

Federal Communications Commission

### (REFERENCE COPY - Not for submission)

## FCC Form 399: Reimbursement Request

Facility <b>6936(</b> ID:	Service: DTV	Call Sign:	WUNL-TV	Channel: 33 (UHF)
File <b>000</b> Number:	0028060	-		
FRN: 00019100	56 Date Submitted:	11/10 /2020		

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

#### Applicant Information

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

#### Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

### Preparer Contact Name and Information

Contact Information	Applicant	Address	Phone	Email
	Donald Smith	Donald Smith	+1 (919)	dsmith@unctv.
	Director of New Technologies	10 UNC-TV Drive	549-7025	org
	Compliance & Planning	Research Triangle		
	University of North Carolina	Park, NC 27709		
	Center for Public Television	United States		

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

Auxiliary	Add Transmitter Information			
ransmitter	Section	Question	Response	
	Existing Transmitter Description	Type of change	Purchase New	
		Use	Auxiliary (Backup)	
		Description of Use	Aux	
		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	

Add Transmitter Information

Auxiliary	New Transmitter Costs			
Transmitter	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	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 re- channelization services for the transmitter. See attached letter	

Auxiliary	Other Transmitter Costs
Transmitter	Section

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	Existing Transmitter Information			
Transmitter	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	1994	
		Туре	Inductive Output Tube	
		IOT Power Type	Тwo	
		Power Capacity	40 kW	

### **Existing Transmitter Information**

Primary	New Transmitter Costs			
Transmitter	Section	Question	Response	
	New Transmitter	Use	Primary (Main)	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	Yes	
		Manufacturer		
		Model	ULXTE-80	
		Transmitter Type	Solid State	
		Solid State Cooling	Liquid Cooled	
		Solid State Power capacity	50.0 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 re- channelization services for the transmitter. See attached letter	

Primary	Other Transmitter Costs			
Transmitter	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 Rela	ated Expenses	Do you have antenna related expenses?	Yes

Auxiliary Antenna	Add Antenna Information			
	Section	Question	Response	
	Existing Antenna Description	Type of change	Purchase New	
		Antenna Use	Auxiliary (Backup)	
		Description of Use	Aux	
		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)	202.0 kW	
			-	

### Add Antenna Information

Manufacturer	
Model	TLP-16M
Year	2001

Auxiliary	New Antenna Costs			
Antenna	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?	Yes	
		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 Manufacturer and Types	Class	Full Power	
		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)	500.0 kW	

Manufacturer
Model
Year
Justification for New Antenna

## Auxiliary Other Antenna Costs

Antenna	Section	Question	Response
	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 Auxiliary Antenna

Information not provided.

Primary Antenna	Existing Antenna Information			
	Section	Question	Response	
	Existing Antenna Description	Type of change	Purchase New	
		Antenna Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
		Is the existing antenna shared with another station or stations?	No	
		Is the existing antenna directional?	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)	575.0 kW	

Manufacturer	
Model	ATW16HS4- ETC170- 32S
Year	2009

Primary	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	Yes	
		Ownership	Owned	
		Owner	N/A	
		Is antenna shared?	No	
		Is antenna directional?	Yes	
		Will antenna be located on or in close proximity to an antenna farm?	No	
	New Antenna Manufacturer and Types	Class	Full Power	
		Mounting	Top Mount	
		Antenna position in stack	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		
			1	

Model	SAA28- ATW_WC- E400-ET6F 33
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 32 The only viable option is to replace the antenna.

## Primary Other Antenna Costs

Antenna	Section	Question	Response
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
		Туре	
Elbow Complex		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

# Primary Other Antenna Cost Not Listed

Antenna Informatio

Information not provided.

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Auxiliary	Add Transmission Line		
Transmissio	n Section	Question	Response
	Existing Transmission Line Description	Type of change	Purchase New
		Use	Auxiliary (Backup)
		Description of Use	Interim and Eventual Auxiliary
		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	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	340 feet per run

Auxiliary	New Transmission Line		
Transmissio	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	380 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 33. The only option is to replace the transmission line.

