight.												
Amount:	\$24,599.47												
Component Description:	1/2 of 85% Initial Payment - Combined WRAL /WRAZ Side mount AUX Antenna												
Amount:	\$105,134.38												

Cost
Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$641,995.65	\$641,995.65		\$604,442.74	
Rigid Transmission Line - copper, 7 3/16"	\$640,900.00	\$640,900.00	N/A	\$603,347.09	N/A
Gas Barrier	\$391.85	\$391.85	No Predetermined cost estimate	\$391.85	N/A
2 Wall feed through units	\$703.80	\$703.80	No Predetermined Cost Estimate	\$703.80	N/A
Auxiliary Transmission Line	\$803,187.00	\$381,000.00		\$259,449.05	
Rigid Transmission Line - copper, 8 3/16" broadband	\$803,187.00	\$381,000.00	This represents 1/2. WRAZ will cover the other 1/2	\$259,449.05	This covers both WRAL main and the WRAL /WRAZ combined AUX antenna systems
Sub-total	\$1,445,182.65	\$1,022,995.65	N/A	\$863,891.79	N/A
Total for all systems	\$6,538,588.65	\$6,087,125.65	N/A	\$5,405,305.28	N/A

Components

Actual Information Description	File Name
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Rigid Transmission Line -
copper, 7 3/16"

Component Description:	Final payment (15%) for Transmission Line system
Amount:	\$84,062.14

Component Description:	Final payment (15%) for Sahara Dehydrator
Amount:	\$1,398.68

Component Description:	Final payment (15%) for TX line system design and drawings
Amount:	\$1,631.25

Component Description:	ERI Invoice WRAL- 3000 50% deposit with order for Proposal 20190131-528
Amount:	\$24,690.37

Component Description:	85% initial payment - Sahara TX Line Dehydrator - WRAL Main line
Amount:	\$7,925.82

Component Description:	85% initial payment - Transmission Line for WRAL
Amount:	\$476,352.20

	<p>Component Description: 85% initial payment - TX Line System design and drawings</p> <p>Amount: \$9,243.75</p>
	<p>Component Description: ERI Invoice WRAL-53483 Balance due and freight for proposal 20190130-528</p> <p>Amount: \$29,194.50</p>
	<p>Component Description: ERI Invoice WRAL-3000 submission to rectify cost difference between 7" line approved and 8" line installed.</p> <p>Amount: \$22,733.25</p>
Gas Barrier	<p>Component Description: Full payment for gas Barrier 7-3/16" 75 Ohm</p> <p>Amount: \$391.85</p>
2 Wall feed through units	<p>Component Description: Full payment for Wall Feed Thru</p> <p>Amount: \$703.80</p>
Rigid Transmission Line - copper, 8 3/16" broadband	<p>Component Description: WRAL portion of the WRAL/WRAZ Aux Transmission Line System plus freight. Final 15% payment.</p> <p>Amount: \$42,469.20</p>

Component Description:	WRAL portion of the extra cut piece of transmission line for the WRAL /WRAZ Aux. transmission line.
Amount:	Full payment. \$1,021.28

Component Description:	WRAL portion of the WRAL/WRAZ Aux Transmission Line Dehydrator after discount.
Amount:	Final payment. \$394.09

Component Description:	1/2 of ERI invoice 54459
Amount:	\$5,205.36

Component Description:	1/2 of 85% initial payment - TX Line for Combined WRAL WRAZ AUX Antenna system
Amount:	\$206,396.21

Component Description:	1/2 of 85% initial payment - Sahara TX line dehydrator - AUX combined system WRAL and WRAZ
Amount:	\$3,962.91

Cost Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$967,300.00	\$1,183,091.00		\$964,905.04	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$637,791.00	Estimated cost is \$216,791.00 over predetermined cost estimate due to unexpected rigging cost and overages for antenna installation.	\$616,855.04	N/A
Relocate ENG Dish	<i>\$25,000.00</i>	\$25,000.00	This is 1/2 of the cost - other half will be covered by WRAZ	N/A	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$158,000.00	N/A	N/A	N/A
Structural engineering tower load study for a documented tower with candelabra	\$20,000.00	\$19,000.00	N/A	\$4,750.00	N/A
Tower Helicopter Lift	<i>\$343,300.00</i>	\$343,300.00	No predetermined cost available.	\$343,300.00	N/A
Sub-total	\$967,300.00	\$1,183,091.00	N/A	\$964,905.04	N/A

Total for all systems	\$6,538,588.65	\$6,087,125.65	N/A	\$5,405,305.28	N/A
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Components

