



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **69360** | Service: **DTV** | Call **WUNL-TV** | Channel: **33 (UHF)**
ID: | Sign:
File **000028060**
Number:
FRN: **0001910066** | Date **11/29**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

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

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Donald Smith <i>Director of New Technologies Compliance & Planning University of North Carolina Center for Public Television</i>	Donald Smith 10 UNC-TV 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

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	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 and Type	Manufacturer	
	Model	DHD30P1
	Year	2001
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	7.25 kW

**Auxiliary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	ULXTE-20
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	12.9 kW
	Justification for New Transmitter	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
Transmitter**

Other Transmitter Costs

Section	Question	Response
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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
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Auxiliary Transmitter **Other Transmitter Cost Not Listed**
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 and Type	Manufacturer	
	Model	DCX-2
	Year	1994
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	40 kW

**Primary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-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
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
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary

Transmitter

Other Transmitter Cost Not Listed

Information not provided.

Antennas

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

**Auxiliary
Antenna**

Add Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	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
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	202.0 kW

Manufacturer	
Model	TLP-16M
Year	2001

**Auxiliary
Antenna**

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?	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
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	500.0 kW

Manufacturer	
Model	SAA12- ATW_WC- G400-ES5R- 33
Year	2019
Justification for New Antenna	The antenna can only operate on channel 32. 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.

Auxiliary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A

Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

**Auxiliary
Antenna**

Other Antenna Cost Not Listed

Information not provided.

**Primary
Antenna**

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	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	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	575.0 kW

Manufacturer	
Model	ATW16HS4- ETC170- 32S
Year	2009

**Primary
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	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
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW
Manufacturer		

Model	SAA28- ATW_WC- E400-ET6R- 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 Antenna

Other Antenna Costs

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

	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	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
Antenna**

Other Antenna Cost Not Listed

Information not provided.

**Transmission
Line**

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

**Auxiliary
Transmission
Line**

Add Transmission Line

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 Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	340 feet per run

**Auxiliary
Transmission
Line**

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Auxiliary (Backup)
	Description of Use	Interim and Eventual Auxiliary
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	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**
Transmission information not provided.
Line

**Primary
Transmission
Line**

Existing Transmission Line

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

**Primary
Transmission
Line**

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	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**
Transmission information not provided.
Line

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?	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 Registration	Do you have a tower registration number?	Yes
	ASR Number	1014577
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	36° 22' 31.7" N-
	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

Primary Tower

Tower Rigging Costs

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

Primary Tower

Other Tower Expenses Not Listed

Information not provided.

Outside Professional Services Costs

Section	Question	Response
<p>Outside Project Management Services</p>	<p>Do you require outside project management services?</p>	<p>Yes</p>
	<p>Number of Hours</p>	<p>120</p>
	<p>Explanation</p>	<p>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.</p>
<p>Outside RF consulting Engineering Services</p>	<p>Perform engineering study for new channel assignment and antenna development</p>	<p>Yes</p>
	<p>Prepare engineering section of Form FCC Construction Permit Application</p>	<p>Yes</p>
	<p>For Auxiliary Facility</p>	<p>Yes</p>
	<p>For Main Facility</p>	<p>Yes</p>
	<p>Prepare engineering section of Form FCC License to Cover Application</p>	<p>Yes</p>
	<p>For Auxiliary Facility</p>	<p>Yes</p>
	<p>For Main Facility</p>	<p>Yes</p>
	<p>Prepare request for Special Temporary Authority</p>	<p>Yes</p>
	<p>Quantity</p>	<p>1</p>

	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	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
Services
Costs**

Other Professional Services Expenses Not Listed

Name	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?	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**

Other Expenses Not Listed

Name	Description
Antenna Aux Other	Ice Protect & Install
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.
Antenna Main Other	Plumb Tension, Fine Matchers, Elbows
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).