Auxiliary Other Transmission Line Expenses Not Listed

Auxiliary Other Transmission Transmission

Primary	Existing Transmission Line			
Transmissio	on Line Section	Question	Response	
	Existing Transmission Line Description	Type of change	Purchase New	
		Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
		Is the existing transmission line shared with another station or stations?	No	
		Is Transmission Line in operating condition?	Yes	
	Existing Transmission	Manufacturer		
	Line Manufacturer and Type	Туре	Waveguide	
		Diameter	N/A	
		Other Diameter	N/A	
		Segment Length	N/A	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	355 feet per run	

**Existing Transmission Line** 

Primary	New Transmission Line			
Transmissio	n Section	Question	Response	
	New Transmission Line Costs	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	No	
		Туре	Rigid	
		Diameter	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	400 feet per run	
		Justification for New Transmission Line	The waveguide manufacturer has indicated that the best option to move to channel 33 is to acquire new transmission line. The existing line hasn't been made since 2004, and replacement (instead of re- tuning) is recommended. See narrative for details.	

Primary Other Transmission Line Expenses Not Listed

Primary Other Transmission Transmission

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

# Primary Existing Tower

Primary Tower	Continu	Overstien	Deerser
	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?	Terrain Constrained
		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?	No
		Is tower compliant with Rev G?	Unknown
	Existing Tower Structure	Do you have a tower registration number?	Yes
	Registration	ASR Number	1014577
Nor	Coordinates (NAD83 ( North American Datum	Latitude (NAD83)	36° 22' 31.7" N-
	of 1983))	Longitude (NAD83)	080° 22' 17.5" W-
		Overall Structure Height	351.05 feet
		Support Structure Height	301.83 feet
	-		

Ground Elevation Above Mean Sea Level (AMSL)	2358.90 feet
Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	UNIVERSITY OF NORTH CAROLINA
Date Constructed	08/12/2009

### **Tower Rigging Costs** Primary Tower

Section	Question	Response
Tower Rigging Costs	Complex Tower	Terrain constrained
Helicopter Services Required	Are helicopter services required?	No

### Other Tower Expenses Not Listed

Primary Tower 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

Outside				
Professional	Services 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		

#### Outside Other Professional Services Expenses Not Listed

Other	Section	Question	Response
Expenses	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?	No
		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 Not Listed

Other Expenses

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

### Transmitters

### Cost Information

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-80	\$1,498,550.00	\$876,512.41		\$870,664.81	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$873,600.00	The estimated cost is for the approved GatesAir ULXTE-60 transmitter. The transmitter purchase has been upgraded to a ULXTE-80. It is understood that the station is responsible for the upgrade portion of the purchase price. See Gates Invoice US0339419	\$867,752.40	Test

Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$2,912.41	***System Notice: Estimate adjusted and locked because line has been superseded. ***Remaining expenses moved to Other Expenses	\$2,912.41	N/A
Auxiliary Transmitter ULXTE-20	\$520,050.00	\$283,383.37		\$275,912.54	
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$281,424.77	See attached Transmitter Pricing Narrative	\$273,953.94	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. ***Remaining expenses moved to Other Expenses	\$1,958.60	N/A
Sub-total	\$2,018,600.00	\$1,159,895.78	N/A	\$1,146,577.35	N/A
Total for all systems	\$3,823,210.90	\$2,756,774.89	N/A	\$2,408,578.31	N/A

### Components

Actual Information Description	File Name
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	

Component Description:	Final Main Transmitter & Install See attach pg 1 for payment details, note pay obligation FCC vs. TV. See attach pg 3 for quote 87481. FCC portion 100,702.90, TV portion 26,454.50 19878.75 separate 399 category \$100,702.90
Component Description:	FCC Portion Main Transmitter, Due Date revised to vendor terms net 60. See attachment pg. 1 for payment details. Please note column Pay Obligation. FCC Portion \$346,646.16, WUNL Portion \$148,319.56 \$346,646.16
Component Description:	50% Main Transmitter & Installation, Installation included w /Transmitter on Form 399, Transformer separate line on Form 399. Purchase Order is for all 11 sites. \$420,403.34

	Component Description:	FCC Portion Main Transmitter, Due Date revised to vendor terms net 60. See attachment pg. 1 for payment details. Please note column Pay Obligation. FCC Portion \$346,646.16, WUNL Portion \$148,319.56 \$346,646.16
Transformer 3 phase/480v - 150 KVA	Component Description:	50% Transformer on line 18 (Quote 75579), line 16 (Quote 75582). Purchase Order is for all 11 sites. \$2,912.41

