

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

69124 Service: DTV Channel: 21 (UHF) Facility Call WUNG-TV Sign:

ID:

File 0000025415

Number:

FRN: 0001910066 Date 11/19

> Submitted: /2020

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
University of North Carolina Doing Business As: University of North Carolina	PO Box 14900 Research Triangle Park, NC 27709 United States	+1 (919) 549- 7000	fcc_notice@unctv. org	Government Entity

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Donald Smith Director of New Technologies Compliance & Planning University of North Carolina Center for Public television	Donald Smith 10 UNC-TV Drive Research Triangle Park, NC 27709 United States	+1 (919) 549-7000	dsmith@unctv. org

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.	No
Briefly describe transition plan	The transition plan is to construct an interim facility at the existing site. The interim facility would be used when operation on the new channel begins. After that the necessary changes would be made to the primary transmission system.

Transmitters

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

Auxiliary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Backup to Main
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	DHD30P1
	Year	2001
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	7.25 kW

Auxiliary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	ULXTE-20
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	12.9 kW
	Justification for New Transmitter	At the request of FCC reviewers the power capacity of the transmitter has been changed from post-filter output power to pre-filter output power. There is no change in the transmitter supplied.

Auxiliary Transmitter

Other Transmitter Costs

Section	Question	Response
Section	Question	Response

Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Auxiliary

Other Transmitter Cost Not Listed

Transmitter Information not provided.

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	DCX-2
	Year	1996
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	40 kW

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-40
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	25.3 kW
	Justification for New Transmitter	The transmitter power capacity was changed from post output filter to pre-output filter at the request of the fund administrator. No actual change of equipment is being made.

Primary Transmitter

Other Transmitter Costs

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

	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary

Other Transmitter Cost Not Listed

Transmitter Information not provided.

Antennas

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

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	Auxiliary
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	422.0 kW

Manufacturer	
Model	TFU- 30GTH-R O4
Year	2001

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Auxiliary (Backup)
	Description of Use	Interim Facility
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	397.0 kW
	Manufacturer	

Model	SAA28-O3- G300-ES6R- 21
Year	2019
Justification for New Antenna	The antenna can only operate on channel 44. The replacement antenna will be initially used as part of the interim facility during the transition. Following the transition it will become a permanent auxiliary antenna.

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes

	Broadband or Single Channel?	Single Channel
	Feed Line Size	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

Other Antenna Cost Not Listed

Information not provided.

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	160.0 kW

Manufacturer	
Model	ATW15H3- ETO-44H
Year	2010

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	260.0 kW
	Manufacturer	
		,

Model	SAA24- O4A-G400- ET5R-21
Year	2019
Justification for New Antenna	The antenna is a single channel slotted pylon style antenna. It cannot operate on a channel other than what it was designed, channel 44. The only viable option is to replace the antenna.

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel

	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Other Antenna Cost Not Listed

Information not provided.

Transmission ^{Seffien}	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Auxiliary Transmission Se

Existing Transmission Line

on Line Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Auxiliary
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission	Manufacturer	
Line Manufacturer and Type	Туре	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	800 feet per run

New Transmission Line

Auxiliary Transmission

n Line Section	Question	Response
New Transmission Line Costs	Use	Auxiliary (Backup)
	Description of Use	Interim and Eventual Auxiliary
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	800 feet per run
	Justification for New Transmission Line	The existing transmission line has a stick length of 20 feet, a length that is inconsistent with operations on channel 21. The only option is to replace the transmission line.

Other Transmission Line Expenses Not Listed Auxiliary Other Transmission Transmission to inetion not provided.

Primary Transmission Se

Existing Transmission Line

on Line Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission	Manufacturer	
Line Manufacturer and Type	Туре	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	1500 feet per run

New Transmission Line

Primary Transmission

nseinen	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1500 feet per run
	Justification for New Transmission Line	The existing transmission line has a stick length of 20 feet, a length that is inconsistent for operations on channel 21. The only option is to replace the transmission line.

