

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

69114 Service: **DTV** Facility Call **WUNE-TV** Channel: 36 (UHF) Sign:

ID:

File 0000027167

Number:

FRN: 0001910066 Date 11/10

> 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 27709 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 , Smith . Director of New Technologies Compliance & Planning University of North Carolina Center for Public Television	Donald Smith 10 T.W. Alexander Drive Research Triangle Park, NC 27709 United States	+1 (919) 549-7025	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

Add 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	LU2500ATD
	Year	2008
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	2.5 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-10
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	6 kW
	Justification for New Transmitter	The transmitter support company has indicated that they may be able to provide rechannelization proposals for some models. At this time they have failed to provide a proposal. See attachment for further details.

Auxiliary Transmitter

Other Transmitter Costs

Electrical Service		
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	DHD45P2
	Year	2001
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	10.5 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-72
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	44 kW
	Justification for New Transmitter	The transmitter manufacturer has indicated that components necessary to modify the transmitter for operation on its new channel are no longer available and it will not be able to provide rechannelization services for the transmitter. See attached letter

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

Add Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	Backup to Main
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this antenna currently shared with any other stations?	No
	Is this antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	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)	63.0 kW

Manufacturer	
Model	ATW8G4- HSS-17
Year	1986

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Auxiliary (Backup)
	Description of Use	Interim Facility and Eventual Auxiliary
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	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)	1000.0 kW

Manufacturer	
Model	SAA20- ATW_C2- G500-ES6R- 36
Year	2019
Justification for New Antenna	The antenna can only operate on channel 17. 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

		1
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?	Yes
	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)	100.0 kW

Manufacturer	
Model	ATW19HS5- ETC2-1
Year	1994

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?	Yes
	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)	1000.0 kW
	Manufacturer	

Model	SAA23- ATW_C2- E500-ET6R- 36
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 17. 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

Add Transmission Line

Auxiliary Transmission

n Line Section	Question	Response
Existing Transmission Line 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 transmission currently shared with any other stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	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	210 feet per run

Auxiliary

New Transmission Line Transmission Line Question Response **New Transmission Line** Use Auxiliary Costs (Backup) Description of Use Interim and backup to main Change Type Purchase New Is this a request for upgraded equipment? No Rigid Type Diameter 6 1/8 inches

Other Diameter

Segment Length

Length

Other Segment Length

Number of parallel runs

Justification for New Transmission Line

N/A

N/A

1

run

is

with

line.

20 inches

210 feet per

The existing transmission line has a stick length of 19-1/2 feet, a length that

inconsistent

operations on channel 36. The only option is to replace the transmission

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

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Move Equipment
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1014575
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	36° 03' 50.0 N-
	Longitude (NAD83)	081° 50' 32.0" W-
	Overall Structure Height	449.14 feet
	Support Structure Height	400.26 feet
	Ground Elevation Above Mean Sea Level (AMSL)	4606.24 fee

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	UNIVERSITY OF NORTH CAROLINA
Date Constructed	01/01/1990

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	The transmission site is owned by the State of North Carolina. The state requires a project designer to submit plans for the project for review and approval. this is very similar to the local permitting process but done on the state level
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
	Quantity	
	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

Outside Professional

Other Professional Services Expenses Not Listed

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

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 an existing building.
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

Cost Information

Transmitters

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

			Estimated			
	Predetermined	Estimated	Cost		Actual Cos	
Description	Cost Estimate	Cost	Justification	Actual Cost	Justificatio	
Primary Transmitter ULXTE-72	\$1,498,550.00	\$471,958.60		\$298,811.19		
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$470,000.00	The estimated cost is for the approved GatesAir ULXTE-20 transmitter. The transmitter purchase has been upgraded to a ULXTE-72. It is understood that the station is responsible for the upgrade portion of the purchase price.	\$296,852.59	N/A	
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	

Auxiliary Transmitter ULXTE-10	\$273,500.00	\$260,000.00		\$164,623.82	
UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	\$273,500.00	\$260,000.00	N/A	\$164,623.82	N/A
Sub-total	\$1,772,050.00	\$731,958.60	N/A	\$463,435.01	N/A
Total for all systems	\$3,144,822.18	\$2,322,282.01	N/A	\$1,706,857.67	N/A

Components

Actual Information Description	File Name	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Component Description: Amount:	Final Invoice Main Transmitter See attach pg 1 for payment details, note pay obligation column See attach pg 3 for quote 87466 \$54,106.63
	Component Description: Amount:	Primary Transmitter See attachment pg. 1 for payment details. Please note funding obligation column. Immediate Due Date on invoice adjusted to vendor terms of 60 days. PO for multiple sites. \$103,459.37

Component Description: 50% FCC Portion

Transmitter & Installation. Installation included w /Transmitter on Form 399. Transformer separate 399 line item. Purchase Order for all 11

eleven sites.