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	Component Description: Amount:	Aux Transmitter See attach pg 1 for payment details. \$94,631.15
	Component Description:	50% Aux
		Transmitter & Installation, Installation included w /Transmitter on Form 399. Transformer separate line item on Form 399. Purchase Order for all 11 sites.
	Amount:	\$138,753.79
	Component Description:	Aux Transmitter See attachment pg 1 for payment details.
	Amount:	\$94,631.15
	Component Description:	Final Aux Trans & Install See attach pg 1 for payment details, see attach pg 3 for quote 87488
	Amount:	\$40,569.00

Transformer 3 phase/480v - 150 KVA	Component Description:	50% Transformer on line 17 of quote, separate line item on Form
	Amount:	399. Purchase order is for all 11 sites. \$1,958.60

### Antennas

### Cost Information

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 Justification
Primary Antenna SAA28- ATW_WC- E400-ET6R- 33	\$308,530.00	\$184,100.50		\$83,000.24	
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	\$166,000.50	See attached RFS Antenna Change Narrative with Pricing Information	\$83,000.24	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Auxiliary Antenna SAA12- ATW_WC- G400-ES5R- 33	\$163,958.00	\$161,918.00		\$116,517.10	

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, 500 kW input, directional,, elliptically or circularly polarized	\$116,518.00	\$116,518.00	See RFS Antenna Change Narrative with Pricing Information See invoice 27011632 for additional cost for fine Matchers \$5,164.60	\$116,517.10	Will increase Budget to accomodate Fine Matchers \$5,164.60
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	\$12,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A

Sub-total	\$472,488.00	\$346,018.50	N/A	\$199,517.34	N/A
Total for all systems	\$3,823,210.90	\$2,756,774.89	N/A	\$2,408,578.31	N/A

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 station antenna , elliptically or circularly polarized	Component Description:	50% Primary Antenna (See Bid Page 57 Attachment A Pricing Form, Item # 52/53) included in Inv & PO Line 16. Invoice & Purchase Order are for 10 sites. 50% Portion paid by WUNL is displayed on Inv & PO Line 17. See revised attachment. \$83,000.24
Sweep test of existing antenna	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, 500 kW input, directional,, elliptically or circularly polarized	Component Description: Amount:	50% Aux Antenna Initial Payment on Invoice 27011328 Transmission Line found on separate Form 399 category \$55,676.25
	Component Description:	50% Auxilliary Antenna (See Bid Page 57 Attachment A Pricing Form Item 49) included in Inv & PO Line 16. Invoice & Purchase Order are for 10 sites. See revised attachment.
	Amount:	\$55,676.25
	Component Description: Amount:	Aux Antenna Fine Matchers See Attach pg 3 for Quote Item 000040 \$5,164.60
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	Information not provided.	

## **Transmission Line**

### Cost Information

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	\$80,800.00	\$62,143.21		\$34,071.61	
Rigid Transmission Line - copper, 6 1/8"	\$80,800.00	\$62,143.21	See RFS Antenna Change Narrative with Pricing Information	\$34,071.61	N/A
Auxiliary Transmission Line	\$76,760.00	\$58,227.81		\$58,227.81	
Rigid Transmission Line - copper, 6 1/8"	\$76,760.00	\$58,227.81	See RFS Antenna Change Narrative with Pricing Information	\$58,227.81	N/A
Sub-total	\$157,560.00	\$120,371.02	N/A	\$92,299.42	N/A
Total for all systems	\$3,823,210.90	\$2,756,774.89	N/A	\$2,408,578.31	N/A

Actual Information	
Description	File Name

<b>Component Description:</b>	
component Description.	Primary
	Transmission Line
	Engineering Fields
	Services
Amount:	\$3,000.00
Component Description	50% Primary
Component Description.	Transmission Line
	See Bid Page 57
	Attachment A
	Pricing Form Item
	54) included in Inv
	& PO Line 16.
	Invoice &
	Purchase Order
	are for 10 sites.
	See revised
	attachment.
Amount:	\$31,071.61
	Component Description:

Rigid Transmission Line -		
copper, 6 1/8"	<b>Component Description:</b>	50% Aux
		Transmission Line
		Initial 50% paid on
		invoice 27011328
		See separate
		Form 399
		category-aux
		antenna for
		remainder of
		invoice
	Amount:	\$29,113.90
	Component Description:	50% Auxilliary Transmission Line (See Bid Page 57 Attachment A Pricing Form Item 50) included in Inv & PO Line 16. Invoice & Purchase Order are for 10 sites. See revised attachment. \$29,113.91