Other Transmission Line Expenses Not Listed

Primary
Transmission of provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Move Equipment
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1014573
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	35° 21' 30.7" N-
	Longitude (NAD83)	080° 36' 36.4" W-
	Overall Structure Height	1394.01 feet
	Support Structure Height	1358.25 feet
	Ground Elevation Above Mean Sea Level (AMSL)	632.87 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	UNIVERSITY OF NORTH CAROLINA
Date Constructed	08/11/2010

Primary Tower

Tower Rigging Costs

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

Primary Tower

Other Tower Expenses Not Listed

Information not provided.

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	120
	Explanation	Because the transmission site is owned by the State of North Carolina, it is subject to various state construction project rules. One rule is the hiring of a designer to create submittals for project review and approval by the state.
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	Yes
	Quantity	1

	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	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	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A

Justification	N/A
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Outside Professional

Other Professional Services Expenses Not Listed

ıl	Services Costs	Description	
	Tower Structural Analysis	Required by State Building Code	
	Additional Legal Expenses	Legal expenses for non-catalog advice and review, including transition status reports and other miscellaneous legal needs.	

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	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	No
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
Electrical Construction	Construction and modifications to the electrical infrastructure of the existing building as required to support the new transmitters
General Construction	General Construction and administrative costs necessary for the installation of transmitters in the existing building.
Main Antenna System	Fine matcher assemblies necessary in order for the antenna system to meet the required performance requirements
Mechanical Construction	Construction and modifications to the HVAC infrastructure of the existing building as required to support the new transmitters.
Network Switch	Cisco 52-port Gigabit Switch connects devices together on computer network by using packet switching to receive, process, and forward data to destination device
Antenna Aux Other	Fine matcher assemblies necessary in order for the antenna system to meet the required performance requirements

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 ULXTE-40	\$972,550.00	\$397,458.60		\$397,373.02	
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$1,958.60	***System Notice: Estimate adjusted and locked because line has been superseded. ***	\$1,958.60	N/A

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$395,500.00	The estimated cost is for the approved GatesAir ULXTE-30 transmitter. The transmitter purchase has been upgraded to a ULXTE-40. It is understood that the station is responsible for the upgrade portion of the purchase price. See invoice Gates	\$395,414.42	Budget
Auxiliary Transmitter ULXTE-20	\$494,500.00	\$309,022.67	US0339411	\$231,500.34	
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$309,022.67	See narrative and quote	\$231,500.34	N/A
Sub-total	\$1,467,050.00	\$706,481.27	N/A	\$628,873.36	N/A
Total for all	\$3,501,574.80	\$2,680,779.89	N/A	\$2,327,434.50	N/A

Components

Actual Information	
Description	File Name

Transformer 3 phase/480v - 150 KVA	Component Description: Amount:	50% Transformer, see line 16 on Quotes. Separate 399 Item #. Purchase Order for all 11 sites. \$1,958.60
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	Component Description: Amount:	Final Main Transmitter See attach pg 1 for payment details, see pay obligation column see attach pg 3 for quote 87381 \$44,257.04
	Component Description: Amount:	Prim Trans, see attach pg 2-3 for pay details, due date revised to vendor terms, net 60 days. Transformer credit taken w/transmitter per Paige, PO for multiple sites. \$161,581.99
	Component Description: Amount:	50% Main Transmitter & Installation. Installation included w/Transmitter on Form 399. Transformer separate 399 Line Item. Purchase Order for all 11 Sites. \$189,575.39

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW

Component Description: Aux. Transm. Due

date revised to vendor terms, net 60. See attach pg. 2 for payment details. PO for multiple sites. Note

vendor used incorrect year (2018) on invoice date, but FCC Reimbursement Team requested invoice date be listed with year

2018.

Amount: \$92,554.05

Component Description: Final Invoice Aux

Transmitter See attach pg 1 for payment details, See attach pg 3 for quote 87380

\$62,156.94

Component Description: 50% Aux

Amount:

Transmitter & Installation.