Actual Information		
Description	File Name	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Component Description:	ERI Invoice 54380 for extra tower work and weather day.
	Amount:	\$42,295.03
	Component Description:	WRAL antenna installation and rigging costs. 40% payment prior to mobilization.
	Amount:	\$84,110.00
	Component Description:	WRAL 50% of invoice for balance due.
	Amount:	\$61,870.00
	Component Description:	WRAL 50% deposit with order for tower installation services
	Amount:	\$61,870.00
	Component Description:	WRAL portion of invoice WRAL-5000 for 50% with order. Remainder of Invoice charged to WRAZ
	Amount:	\$84,505.32

Component Description:	WRAL portion of ERI Invoice WRAL-54736
Amount:	\$35,686.87

Component Description:	WRAL Portion of ERI invoice WRAL-53700. Remainder of invoice charged to WRAZ.
Amount:	\$33,625.00

Component Description:	WRAL portion of ERI Invoice WRAL-53914. Remainder of invoice charged to WRAZ
Amount:	\$16,901.07

Component Description:	Tower Plumb and Tension cost. Total amount of \$46,500.00 is split between WRAL and WRAZ
Amount:	\$23,250.00

Component Description:	WRAL antenna installation and rigging costs. 50% deposit with order.
Amount:	\$105,137.50

	<p>Component Description:</p> <p>WRAL Portion of ERI Invoice WRAL-5000A. Remaining invoice amount charged to WRAZ</p> <p>Amount:</p> <p>\$67,604.25</p>
Relocate ENG Dish	Information not provided.
Minor tower reinforcement /modifications	Information not provided.
Structural engineering tower load study for a documented tower with candelabra	<p>Component Description:</p> <p>WRAL portion of ERI Invoice 52341. Remainder of invoice charged to WRAZ</p> <p>Amount:</p> <p>\$4,750.00</p>

Tower Helicopter Lift	<table> <tr> <td data-bbox="719 174 1023 208">Component Description:</td><td data-bbox="1161 174 1358 405">Final 10% payment for helicopter installation of top antenna for WRAL.</td></tr> <tr> <td data-bbox="719 416 826 450">Amount:</td><td data-bbox="1161 416 1294 450">\$33,605.00</td></tr> <tr> <td data-bbox="719 555 1023 589">Component Description:</td><td data-bbox="1161 555 1358 824">WRAL Old antenna removal and new antenna placement via helicopter. 40% payment prior to mobilization.</td></tr> <tr> <td data-bbox="719 835 826 869">Amount:</td><td data-bbox="1161 835 1305 869">\$134,420.00</td></tr> <tr> <td data-bbox="719 974 1023 1008">Component Description:</td><td data-bbox="1161 974 1369 1160">WRAL portion of James River invoice 2002 for Helicopter landing pad.</td></tr> <tr> <td data-bbox="719 1171 826 1205">Amount:</td><td data-bbox="1161 1171 1278 1205">\$7,250.00</td></tr> <tr> <td data-bbox="719 1310 1023 1344">Component Description:</td><td data-bbox="1161 1310 1369 1541">WRAL Old antenna removal and new antenna placement via helicopter. 50% deposit with order.</td></tr> <tr> <td data-bbox="719 1552 826 1585">Amount:</td><td data-bbox="1161 1552 1305 1585">\$168,025.00</td></tr> </table>	Component Description:	Final 10% payment for helicopter installation of top antenna for WRAL.	Amount:	\$33,605.00	Component Description:	WRAL Old antenna removal and new antenna placement via helicopter. 40% payment prior to mobilization.	Amount:	\$134,420.00	Component Description:	WRAL portion of James River invoice 2002 for Helicopter landing pad.	Amount:	\$7,250.00	Component Description:	WRAL Old antenna removal and new antenna placement via helicopter. 50% deposit with order.	Amount:	\$168,025.00
Component Description:	Final 10% payment for helicopter installation of top antenna for WRAL.																
Amount:	\$33,605.00																
Component Description:	WRAL Old antenna removal and new antenna placement via helicopter. 40% payment prior to mobilization.																
Amount:	\$134,420.00																
Component Description:	WRAL portion of James River invoice 2002 for Helicopter landing pad.																
Amount:	\$7,250.00																
Component Description:	WRAL Old antenna removal and new antenna placement via helicopter. 50% deposit with order.																
Amount:	\$168,025.00																