# **Tower Equipment and Rigging Costs**

#### Cost Information

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	\$421,000.00	\$272,812.06		\$175,847.23	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$272,812.06	See RFS Antenna Change Narrative with Pricing Information	\$175,847.23	N/A
Sub-total	\$421,000.00	\$272,812.06	N/A	\$175,847.23	N/A
Total for all systems	\$3,823,210.90	\$2,756,774.89	N/A	\$2,408,578.31	N/A

Component Description:	50% Primary /Complex Tower Installation, invoice line #10. Initial 50% paid on invoice 27011328. Invoice line #20 for Remaining \$4,560.00 on invoice for Aux Dish Removal is obligation of WUNL & is not eligible for FCC Reimbursement \$39,441.20
Component Description:	50% Primary /Complex Tower Installation, invoice line #10. Initial 50% paid on invoice 27011328. Invoice line #20 for Remaining \$4,560.00 on invoice for Aux Dish Removal is obligation of WUNL & is not eligible for FCC Reimbursement \$39,441.20

### **Outside Professional Services**

### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificatio
Outside Professional Services	\$93,275.00	\$202,939.63		\$149,255.33	
Project management of the transition	\$18,960.00	\$136,189.63	See attachment "WUNL Program Designer - Manager Narrative" for details on estimated cost Amendment #3 attached to Invoice 157570 Amendment #4 attached to Invoice 160595	\$136,189.63	N/A
Tower Structural Analysis	\$7,000.00	\$7,000.00	N/A	\$5,000.00	N/A
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.	\$3,772.04	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	\$653.40	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	\$1,050.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,812.50	N/A

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$2,000.00	N/A	\$675.00	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
Sub-total	\$93,275.00	\$202,939.63	N/A	\$149,255.33	N/A
Total for all systems	\$3,823,210.90	\$2,756,774.89	N/A	\$2,408,578.31	N/A

Project management of the transition   Component Description:    Amount:	Outside Professional Services Project Management See attachment pg. 3 & 4 for Project Summary \$6,703.50

Component Description:	Outside Professional Svcs Proj Mgmt of Transition PO for eleven multiple sites See attach pg 2-7 for Contract /Invoice summary \$1,089.00
Component Description: Amount:	Outside Prof Services Project Management Contact/Invoice summary for 11 sites see attach pgs 5-15 \$2,800.00
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. \$11,842.56
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. \$4,406.04

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. \$2,285.63
Component Description: Amount:	Outside Proj Svcs Proj Mgmt of Transition PO for eleven multiple sites See attach pg 3-6 for Contract /Invoice summary \$1,726.10
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. \$2,683.60

Component Description:	Outside Professional Services Project Management of Transition See attachment pg 3-5 for Contract/Invoice Summary. PO /Contract for all eleven transmitter sites. \$5,921.28
Component Description:	Outside Professional Svcs Proj Mgmt of Transition PO for eleven multiple sites See attach pg 2-7 for Contract /Invoice summary \$1,089.00
Component Description: Amount:	Outside Prof Svcs Project Mgmt Attach pg 1-2 Invoice Attach pg 3- 19 Contracts Attach pg 10-30 Project Summary \$3,830.00
Component Description: Amount:	Outside Professional Services Project Management of Transition See attachment pg 3-5 for Contract/Invoice Summary. \$5,921.28

Component Description:	Outside Professional Services Project Management See attachment pg. 3 & 4 for Project Summary \$9,022.50
Component Description: Amount:	Outside Professional Services Project Management \$9,022.50
Component Description: Amount:	Outside Professional Services Project Management of Transition See attachment pg 3-5 for Contract/Invoice Summary. \$4,985.74
Component Description: Amount:	Outside Professional Services Project Management of Transition See attachment pg 3-5 for Contract/Invoice Summary. \$58,147.80

	Component Description:	Outside Professional Services Project Management of Transition See attachment pg 3-5 for Contract/Invoice Summary. \$13,735.60
Tower Structural Analysis	Component Description:	Outside Professional Services Structural Analysis See attachment pg. 7 for schedule of services.
	Amount: Component Description: Amount:	\$2,500.00 Outside Professional Services Tower Structural Analysis See attachment page 7 for schedule of services. \$2,500.00
Additional Legal Expenses	Component Description:	Outside Professional Services Additional Legal Expenses
	Amount:	\$67.40

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 69.55 as outlined on page 1 of invoice. \$69.55
Component Description:	Outside 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
Component Description: Amount:	Outside Professional Services Additional Legal Expenses \$70.00