Installation included w/Transmitter on

Form 399.

Purchase Order for

all 11 sites.

Amount: \$138,946.29

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 SAA24- O4A-G400- ET5R-21	\$308,530.00	\$201,800.00		\$178,483.50	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$11,700.00	N/A	N/A	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna, elliptically or circularly polarized	\$289,500.00	\$183,700.00	See attached narrative with quotes See invoice 27011705 w/quote for Main Fine Matchers	\$178,483.50	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Auxiliary Antenna SAA28-O3- G300- ES6R-21	\$274,440.00	\$192,500.00		\$142,204.50	

Pattern scatter analysis for side mount high /med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$11,700.00	N/A	N/A	N/A
Sweep test of	\$6,730.00	\$6,400.00	N/A	N/A	N/A

UHF - Lower	\$227,000.00	\$147,400.00	See attached	\$142,204.50	Budget Revision
Power			narrative		Revision
Side			with quotes		
Mount,			See		
One			Invoice		
station			27011704		
antenna			w/quote for		
200-500			Fine		
kW,			Matchers		
elliptically					
or					
circularly					
polarized					
Sub-total	\$582,970.00	\$394,300.00	N/A	\$320,688.00	N/A
Total for	\$3,501,574.80	\$2,680,779.89	N/A	\$2,327,434.50	N/A
all					
systems					

Actual Information Description	File Name
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.

UHF - High Power Top Mount (200-1000 kW), One	Component Description:	50% Main/Prima
station antenna, elliptically	Component Description:	Antenna Previou
or circularly polarized		50% paid on
		invoice 27011328
		Balance of invoice
		on separate Forn
		399 Category
	Amount:	\$89,241.75
	Component Description:	Prim/Main
		Antenna Fine
		Matchers See
		attached quote
	Amount:	N/A
	Common and Docarindian	Coo ottoch mont
	Component Description:	See attachment
		page 6 for
		diagram and clarification. 50%
		Primary Antenna
		included in Inv &
		PO Line 9.
		Invoice &
		Purchase Order
		are for 10 sites.
	Amount:	\$89,241.75
Sweep test of existing	Information not provided.	
antenna		
Pattern scatter analysis for side mount high/med power	Information not provided.	
antennas (if not included in antenna base cost)		
Side mount brackets for high	Information not provided.	
power antennas (if not included in antenna base cost)		
Elbow complex, single	Information not provided.	
channel, at antenna input, per 6 1/8. feedline (if needed)		

Sweep test of existing antenna	Information not provided.	
UHF - Lower Power Side Mount, One station antenna 200-500 kW, elliptically or circularly polarized	Component Description:	50% Aux Antenna Initial 50% paid invoice 27011328
	Amount:	\$71,102.25
	Component Description: Amount:	See Attachment Page 6 for diagram /comments. 50% Auxilliary Antenna included in Inv & PO Line 9. Invoice & Purchase Order are for 10 sites. \$71,102.25
	Component Description:	Aux Antenna Fine Matchers See attached quote
		allached quote

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	\$303,000.00	\$213,740.02		\$213,740.02	
Rigid Transmission Line - copper, 6 1/8"	\$303,000.00	\$213,740.02	See attached antenna narrative with quotes	\$213,740.02	N/A
Auxiliary Transmission Line	\$161,600.00	\$132,545.98		\$132,545.98	
Rigid Transmission Line - copper, 6 1/8"	\$161,600.00	\$132,545.98	See attached antenna narrative with quotes	\$132,545.98	N/A
Sub-total	\$464,600.00	\$346,286.00	N/A	\$346,286.00	N/A
Total for all systems	\$3,501,574.80	\$2,680,779.89	N/A	\$2,327,434.50	N/A