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	
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

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
Auxiliary Transmitter ULXTE-20	\$520,050.00	\$283,383.37		\$275,912.54	
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
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

Sub-total	\$2,018,600.00	\$1,159,895.78	N/A	\$1,146,577.35	N/A
Total for all systems	\$3,864,257.90	\$2,800,821.89	N/A	\$2,660,660.64	N/A

Components

Actual Information	
Description	File Name
Transformer 3 phase/480v - 150 KVA	<p>Component Description: 50% Transformer on line 18 (Quote 75579), line 16 (Quote 75582). Purchase Order is for all 11 sites.</p> <p>Amount: \$2,912.41</p>
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	<p>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</p> <p>Amount: \$100,702.90</p>

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

Amount: \$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.

Amount: \$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

Amount: \$346,646.16

Transformer 3 phase/480v -
150 KVA

Component Description:

50% Transformer
on line 17 of
quote, separate
line item on Form
399. Purchase
order is for all 11
sites.

Amount:

\$1,958.60

UHF - Liquid Cooled Solid
State Transmitter 8.2 - 13
kW

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 attach 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

Component Description: Aux Transmitter
See attachment
pg 1 for payment
details.

Amount: \$94,631.15

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 SAA28-ATW_WC-E400-ET6R-33	\$308,530.00	\$184,100.50		\$166,000.24	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	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	\$166,000.24	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 SAA12-ATW_WC-G400-ES5R-33	\$163,958.00	\$161,918.00		\$116,517.10	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A

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
Sub-total	\$472,488.00	\$346,018.50	N/A	\$282,517.34	N/A

Total for all systems	\$3,864,257.90	\$2,800,821.89	N/A	\$2,660,660.64	N/A
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Components

Actual Information	
Description	File Name
Sweep test of existing antenna	Information not provided.
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	<p>Component Description: Final 50% of FCC Portion See attach pg 1 for payment details, attach pg 2 for invoice</p> <p>Amount: \$83,000.00</p> <p>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.</p> <p>Amount: \$83,000.24</p>
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.

<p>Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>
<p>UHF - High Power, Side Mount, basic slot antenna, 500 kW input, directional,, elliptically or circularly polarized</p>	<p>Component Description: 50% Aux Antenna Initial Payment on Invoice 27011328 Transmission Line found on separate Form 399 category</p> <p>Amount: \$55,676.25</p> <p>Component Description: Aux Antenna Fine Matchers See Attach pg 3 for Quote Item 000040</p> <p>Amount: \$5,164.60</p> <p>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.</p> <p>Amount: \$55,676.25</p>
<p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>
<p>Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)</p>	<p>Information not provided.</p>

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$80,800.00	\$65,143.21		\$65,143.21	
Rigid Transmission Line - copper, 6 1/8"	\$80,800.00	\$65,143.21	See RFS Antenna Change Narrative with Pricing Information Invoice CB #3053	\$65,143.21	Budget Revision
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	\$123,371.02	N/A	\$123,371.02	N/A
Total for all systems	\$3,864,257.90	\$2,800,821.89	N/A	\$2,660,660.64	N/A

Components

Actual Information Description	File Name
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Rigid Transmission Line -
copper, 6 1/8"

Component Description: Final 50%
Amount: \$31,071.60

Component Description: 50% Primary
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: Primary
Transmission Line
Engineering Fields
Services
Amount: \$3,000.00

Rigid Transmission Line -
copper, 6 1/8"

Component Description:

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.

Amount:

\$29,113.91

Cost Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$421,000.00	\$272,812.06		\$272,812.06	
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	\$272,812.06	N/A
Sub-total	\$421,000.00	\$272,812.06	N/A	\$272,812.06	N/A
Total for all systems	\$3,864,257.90	\$2,800,821.89	N/A	\$2,660,660.64	N/A

Components

Actual Information Description	File Name
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<p>Component Description: Final 50% Install</p> <p>Amount: \$96,964.83</p>

Component Description: 50% Primary
/Complex Tower
Installation (See Bid
Page 57
Attachment A
Pricing Form Item
55) for Primary
Antenna included in
Inv & PO Line 18.
Invoice & Purchase
Order are for 10
sites. See revised
attachment.

Amount: \$96,964.83

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..