Outside 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
Outside Prof. Svcs Additional Legal Expenses \$73.00
Outside Professional Services Additional Legal Expense
\$36.50
Outside Prof. Svcs Additional Legal Expenses
\$109.50
Outside Professional Services Additional Legal Expenses
\$35.00

Component Description:	Outside 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 invoice. \$29.36
Component Description: Amount:	Outside Professional Services Additional Legal Expenses \$182.50
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. \$36.55

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 \$6.37
Component Description:	Outside 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. \$15.91
Component Description: Amount:	Outside Professional Services Additional Legal Expenses \$476.40

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 \$337.89
Component Description: Amount:	Outside Professional Services Additional Legal Expenses \$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

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 \$22.27
Component Description: Amount:	Outside Professional Services Additional Legal Expenses \$35.00
Component Description: Amount:	Outside Professional Services Additional Legal Expenses \$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 15.32 as outlined on page 1 of invoice. \$15.32

Component Description: Amount:	Outside Professional Services Additional Legal Expenses \$35.00
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: Amount:	Outside Professional Services Additional Legal Expenses \$67.40
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 33.46 as outlined on page 1 of invoice.
Amount:	\$33.46

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 \$147.01
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 \$187.27
Component Description:	Outside 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. \$28.64

Component Description: Amount:	Outside Professional Services Additional Legal Expenses \$105.00
Component Description:	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
Component Description:	Outside Professional Services Additional Legal Expenses 6 /06/ thru 6/25 1.30 times 365.00 \$474.50
Component Description: Amount:	Outside Professional Services Additional Legal Expenses \$73.00

	Component Description:	Outside Professional 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. \$6.13
	Component Description: Amount:	Outside Professional Services Additional Legal Expenses \$70.00
	Component Description: Amount:	Outside Professional Services Additional Legal Expenses \$574.30
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.	

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	Component Description: Amount:	Outside Professional Services Attorney Fees Construction Permit Application Main/Primary \$653.40
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: Amount:	Outside Prof Svcs Consult Engineer CP for Aux \$1,050.00

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 \$1,812.50
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	Outside Professional Services Engineering Study New Channel Assignment Assignment Antenna Development \$675.00
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 & Employe Portion Social Security for Temp Employee. Tasks applicable to all 11 repack sites, amount requested reflects portion payable per site. \$102.76

## **Other Expenses**

## Cost Information

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	\$660,287.90	\$654,737.90		\$645,081.64	
Network Switch	\$1,048.00	\$1,048.00	See attachment - WUNL Network Switch Justification	\$1,047.97	N/A
Mechanical Construction	\$266,587.17	\$266,587.17	See attached document WUNL GC Budget See Heartland 18865WUNL- 9	\$266,414.00	Budget Revision
General Construction	\$108,595.59	\$108,595.59	See attached document WUNL GC Budget	\$108,550.19	N/A
Electrical Construction	\$197,533.14	\$197,533.14	See attached document WUNL GC Budget See Heartland Invoice 18865WUNL- 9	\$197,533.14	Budget Revision
MVPD Notification of Channel Change	\$5,500.00	\$5,500.00	Preliminary estimate for service	\$463.64	N/A

Develop and air announcement of upcoming channel change	\$2,000.00	\$2,000.00	Preliminary estimate	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$67,474.00	\$67,474.00	See attached Main & Aux Transmitter Disposal Quotes See Gates Invoices US0339419 & US0339420	\$67,322.70	Budget Revision
DTV Medical Facility Notification	\$11,550.00	\$6,000.00	Preliminary estimate for services	\$3,750.00	N/A
Sub-total	\$660,287.90	\$654,737.90	N/A	\$645,081.64	N/A
Total for all systems	\$3,823,210.90	\$2,756,774.89	N/A	\$2,408,578.31	N/A

Actual Information Description	File Name	
Network Switch		
	Component Description: Amount:	Other Expenses Network Switch 11 Switches for total of 11,527.67 equals 1,047.97 per transmitter site \$1,047.97
Mechanical Construction		

Component Description:	Other Expenses Mechanical Contract See attach pg. 1 for payment details, PO summary for 5 sites on attach pg. 13. \$226,337.50
Component Description:	Other Expenses Mechanical Contract Attachment pg 1-6 Vendor supplied invoice Attachment pg 7 specifics of payment Attachment pg 8 begins PO Summary & associated documentation. PO for multiple sites.
Amount:	\$8,027.50
Component Description:	Mechanical Contract See attach pg 1 for invoice details, project recon.
Amount:	\$13,282.70
Component Description: Amount:	Mechanical/HVAC contract PO for multiple sites. \$9,120.00