Actual Information		
Description	File Name	

Rigid Transmission Line -		
copper, 6 1/8"	Component Description:	50% Primary Transmission Line
		Previous 50% paid
		on invoice 27011328 Invoice
		Balance on
		separate Form
		399 Category
	Amount:	\$106,870.01
	Component Description:	See attachment
		page 6 for diagram /comments. 50%
		Primary Transmission Line
		included in Inv &
		PO Line 9. Invoice
		& Purchase Order are for 10 sites.
	Amount:	\$106,870.01
Rigid Transmission Line - copper, 6 1/8"	Component Description:	50% Auxilliary
	Component Booonpalem	Transmission Line
		Initial 50% paid on
		invoice 27011328.
	Amount:	\$66,272.99
	Component Description:	See attachment
		page 6 for diagram
		/comments. 50%
		Auxilliary Transmission Line
		included in Inv &
		PO Line 9. Invoice
		& Purchase Order
		are for 10 sites.
	Amount:	\$66,272.99

Cost Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$210,500.00	\$373,543.18		\$259,118.88	
Tall Tower (greater than 500')	\$210,500.00	\$373,543.18	See attached antenna narrative with quotes	\$259,118.88	N/A
Sub-total	\$210,500.00	\$373,543.18	N/A	\$259,118.88	N/A
Total for all systems	\$3,501,574.80	\$2,680,779.89	N/A	\$2,327,434.50	N/A

Actual Information	
Description	File Name

Tall Tower (greater than 500')

Component Description: Primary/Tall

Tower Installation for Auxilliary Antenna, See attach pg. 2 for payment details. PO Line 10. Purchase Order are for 10 sites.

Amount: \$72,347.29

Component Description: See attachment

page 6 for diagram /comments. 50% Primary/Tall

Tower Installation

for Primary

Antenna included in Inv & PO Line 10. Invoice & Purchase Order are for 10 sites.

Amount: \$114,424.29

Component Description: See attachment

page 6 for diagram /comments. 50% Primary/Tall

Tower Installation for Auxilliary

Antenna included in Inv & PO Line 10. Invoice & Purchase Order are for 10 sites.

Amount: \$72,347.30

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 Cos
Outside Professional Services	\$93,275.00	\$182,539.64		\$125,689.91	
Additional Legal Expenses	\$24,500.00	\$24,500.00	Estimate for legal expenses for non-catalog advice and review including transition status reports and other miscellaneous legal needs.	\$4,335.01	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	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	\$0.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	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	N/A	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
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	\$525.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,687.50	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$2,000.00	N/A	\$750.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$102.76	N/A

\$18,960.00	\$115,789.64	See attachment "WUNG Program Designer - Manager	\$115,789.64	N/A
		"WUNG Program Designer -		
		Program Designer -		
		Designer -		
		•		
		Manager		
		Narrative" for		
		160595		
\$7,000.00	\$7,000.00	N/A	\$2,500.00	N/A
\$93,275.00	\$182,539.64	N/A	\$125,689.91	N/A
\$3,501,574.80	\$2,680,779.89	N/A	\$2,327,434.50	N/A
	\$93,275.00	\$93,275.00 \$182,539.64	\$93,275.00 \$182,539.64 N/A	estimated cost Amendment #3 attached to Invoice 157570 Amendment #4 attached to Invoice 160595 \$7,000.00 \$7,000.00 N/A \$2,500.00 \$93,275.00 \$182,539.64 N/A \$125,689.91

Actual Information Description	File Name	
Additional Legal Expenses		
	Component Description: Amount:	Outside Professional Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 572.90/11 equal 52.08 as outlined on page 1 of invoice. \$52.08

Professional

Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 2594.40/11 equal 235.86 as outlined

on page 1 of

invoice.

Amount: \$235.86

Component Description:

Outside

Professional

Services Additional Legal Expenses Invoice applies to all 11 repack stations, amount requested reflects portion payable per Station: \$70.00/11 as indicated on

page 1 of Invoice

Amount: \$6.36

Component Description: Outside

Professional

Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 959.50/11 equal 87.23 as outlined on page 1 of invoice.