Amount: \$139,286.59

Component Description: Primary

Transmitter See attachment pg. 2 for payment details. Please note funding column.

Immediate Due
Date on invoice
adjusted to vendor
terms of 60 days.
PO for multiple

sites.

Amount: \$103,459.37

Transformer 3 phase/480v - 150 KVA

Component Description: FCC Portion 50%

Transformer, see Quote Line 17. Purchase Order for all 11 sites.

Amount: \$1,958.60

UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW

Component Description: 50% Aux

Transmitter & Installation. Installation included w /Transmitter on Form 399.

Purchase Order for all 11 sites.

Amount: \$85,547.98

Component Description: Final Aux

Transmitter See attach pg 1 for payment details See attach pg 3 for quote 87469

Amount: \$22,633.28

Component Description: Auxilliary

Transmitter See attachment pg. 2 for payment

details. Immediate

Due Date on

invoice adjusted to vendor terms of 60 days. PO for multiple sites.

Amount: \$56,442.56

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 SAA23- ATW_C2- E500-ET6R- 36	\$308,530.00	\$202,428.00		\$104,319.00	
UHF - High Power Top Mount (200- 1000 kW), One station antenna, elliptically or circularly polarized	\$289,500.00	\$172,818.00	See RFS Antenna Change Narrative with Quotes	\$86,409.00	N/A
Sweep test of existing antenna	\$6,730.00	\$17,910.00	See RFS Invoice 27011624	\$17,910.00	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
Auxiliary Antenna SAA20- ATW_C2- G500-ES6R- 36	\$170,639.50	\$179,809.50		\$123,199.50	

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
UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, elliptically or circularly polarized	\$123,199.50	\$123,199.50	See attached RFS Antenna Change Narrative with Quotes	\$123,199.50	Budget will be increased for PreSweep
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	\$6,730.00	\$17,910.00	See Invoice	\$0.00	Budget will be revised
of existing antenna			27011624		

Total for	\$3,144,822.18	\$2,322,282.01	N/A	\$1,706,857.67	N/A
all systems					

Components

Actual Information Description	File Name	
UHF - High Power Top Mount (200-1000 kW), One station antenna, elliptically or circularly polarized	Component Description: Amount:	50% Primary Antenna included in Inv & PO Line 5. Invoice & Purchase Order are for 10 sites. \$86,409.00
Sweep test of existing antenna	Component Description: Amount:	Main/Primary Pre Sweep See quote attach pg 4 Item 000030 \$17,910.00
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	

UHF - High Power, Side		
Mount, basic slot antenna, 1000 kW input, directional,, elliptically or circularly colarized	Component Description:	50% Aux Ant, 1st item on invoice. Initial 50% paid on Invoice 27011328. 2nd invoice item on separate 399 category for Aux Transmiss Line. Note corrected invoice total to \$82,230.54 see comparable pricing to indicate upgrade is price
	Amount:	reduction. \$61,599.75
	Component Description:	50% Auxilliary Antenna included in Inv & PO Line 5. Invoice & Purchase Order are for 10 sites.
	Amount:	\$61,599.75
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.	
Sweep test of existing		
antenna	Component Description:	Aux Pre Sweep See quote attach pg 4 Separate Form 399 category for invoice balance - Tower
	Amount:	N/A

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
Auxiliary Transmission Line	\$42,420.00	\$41,261.59		\$41,261.59	
Rigid Transmission Line - copper, 6 1/8"	\$42,420.00	\$41,261.59	See attached RFS Antenna Change Narrative with Pricing	\$41,261.59	N/A
Sub-total	\$42,420.00	\$41,261.59	N/A	\$41,261.59	N/A
Total for all systems	\$3,144,822.18	\$2,322,282.01	N/A	\$1,706,857.67	N/A

Components

Actual Information	
Description	File Name

Rigid Transmission Line - copper, 6 1/8"

Component Description: 50% Auxilliary

Transmission Line,

2nd item on

invoice. Initial 50% paid on invoice # 27011328. 2nd item on invoice paid from separate 399 category-Aux Antenna. Note corrected invoice total to \$80,230.54

Amount: \$20,630.79

Component Description: 50% Auxilliary

Transmission Line included in Inv & PO Line 5. Invoice & Purchase Order are for 10 sites.