Cost
Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$195,490.00	\$115,550.00		\$53,408.78	
Additional Field Engineering Service, 3 Days	\$6,500.00	\$6,500.00	Estimating \$2000 per day for an independent verification of the new transmission systems	\$6,500.00	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$30,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$1,000.00	N/A
RF Exposure Measurements	\$21,050.00	\$2,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$34,760.00	\$30,800.00	Estimate consists of an average of 20hrs per month Jan - Nov 2019	\$27,924.28	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	\$7,000.00	N/A	\$5,375.00	N/A

ASR modification (prepare FCC Form 854)	\$2,105.00	\$500.00	N/A	\$0.00	N/A
Legal Guidance for repack	\$14,000.00	\$14,000.00	N/A	\$11,734.50	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$0.00	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	\$875.00	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
Sub-total	\$195,490.00	\$115,550.00	N/A	\$53,408.78	N/A
Total for all systems	\$6,538,588.65	\$6,087,125.65	N/A	\$5,405,305.28	N/A

Components

Actual Information
Description

File Name

Additional Field Engineering Service, 3 Days	Component Description:		Final payment (15%) for site survey by 2 ERI Climbers
	Amount:		\$975.00
	Component Description:		TX Layout Site Survey - 2 Certified ERI Climbers
	Amount:		\$5,525.00
Comprehensive coverage verification via field study, if needed	Information not provided.		
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.		
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.		
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.		
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Component Description:		02-24-2020 DLR Invoice 240966
	Amount:		\$1,000.00
RF Exposure Measurements	Information not provided.		
Prepare and or review reimbursement form	Information not provided.		
Project management of the transition			

Component Description:	Project management services for August 2019
Amount:	\$3,815.00

Component Description:	Project management services for October 2019
Amount:	\$245.00

Component Description:	Project Management Services for February 2019
Amount:	\$1,890.00

Component Description:	Project Management Services for September 2019
Amount:	\$1,610.00

Component Description:	Project Management Services for January 2019
Amount:	\$1,540.00

Component Description:	Project Management Services for July 2019
Amount:	\$3,424.28

	Component Description: Amount:	Project Management Services for May 2019 \$4,585.00
	Component Description: Amount:	Project Management Services for June 2019 \$4,480.00
	Component Description: Amount:	Project Management Services for March 2019 \$980.00
	Component Description: Amount:	April invoice \$5,355.00
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: 02-24-2020 WRAL
portion of DLR
Invoice 242392
Amount: \$375.00

Component Description: 02-24-2020 WRAL
portion of DLR
Invoice 242522
Amount: \$125.00

Component Description: 02-24-2020 DLR
Invoice 240339
Amount: \$750.00

Component Description: 02-24-2020 DLR
Invoice 240825
Amount: \$250.00

Component Description: 02-24-2020 WRAL
portion of DLR
Invoice 243550
Amount: \$250.00

Component Description: 02-24-2020 DLR
Invoice 240822
Amount: \$2,000.00

Component Description: 02-24-2020 DLR
Invoice 242681
Amount: \$125.00

Component Description: 02-24-2020 DLR
Invoice 243399
Amount: \$1,500.00

ASR modification (prepare FCC Form 854)	<div> <div>Component Description:</div> <div>RF Engineering - FAA filing to update frequency</div> </div> <div> <div>Amount:</div> <div>\$500.00</div> </div>
Legal Guidance for repack	<div> <div>Component Description:</div> <div>1/2 of Wilkinson, Barker, Knauer, LLP invoice -- Legal guidance for Incentive Auction /Repack</div> </div> <div> <div>Amount:</div> <div>\$286.50</div> </div>
	<div> <div>Component Description:</div> <div>1/2 of Wilkinson, Barker, Knauer, LLP invoice for legal guidance for Incentive Auction /Repack.</div> </div> <div> <div>Amount:</div> <div>\$291.00</div> </div>
	<div> <div>Component Description:</div> <div>WRAL portion of Wilkinson, Barker, Knauer, LLP invoice -- Legal guidance for Incentive Auction /Repack</div> </div> <div> <div>Amount:</div> <div>\$1,653.00</div> </div>
	<div> <div>Component Description:</div> <div>WRAL portion of Legal Guidance invoice from Wilkinson Barker Knauer LLP</div> </div> <div> <div>Amount:</div> <div>\$2,213.00</div> </div>

Component Description:	WRAL half of Legal Guidance invoice from Wilkinson Barker Knauer LLP
Amount:	\$1,638.25

Component Description:	1/2 of Wilkinson, Barker, Knauer, LLP invoice -- Legal guidance for Incentive Auction /Repack
Amount:	\$321.50