Amount: \$87.23

Component Description: Outside Professional Services Additional Legal Expenses \$109.50 Amount: **Component Description:** Outside Professional Services Additional Legal Expenses Amount: \$67.40 **Component Description:** Outside Professional Services Additional Legal Expenses Amount: \$182.50 **Component Description:** Outside Professional Services Additional Legal Expenses Amount: \$36.50 **Component Description:** Outside Professional Services Additional Legal Expenses Amount: \$67.40

Component Description: Outside

Professional

Services Additional Legal Expenses

Amount: \$70.00

Professional

Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 402.00/11 equal 36.54 as outlined on page 1 of

Amount: \$36.54

Component Description: Outside

Professional

invoice.

Services Additional

Legal Expenses

Amount: \$33.70

Component Description: Outside Prof. Svcs

Additional Legal

Expenses

Amount: \$73.00

Component Description: Outside

Professional

Services Additional Legal Expenses

Amount: \$280.00

Professional

Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 2059.90/11 equal 187.26 as outlined on page 1 of

invoice.

Amount: \$187.26

Component Description: Outside

Professional

Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 765.00/11 equal 69.54 as outlined on page 1 of

invoice. \$69.54

Amount: \$69.54

Component Description: Outside

Professional

Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 1617.10/11 equal 147.01 as outlined on page 1 of

invoice.

Amount: \$147.01

Professional

Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 323.00/11 equal 29.36 as outlined

invoice. **Amount:** \$29.36

Component Description: Ou

Outside Professional

on page 1 of

Services Additional

Legal Expenses Legal services benefit entire FCC

Repack project across all 11 Call Signs/Facility IDs, 315.00/11 equal 28.64 as outlined

invoice.

on page 1 of

Amount: \$28.64

Component Description: Outside

Professional

Services Additional

Legal Expenses

Amount: \$35.00

Professional

Services Additional Legal Expenses Legal services benefit entire FCC

Repack project across all 11 Call Signs/Facility IDs, 175.00/11 equal 15.91 as outlined

on page 1 of

invoice.

Amount: \$15.91

Component Description: Outside

Professional

Services Additional

Legal Expenses

Amount: \$105.00

Component Description: Outside

Professional

Services Additional

Legal Expenses

Amount: \$219.00

Component Description: Outside

Professional

Services Additional

Legal Expenses

Amount: \$35.00

Component Description: Outside

Professional

Services Additional Legal Expenses

Logai Export

Amount: \$539.20

Professional

Services Additional

Legal Expenses

Amount: \$70.00

Component Description:

Outside

Professional

Services Additional

Legal Expenses

Amount: \$70.00

Component Description:

Outside

Professional

Services Additional Legal Expenses Legal services

benefit entire FCC Repack project across all 11 Call

Signs/Facility IDs, 350.00/11 equal 31.82 as outlined

on page 1 of

invoice. \$31.82

Amount: \$31.8

Component Description:

Outside

Professional

Services Additional Legal Expenses 6

/05 thru 6/24 1.30 times 365.00

. .

Amount: \$474.50

Component Description:

Outside Professional

Services Additional

Legal Expenses

Amount: \$683.50

Professional

Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 3472.00/11 equal 315.64 as outlined

on page 1 of

invoice.

Amount: \$315.64

Component Description: Outside

Professional

Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 368.00/11 equal 33.45 as outlined

invoice. \$33.45

Amount: \$33.45

Component Description: Outside

Professional

on page 1 of

Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 67.40/11 equal

6.13 as outlined on page 1 of invoice.

Amount: \$6.13

Professional

Services Additional Legal Expenses Legal services benefit entire FCC Repack project across 10 of 11 Call Signs/Facility IDs, 3378.88/10

outlined on page 1

equal 337.89 as

of invoice.

Amount: \$337.89

Component Description: Outside

Professional

Services Additional

Legal Expenses Legal services benefit entire FCC Repack project

across all 11 Call Signs/Facility IDs, 168.50/11 equal 15.32 as outlined

on page 1 of invoice.