Amount: \$20,630.80

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 Primary Tower TOWER	Predetermined Cost Estimate \$84,200.00	Estimated Cost \$292,927.00	Estimated Cost Justification	Actual Cost \$217,756.96	Actual Cost Justification
Short Tower (less than 500')	\$84,200.00	\$292,927.00	See attached RFS Antenna Change Narrative with Pricing See RFS Invoice 27011697 with quotes for additional tower work to safely remove old primary /main antenna.	\$217,756.96	N/A
Sub-total	\$84,200.00	\$292,927.00	N/A	\$217,756.96	N/A
Total for all systems	\$3,144,822.18	\$2,322,282.01	N/A	\$1,706,857.67	N/A

Components

Actual Information		
Description	File Name	

Short Tower (less than 500')

Component Description: 50% Primary

/Short Tower Installation for Auxilliary

Antenna Initial 50% paid on invoice 27011328

Amount: \$41,563.61

Component Description: 50% Primary

/Short Tower Installation for Auxilliary

Antenna included in Inv & PO Line 6. Invoice & Purchase Order are for 10 sites.

Amount: \$41,563.62

Component Description: Additional tower

work required to safely remove the old main/primary antenna from tower. See attached invoice and quotes.

Amount: \$59,459.80

Component Description: 50% Primary

/Short Tower Installation for Primary Antenna included in Inv & PO Line 6. Invoice &

Purchase Order are for 10 sites.

Amount: \$75,169.93

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	\$206,239.64		\$143,267.31	
Project management of the transition	\$18,960.00	\$134,489.64	See attachment "WUNE Program Designer - Manager Narrative" for details on estimated cost Amendment #3 attached to Invoice 157570 Amendment #4 attached to Invoice 160595	\$134,489.64	N/A
Tower Structural Analysis	\$7,000.00	\$7,000.00	N/A	\$1,500.00	N/A
Additional Legal Expenses	\$24,500.00	\$24,500.00	Preliminary estimate for legal expenses for non-catalog advice and review including transition status reports and other miscellaneous legal needs.	\$4,099.91	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	\$725.00	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	\$7,000.00	N/A	\$662.50	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$102.76	N/A
Sub-total	\$93,275.00	\$206,239.64	N/A	\$143,267.31	N/A
Total for all systems	\$3,144,822.18	\$2,322,282.01	N/A	\$1,706,857.67	N/A

Components

Actual Information Description	File Name	
Project management of the	•	
transition	Component Description:	Outside Professional Services Project Management of Transition See attachment pg 3-5 for Contract/Invoice Summary.
	Amount:	\$4,438.02

Component Description: Outside Prof Svcs

Project Mgmt Attach pg 1-2

Invoice Attach pg 3-19 Contracts Attach pg 10-30 Project

Summary

Amount: \$3,540.00

Component Description: Outside

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

Summary.

Amount: \$53,069.40

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: \$3,987.42

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: \$10,607.88

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: \$4,529.64

Component Description: Outside Proj Svcs

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

Amount: \$1,552.80

Component Description: Outside

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

Amount: \$3,267.00

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

eleven transmitter

/Contract for all

sites.

Amount: \$5,303.94

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: \$2,437.80

Component Description: Outside

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

Amount: \$3,267.00

Component Description: Outside

Professional Services Project Management See attachment pg. 3 & 4 for Project

Summary \$6,703,50

Amount: \$6,703.50

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

Summary.

Amount: \$12,358.80

Component Description: Outside

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

Summary.

Amount: \$5,303.94

Component Description: Outside

Professional
Services Project
Management See
attachment pg. 3 &
4 for Project

Summary \$9,022.50

Amount: \$9,022.50

Component Description: Outside Prof

Amount:

Services Project Management Contract/Invoice Summary for 11 sites see attach

pgs 5-15. \$5,100.00

Professional Services Project

Management

Amount: \$9,022.50

Tower Structural Analysis

Component Description: Outside

Professional
Services Tower
Structural Analysis
See attachment
page 7 for schedule

of services.

Amount: \$1,500.00

Additional Legal Expenses

Component Description: Outside

Professional

Services Additional Legal Expenses

Amount: \$245.40

Component Description: Outside

Professional

Services Additional Legal Expenses

Amount: \$33.70

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
15.31 as outlined
on page 1 of
invoice.

045.04

Amount: \$15.31

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. **Amount:** \$52.08

Component Description: Outside

Professional

Services Additional

Legal Expenses

Amount: \$70.00

Component Description: Outside

Professional

Services Additional

Legal Expenses

Amount: \$35.00

Component Description: Outside

Professional

Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 402.00/11 equal 36.55 as outlined

on page 1 of invoice.