Component Description:	WRAL half of Legal Guidance invoice from Wilkinson Barker Knauer LLP
Amount:	\$218.25

Component Description:	1/2 of Wilkinson, Barker, Knauer, LLP invoice -- Legal guidance for Incentive Auction /Repack
Amount:	\$987.75

Component Description:	1/2 of Wilkinson, Barker, Knauer, LLP invoice -- Legal guidance for Incentive Auction /Repack
Amount:	\$1,630.50

	<p>Component Description: 1/2 of Wilkinson, Barker, Knauer, LLP invoice -- Legal guidance for Incentive Auction /Repack</p> <p>Amount: \$2,494.75</p>
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<p>Component Description: RF Consultant fees for modification of construction permit to reduce ERP.</p> <p>Amount: \$1,500.00</p> <p>Component Description: RF Consultant fees for application for license to cover construction permit for main antenna.</p> <p>Amount: \$250.00</p>
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	<p>Component Description: 02-24-2020 DLR Invoice 243548</p> <p>Amount: \$250.00</p> <p>Component Description: 02-24-2020 DLR Invoice 243950</p> <p>Amount: \$250.00</p> <p>Component Description: RF Engineering - application for license to cover Aux. construction permit.</p> <p>Amount: \$625.00</p>

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
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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	\$90,421.00	\$82,611.00		\$14,770.65	
Facility remote control and monitoing modifications	<i>\$4,836.00</i>	\$4,836.00	N/A	\$4,836.00	N/A
MVPD Notification of Channel Change	<i>\$1,250.00</i>	\$1,250.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$4,600.00</i>	\$4,600.00	No Predetermined Cost Estimate	\$259.84	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$10,000.00</i>	\$10,000.00	N/A	\$2,833.66	N/A
Non-zoning permits	<i>\$1,000.00</i>	\$1,000.00	N/A	N/A	N/A
Local Zoning	<i>\$5,850.00</i>	\$5,850.00	Wake County NC Commercial Building Permit for New Building Addition.	\$5,841.15	N/A

FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$3,750.00	N/A	N/A	N/A
Unexpected Site Modifications	\$1,000.00	\$1,000.00	N/A	\$1,000.00	N/A
Sigma Transmitter and RF System removal	\$40,000.00	\$40,000.00	Received formal quote for old WRAL IOT transmitter removal from Chuck Britt & Associates totaling \$40,000.00	N/A	N/A
Sub-total	\$90,421.00	\$82,611.00	N/A	\$14,770.65	N/A
Total for all systems	\$6,538,588.65	\$6,087,125.65	N/A	\$5,405,305.28	N/A

Components

Actual Information	
Description	File Name
Facility remote control and monitoing modifications	<p>Component Description: WRAL requested reimbursement amount for NFB consulting invoice.</p> <p>Amount: \$4,836.00</p>
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.

Equipment Delivery and Handling Charges	<p>Component Description: Freight expense from BeckTV. Invoice 10404</p> <p>Amount: \$259.84</p>
Disposal Costs (for equipment and other waste, net of any salvage value)	<p>Component Description: James River Building Company Invoice 1954 for Dumpster service.</p> <p>Amount: \$440.19</p> <p>Component Description: 12-9-19 - James River Invoice 1930 for waste dumpster removal and return.</p> <p>Amount: \$1,126.00</p> <p>Component Description: 12-9-19 - James River Invoice 1945 for waste dumpster removal and return.</p> <p>Amount: \$865.10</p> <p>Component Description: James River Building Company invoice 2006 for Dumpster dump and return service.</p> <p>Amount: \$402.37</p>
Non-zoning permits	Information not provided.
Local Zoning	<p>Component Description: WRAL Portion of the Building Permit expenses for the new transmitter building addition.</p> <p>Amount: \$5,841.15</p>

FCC Filing Fees - Form 2100 license to cover application	Information not provided.
DTV Medical Facility Notification	Information not provided.
Unexpected Site Modifications	<div> <div> Component Description: </div> <div> WRAL half of James River Building Company invoice 2005 </div> </div> <div> <div> Amount: </div> <div> \$1,000.00 </div> </div>
Sigma Transmitter and RF System removal	Information not provided.

**Cost
Information**

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$6,538,588.65	\$6,087,125.65	\$5,405,305.28

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	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> 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.

<p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Craig Stephen Turner <i>Project Engineer</i></p> <p>05/11/2020</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p>	
		<ol style="list-style-type: none"> 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.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Craig Stephen Turner <i>Project Engineer</i></p> <p>05/11/2020</p>

Attachments