	Component Description:	Other Expenses Mechanical Contract See attach pg. 1 for payment details, PO summary for 5 sites on attach last page. \$9,646.30
General Construction		
	Component Description:	General Contact See attach pg 1 for invoice details, project recon
	Amount:	\$5,465.51
	Component Description:	Other Expenses General Contract Attachment pg 1-6 Vendor supplied invoice Attachment pg 7 specifics of payment Attachment pg 8 begins PO Summary & associated documentation. PO for multiple sites.
	Amount:	for multiple sites. \$8,312.50

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. \$6,458.10
Component Description: Amount:	General Contract PO for multiple sites. \$1,425.00
Component Description:	Oth Exp. Note Gen & Mech filed together. Gen filed solo generates system error since greater than inv. total. Attach pg 1 is inv details, attach pg 2-10 is vendor inv., attach pg 11 begins PO sum & support doc. PO for multiple sites. \$9,481.63
Component Description:	Other Expenses General Contract See attach pg. 1 for payment details, PO summary for 5 sites on attach pg. 13. \$36,120.57

	Component Description:	Other Expenses General Contract See attach pg. 1 for payment details, PO summary for 5 sites on attach last page. \$1,710.00
	Component Description: Amount:	Other Expenses General Contract Payment details begin on attachment pg 11. PO for multiple sites. \$8,796.88
	Component Description: Amount:	General Contract PO for multiple sites \$30,780.00
Electrical Construction	Component Description: Amount:	Electrical Contract See Attach pg 1 for invoice details, project recon \$12,707.66
	Amount: Component Description:	ST2,707.66 Other Expenses Electrical Contract Attachment pg 1 specifics of payment Attachment pg 2-8 Vendor supplied invoice Attachment pg 9 begins PO Summary &
	Amount:	associated documentation. PO for multiple sites. \$13,504.25

Component Description: Amount:	Other Expenses Electrical Contract See attach pg. 1 for payment details, PO summary for 5 sites on attach pg. 13. \$91,138.19
Component Description: Amount:	Other Expenses General Contract Payment details begin on attachment pg 11. PO for multiple sites. \$14,292.94
Component Description: Amount:	Electrical Contract PO for multiple sites \$39,195.10
Component Description:	Other Expenses Electrical Contract Attachment pg 1-6 Vendor supplied invoice Attachment pg 7 specifics of payment Attachment pg 8 begins PO Summary & associated documentation. PO for multiple sites. \$26,695.00
	Amount:   Component Description:   Amount:   Component Description:   Amount:   Component Description:

MVPD Notification of Channel Change	Component Description:	MVPD Notify See attach pg. 12-13 \$5,100 for 11 sites
	Amount:	equal 463.64 each \$463.64
Develop and air announcement of upcoming channel change	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description:	50% Main Transmitter Disposal Costs. Purchase Order is
	Amount:	for all 11 sites. \$19,878.75
	Component Description:	Final Invoice Main Disposal See attach pg 1 for payment details.
	Amount:	\$19,878.75
	Component Description:	50% Aux Transmitter Disposal Costs. Purchase Order is for all 11 sites.
	Amount:	\$13,782.60
	Component Description:	Final invoice aux transmitter disposal. see attach pg 1 for payment details.
	Amount:	\$13,782.60

DTV Medical Facility Notification	Component Description:	Medical Notification, PO /Quote for multiple
	Amount:	call/locations. \$3,750.00

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$3,823,210.90	\$2,756,774.89	\$2,408,578.31

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
		<ol> <li>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.</li> <li>The above-named entity.</li> <li>The above-named entity acknowledges that all certifications and attached documentation are considered material</li> </ol>	
		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).
- The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
- 7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
I declare, under penalty of perjury, that I am an authorized representative of the above- named applicant for the Authorization(s) specified above.	Donald Smith Director of New Technologies Compliance & Planning 11/10/2020

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR 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).	
		<ol> <li>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.</li> </ol>	
		2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.	
		3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

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

8.	The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.	
9.	The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
I declare, under penalty of perjury, that I am an authorized representative of the above- named applicant for the Authorization(s) specified above.		Robert Levin Director of Finance and Administration 11/10/2020

## Attachments

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