Amount: \$36.55

Professional

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 on page 1 of

invoice. **Amount:** \$28.64

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: \$6.37

Component Description: Outside

Professional

Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 2059.90/11 equal 187.27 as outlined on page 1 of

invoice.

Amount: \$187.27

Professional

Services Additional Legal Expenses Legal services benefit entire FCC Repack project

across all 11 Call Signs/Facility IDs, 3472.00/11 equal 315.63 as outlined

on page 1 of invoice.

\$315.63 Amount:

Component Description: Outside

Professional

Services Additional

Legal Expenses

Amount: \$67.40

Component Description: Outside

Professional

Services Additional Legal Expenses

Amount: \$67.40

Component Description: Outside

Professional

Services Additional

Legal Expenses

Amount: \$69.55

Component Description: Outside

Professional

Services Additional Legal Expenses

Amount: \$70.00

Professional

Services Additional

Legal

ExpensesLegal services benefit entire FCC Repack project across all 11 Call Signs

/Facility IDs, 959.50 /11 equal 87.22 as outlined on page 1

of invoice.

Amount: \$87.22

Component Description: Outside

Professional

Services Additional

Legal Expenses

Amount: \$182.50

Component Description: Outside Prof Svcs.

Additional Legal

Expenses

Amount: \$109.50

Component Description: Outside

Professional

Services Additional

Legal Expense

Amount: \$88.50

Component Description: Outside Prof Svcs

Additional Legal

Expenses

Amount: \$73.00

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

Component Description: Outside

Professional

Services Additional Legal Expenses

Amount: \$35.00

Component Description: Outside

Professional

Services Additional Legal Expenses

Amount: \$105.00

Component Description: Outside

Professional

Services Additional Legal Expenses

Amount: \$35.00

Component Description: Outside

Professional

Services Additional Legal Expenses

Amount: \$539.20

Professional

Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 368.00/11 equal 33.46 as outlined

invoice. \$33.46

Component Description:

Amount:

Outside

on page 1 of

Professional

Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 2594.40/11 equal 235.85 as outlined

on page 1 of invoice.

\$235.85

Component Description:

Amount:

Outside

Professional

Services Additional Legal Expenses 6 /05 thru 6/24 1.60 times 365.00

Amount: \$584.00

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 on page 1 of

Amount: \$29.36

Component Description: Outside

Professional

invoice.

Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 175.00/11 equal 15.90 as outlined on page 1 of

invoice. **Amount:** \$15.90

Component Description: Outside

Professional

Services Additional

Legal Expenses

Amount: \$109.50

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.

Amount: \$31.82

Component Description: Outside

Professional

Services Additional Legal Expense 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

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

Amount: \$70.00

Component Description: Outside

Professional

Services Additional

Legal Expenses

Amount: \$505.50

Component Description: Outside

Professional

Services Additional Legal Expenses

Amount: \$35.00

Component Description: Outside

Professional

Services Additional

Legal Expenses
Legal services
benefit entire FCC
Repack project
across 10 of 11
Call Signs/Facility
IDs, 3378.88/10
equal 337.89 as
outlined on page 1

of invoice.

Amount: \$337.89

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 .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: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Component Description:	Outside Prof Svc RF Consult Engineer Construct Permit Aux
, φριισατιστί	Amount:	\$725.00

Prepare engineering section of FCC Form 2100 Outside **Component Description:** (main), Construction Professional **Permit Application** Services Engineering Section FCC Form 2100 Construction Permit Application Main/Primary \$1,687.50 Amount: Perform engineering study for new channel **Component Description:** Outside assignment and antenna Professional development Services **Engineering Study** New Channel Assignment Antenna Development Amount: \$662.50 Address transition timing Information not provided. and coordination issues w/ other stations and wireless 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

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	\$673,707.68	\$667,657.68		\$613,618.30	
Network Switch	\$1,048.00	\$1,048.00	See attachment - WUNE Network Switch Justification	\$1,047.97	N/A
Mechanical Construction	\$241,520.00	\$241,520.00	See WUNE GC Budget attachment for details	\$240,720.00	N/A
General Construction	\$161,869.85	\$161,869.85	See WUNE GC Budget attachment See Heartland 18865WUNE- 9	\$161,869.85	Budget Revision
Electrical Construction	\$178,201.83	\$178,201.83	See WUNE GC Budget attachment for details See Heartland 18865WUNE- 9	\$178,201.64	N/A
MVPD Notification of Channel Change	\$5,500.00	\$5,500.00	Preliminary estimate of services	\$463.64	N/A