Amount: \$15.32

Component Description: Outside

Professional

Services Additional Legal Expenses Invoice applies to all 11 repack stations, amount requested reflects portion payable per Station: \$245.00/11

as indicated on page 1 of Invoice

Amount: \$22.27

FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.	
ASR modification (prepare FCC Form 854)	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Component Description: Amount:	Outside Professional Services Attorney Fees CP Aux Antenna 6/28/2019 . 30 times 365.00 \$109.50
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna:	Information not provided.	
Prepare engineering section of FCC Form 2100, License to Cover Application		

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Component Description: Amount:	Outside Prof Svcs Consult Engineer CP for Aux \$525.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Outside Professional Services Engineering Section FCC Form 2100 Construction Permit Application (Main/Primary) \$1,687.50
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	Outside Professional Services Engineering Study New Channel Assignment Antenna Development \$750.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	

Prepare and or review reimbursement form

Component Description: Outside

Professional Services Prepare Reimbursement Wages & Employer

Portion Social Security for Temp Employee. Tasks applicable to all 11

repack sites,

amount requested reflects portion payable per site.

Amount: \$102.76

Project management of the transition

Component Description: Outside

Professional
Services Project
Management See
attachment pg. 3 &

4 for Project Summary \$9,022.50

Amount:

Component Description: Outside Prof Svcs

Proj Mgmt of Transition See attach pg. 2-5 for Contract/Invoice Summary.

Amendment #3 on

pg. 6. 12,800

divided by 11 equal 1,164.64 for 7 sites, 1,164.63 for 4 sites. PO/Contract for all eleven transmitter

sites.

Amount: \$2,285.64

Component Description: Outside Proj Svcs

Proj Mgmt of Transition PO for eleven multiple sites See attach pg 3-6 for Contract /Invoice summary

Amount: \$1,394.20

Component Description: Outside

Professional
Services Project
Management of
Transition See
attachment pg 3-5
for Contract/Invoice

Summary.

Amount: \$4,795.66

Component Description: Outside

Professional
Services Project
Management of
Transition See
attachment pg. 3-6
for Contract/Invoice
Summary. PO
/Contract for all
eleven transmitter

sites.

Amount: \$3,545.38

Component Description: Outside

Professional
Services Project
Management of
Transition See
attachment pg 3-5
for Contract/Invoice

Summary.

Amount: \$46,536.60

Professional
Services Project
Management of
Transition See
attachment pg 3-5
for Contract/Invoice

Summary.

Amount: \$11,093.20

Component Description: Outside

Professional Svcs
Proj Mgmt of
Transition PO for
eleven multiple
sites See attach pg
2-7 for Contract
/Invoice summary

Amount: \$1,089.00

Component Description: Outside Prof

Services Project Management See Contract/Invoice summary for 11 sites attach pgs 5-

15

Amount: \$4,600.00

Component Description: Outside

Professional
Services Project
Management of
Transition See
attachment pg 3-5
for Contract/Invoice

Summary.

Amount: \$4,053.78

Professional
Services Project
Management of
Transition See
attachment pg. 3-6
for Contract/Invoice
Summary. PO

/Contract for all eleven transmitter

sites.

Amount: \$2,154.20

Component Description: Outside

Professional
Services Project
Management of
Transition See
attachment pg 3-6
for Contract/Invoice
Summary. PO

/Contract for all eleven transmitter

sites.

Amount: \$9,591.32

Component Description: Outside

Professional
Services Project
Management
\$9,022,50

Amount: \$9,022.50

Component Description: Outside Prof Svcs

Project Mgmt Attach pg 1-2 Invoice Attach pg 3-

19 Contracts Attach pg 10-30 Project

Summary

Amount: \$3,040.00

Professional
Services Project
Management of
Transition See
attachment pg 3-5
for Contract/Invoice
Summary. PO

/Contract for all eleven transmitter

sites.

Amount: \$4,795.66

Component Description: Outside

Professional Svcs
Proj Mgmt of
Transition PO for
eleven multiple
sites See attach pg
2-7 for Contract
/Invoice summary

Amount: \$1,089.00

Component Description: Outside

Professional Services Project Management See attachment pg. 3 &

4 for Project Summary

Amount: \$6,703.50

Tower Structural Analysis

Component Description: Outside

Professional Services Tower Structural Analysis See attachment page 7 for schedule

of services.

Amount: \$2,500.00

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost
Other Expenses	\$683,179.80	\$677,629.80		\$646,778.35	
Mechanical Construction	\$261,895.40	\$261,895.40	See the attached WUNG GC Budget for more details See Heartland 18865WUNG-9	\$261,895.40	N/A
Main Antenna System	\$5,164.60	\$5,164.60	Fine matcher assemblies required for antenna system to meet the required performance specifications	\$5,164.60	N/A
General Construction	\$153,698.19	\$153,698.19	See the attached document WUNG GC Budget for more details See Heartland 18865WUNG-9	\$153,698.19	N/A

Electrical Construction	\$160,005.91	\$160,005.91	See the attached document WUNG GC	\$160,005.90	Budget Revisior
			Budget for more details See Heartland 18865WUNG- 9		
MVPD Notification of Channel Change	\$5,500.00	\$5,500.00	Preliminary estimate of services	\$463.64	N/A
Develop and air announcement of upcoming channel change	\$2,000.00	\$2,000.00	Preliminary estimate	N/A	N/A
Equipment Delivery and Handling Charges	\$6,000.00	\$6,000.00	Preliminary estimate	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$71,153.10	\$71,153.10	Per invoiced cost from competitive bid process.	\$55,588.05	N/A
DTV Medical Facility Notification	\$11,550.00	\$6,000.00	Preliminary estimate of services	\$3,750.00	N/A
Antenna Aux Other	\$5,164.60	\$5,164.60	See RFS Inv 27011704 with attached quote	\$5,164.60	N/A
Network Switch	\$1,048.00	\$1,048.00	See attachment - WUNG Network Switch Justification	\$1,047.97	N/A

Sub-total	\$683,179.80	\$677,629.80	N/A	\$646,778.35	N/A
Total for all systems	\$3,501,574.80	\$2,680,779.89	N/A	\$2,327,434.50	N/A

Actual Information Description	File Name	
Mechanical Construction	Component Description:	Mechanical Contract See attach pg 1 for invoice details and
	Amount:	project recon. \$13,094.77
	Component Description:	Mechanical/HVAC Contract PO for multiple sites
	Amount:	\$136,610.00
	Component Description:	Other Expenses Mechanical Contract Attachment pg 1 specifics of payment Attachment pg 2-8 Vendor supplied invoice Attachment pg 9 begins PO Summary & associated documentation. PO for multiple sites.
	Amount:	\$9,370.23

Component Description: Other Expenses

Mechanical

Contract Payment details begin on attachment pg 11. PO for multiple

sites.

Amount: \$3,659.40

Component Description: Other Expenses

Mechanical

Contract Payment details begin on attachment pg 4. PO for multiple

sites.

Amount: \$93,917.00

Component Description: Other Expenses

Mechanical

Contract Payment details begin on attachment pg 27. PO for multiple

sites.

Amount: \$5,244.00

Main Antenna System

Component Description: Main Antenna Fine

Matchers See attached quote

Amount: \$5,164.60

General Construction

Component Description: General Contract

See attach pg 1 for invoice details and project recon.

Amount: \$7,684.91

Component Description: General Contract

PO for multiple sites

Amount: \$37,637.10

Component Description: Other Expenses

Electrical Contract Attachment pg 1 specifics of payment

Attachment pg 2-10 Vendor supplied invoice Attachment pg 11 begins PO Summary & associated

documentation. PO for multiple sites.

Amount: \$3,325.00

Component Description: Other Expenses

General Contract Attachment pg 1 specifics of payment

Attachment pg 2-8 Vendor supplied invoice Attachment pg 9 begins PO Summary & associated

documentation. PO for multiple sites.