air announcement of upcoming channel change Equipment Delivery and Handling Charges DTV Medical Facility Notification Sequipment and other waste, net of any salvage value) Signature \$10,000.00 \$10,000.00 Preliminary estimate N/A \$10,000.00 Preliminary estimate of service \$3,750.00 \$62,018.00 \$62,018.00 See attached quotes for disposal of both transmitters \$427,565.20 \$462,018.00 \$62						
Delivery and Handling Charges DTV Medical \$11,550.00 \$5,500.00 Preliminary \$3,750.00 Notification Disposal Costs (for equipment and other waste, net of any salvage value) Sub-total \$673,707.68 \$667,657.68 N/A \$613,618.30 Notification Service	air announcement of upcoming channel	\$2,000.00	\$2,000.00	•	N/A	N/A
Facility estimate of service Disposal \$62,018.00 \$62,018.00 \$ee \$27,565.20	Delivery and Handling	\$10,000.00	\$10,000.00	•	N/A	N/A
Costs (for equipment and other waste, net of any salvage value) Sub-total \$673,707.68 \$667,657.68 N/A \$613,618.30 N Total for all \$3,144,822.18 \$2,322,282.01 N/A \$1,706,857.67 N	Facility	\$11,550.00	\$5,500.00	estimate of	\$3,750.00	N/A
Total for all \$3,144,822.18 \$2,322,282.01 N/A \$1,706,857.67 N	Costs (for equipment and other waste, net of any	\$62,018.00	\$62,018.00	attached quotes for disposal of both	\$27,565.20	N/A
	Sub-total	\$673,707.68	\$667,657.68	N/A	\$613,618.30	N/A
		\$3,144,822.18	\$2,322,282.01	N/A	\$1,706,857.67	N/A

Components

Actual Information Description	File Name	
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
Mechanical Construction		

Mechanical
Contract See
attach pg. 1 for
payment details
including payment
responsibility, PO
summary for 5 sites
on attach last page.

Amount: \$226,159.85

Component Description: Other Expenses

Mechanical

Contract Payment details begin on attachment pg 17. PO for multiple

sites.

Amount: \$2,742.65

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: (\$760.00)

Mechanical
Contract See
attach pg. 1 for
payment details
including payment
responsibility, PO
summary for 5 sites
on attach last page.

Amount: \$541.50

Component Description: Mechanical

Contract See attach pg 1 for invoice details, pay responsibility, project recon.

Amount: \$12,036.00

General Construction

Component Description: Other Expenses

General Contract
Payment details

begin on

attachment pg 16. PO for multiple

sites.

Amount: \$6,896.88

Component Description: General Contract

See attach pg 1 for invoice details, pay

responsibility, project recon

Amount: \$8,093.48

General Contract See attach pg. 1 for payment details including payment responsibility. PO summary for 5 sites on attach last page.

Amount: \$28,035.95

Component Description: Other Expenses

General Contract Payment details

begin on

attachment pg 17. PO for multiple

sites.

Amount: \$17,575.00

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: \$7,493.60

Component Description: General Contract

FCC Portion of Invoice PO for multiple sites Refer to attach pg. 1 for outline of costs.

Amount: \$22,135.00

Component Description: General Contract

FCC Portion of Invoice PO for Multiple Sites Refer to attach pg. 1 for outline of costs.

Amount: \$39,216.00

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: \$28,148.94

Component Description: Other Expenses

General Contract See attach pg. 1 for payment details including payment responsibility, PO summary for 5 sites on attach last page.

Amount: \$4,275.00

Electrical Construction

Component Description: Other Expenses

Electrical Contract Payment details

begin on

attachment pg 16. PO for multiple

sites.

Amount: \$14,012.69

Electrical Contract See attach pg. 1 for payment details including payment responsibility, PO summary for 5 sites on attach last page.

Amount: \$73,479.11

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: \$19,869.25

Component Description: Electrical Contract

FCC Portion of Invoice PO for Multiple Sites Refer to attach pg. 1 for outline of costs

Amount: \$37,145.00

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: \$24,785.50

Component Description: Electrical Contract

See attach pg 1 for invoice details, pay responsibility, project recon.

Amount: \$8,910.09

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.

DTV Medical Facility Notification

Component Description: Medical

Notification, PO /Quote for multiple Call/Locations.

Amount: \$3,750.00

Disposal Costs (for equipment and other waste, net of any salvage value)

Component Description: Final invoice Main

Disposal See attach pg 1 for payment details

Amount: \$13,782.60

Component Description: 50% Remove Exist

Main Transmitter.
Purchase Order for

all 11 sites.

Amount: \$13,782.60

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,144,822.18	\$2,322,282.01	\$1,706,857.67

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.

- 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

11/10/2020

& 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

11/10/2020

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

11/10/2020

Attachments