Amount: \$22,642.92

Component Description: Other Expenses

General Contract Payment details

begin on

attachment pg 11. PO for multiple

sites.

Amount: \$10,450.00

Component Description: Other Expenses

General Contract Payment details

begin on

attachment pg 14. PO for multiple

sites.

Amount: \$11,931.88

Component Description: General Contract

PO for multiple sites

Amount: \$29,953.50

Component Description: Other Expenses

General Contract
Payment details

begin on

attachment pg 4. PO for multiple

sites.

Amount: \$26,623.69

Component Description: Other Expenses

General Contract Payment details

begin on

attachment pg 27. PO for multiple

sites.

Amount: \$3,449.19

Electrical Construction

Component Description: Electrical Contract

See attach pg 1 for invoice details, project recon.

Amount: \$8,000.29

Component Description: Electrical Contract

PO for multiple sites

Amount: \$37,602.90

Component Description: Other Expenses

Electrical Contract Attachment pg 1 specifics of payment

Attachment pg 2-8 Vendor supplied invoice Attachment pg 9 begins PO Summary & associated

documentation. PO for multiple sites.

Amount: \$40,280.00

Component Description: Other Expenses

Electrical Contract Payment details

begin on

attachment pg 14. PO for multiple

sites.

Amount: \$13,846.44

Component Description: Other Expenses

Electrical Contract
Payment details

begin on

attachment pg 4. PO for multiple

sites.

Amount: \$58,844.62

Component Description: Other Expenses

Electrical Contract Payment details

begin on

attachment pg 27. PO for multiple

sites.

Amount: \$1,431.65

MVPD Notification of Channel Change	Component Description:	MVPD Notify See attach pg. 12-13 \$5,100 for 11 sites equal 463.64 each
	Amount:	\$463.64
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Delivery and Handling Charges	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description:	Final Invoice Main Disposal See attach pg 1 for
	Amount:	payment details \$20,011.50
	Component Description:	Final Invoice Aux Disposal See attach pg 1 for
	Amount:	payment details. \$15,565.05
	Component Description:	50% Disposal Aux Transmitter. Purchase Order for
	Amount:	all 11 sites. \$15,565.05
	Component Description:	50% Disposal Main Transmitter. Purchase Order for
	Amount:	all 11 sites. \$20,011.50

OTV Medical Facility Notification	Composed December	Madiaal
	Component Description:	Medical
		Notification, PO
		/Quote for multiple
		Call/Locations.
	Amount:	\$3,750.00
Antenna Aux Other		
	Component Description:	Aux Antenna Fine
		Matchers See
		attached quote
	Amount:	\$5,164.60
Network Switch		
	Component Description:	Other Expenses
		Network Switch 11
		Switches for total of
		11,527.67 equals
		1,047.97 per
		transmitter site.
	Amount:	\$1,047.97

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,501,574.80	\$2,680,779.89	\$2,327,434.50

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

Section Question Response

Submission of Estimated Expenses Statements

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.

- 1. The Authorized
 Person signing
 below certifies that he
 /she is authorized to
 submit this TV
 Broadcaster
 Relocation Fund
 Reimbursement
 Form on behalf of
 the above-named
 entity.
- 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.
- 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.

- 4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
- 7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

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

Donald Smith Director of New Technologies Compliance

11/19/2020

& Planning

Section Question Response

Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).

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

- 4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
- 5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

- 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

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

Robert Levin Director of Finance and Administration

11/19/2020

Section Question Response

Submission of Final Allocation or Accounting Information 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 and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. The abovenamed entity acknowledges that all certifications and attached documentation are considered material representations.
- 2. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.

- 3. The above-named entity certifies that all costs identified as "actual costs" herein accurately represent the costs actually paid by the above-named entity, including any discounts, refunds, or rebates.
- 4. 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.
- 5. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 6. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Robert Levin Director of Finance & Administration

11/19/2020

Attachments