Amount: \$39,441.20

Component Description: 50% Primary
/Complex Tower
Installation (See Bid
Page 57
Attachment A
Pricing Form Item
51) for Auxilliary
Antenna included in
Inv & PO Line 18.
Invoice & Purchase
Order are for 10
sites. See revised
attachment.

Amount: \$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..

Amount: \$39,441.20

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$93,275.00	\$202,939.63		\$149,255.33	
Tower Structural Analysis	<i>\$7,000.00</i>	\$7,000.00	N/A	\$5,000.00	N/A
Additional Legal Expenses	<i>\$24,500.00</i>	\$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
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

Project management of the transition	\$18,960.00	\$136,189.63	See attachment "WJNL 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
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
Sub-total	\$93,275.00	\$202,939.63	N/A	\$149,255.33	N/A
Total for all systems	\$3,864,257.90	\$2,800,821.89	N/A	\$2,660,660.64	N/A

Components

Actual Information	
Description	File Name

Tower Structural Analysis

Component Description: Outside Professional Services Tower Structural Analysis See attachment page 7 for schedule of services.
Amount: \$2,500.00

Component Description: Outside Professional Services Structural Analysis See attachment pg. 7 for schedule of services.
Amount: \$2,500.00

Additional Legal Expenses

Component Description: Outside Professional Services Additional Legal Expenses
Amount: \$35.00

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,
368.00/11 equal
33.46 as outlined
on page 1 of
invoice.
Amount: \$33.46

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

Component Description: Outside
Professional
Services Additional
Legal Expenses
Amount: \$73.00

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

Component Description: Outside Prof. Svcs
Additional Legal
Expenses
Amount: \$109.50

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

Component Description: Outside
Professional
Services Additional
Legal Expense
Amount: \$36.50

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 all 11 Call
Signs/Facility IDs,
175.00/11 equal
15.91 as outlined
on page 1 of
invoice.
Amount: \$15.91

Component Description: Outside
Professional
Services Additional
Legal Expenses
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

Component Description: Outside
Professional
Services Additional
Legal Expenses

Amount: \$35.00

Component Description: Outside
Professional
Services Additional
Legal Expenses

Amount: \$182.50

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

Amount: \$87.23

Component Description: Outside Prof. Svcs
Additional Legal
Expenses
Amount: \$73.00

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

Component Description: Outside
Professional
Services Additional
Legal Expenses
Invoice applies to
all 11 repack
stations, amount
requested reflects
portion payable per
Station: \$245.00/11
as indicated on
page 1 of Invoice
Amount: \$22.27

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

Component Description: Outside
Professional
Services Additional
Legal Expenses
Amount: \$105.00

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

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,
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,
402.00/11 equal
36.55 as outlined
on page 1 of
invoice.

Amount: \$36.55

Component Description: Outside
Professional
Services Additional
Legal Expenses
Legal services
benefit entire FCC
Repack project
across all 11 Call
Signs/Facility IDs,
168.50/11 equal
15.32 as outlined
on page 1 of
invoice.

Amount: \$15.32

Component Description: Outside
Professional
Services Additional
Legal Expenses
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.

Amount: \$29.36

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.
Amount: \$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.
Amount: \$315.63

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

Component Description: Outside
Professional
Services Additional
Legal Expenses
Legal services
benefit entire FCC
Repack project
across all 11 Call
Signs/Facility IDs,
350.00/11 equal
31.82 as outlined
on page 1 of
invoice.

Amount: \$31.82

Component Description: 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.

Amount: \$235.85

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,
315.00/11 equal
28.64 as outlined
on page 1 of
invoice.
Amount: \$28.64

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.
Amount: \$52.08

Component Description: Outside
Professional
Services Additional
Legal Expenses
Amount: \$67.40

	<p>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</p> <p>Amount: \$147.01</p>
<p>FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase</p>	<p>Information not provided.</p>
<p>ASR modification (prepare FCC Form 854)</p>	<p>Information not provided.</p>
<p>Attorney Fees - Prepare and File request for Special Temporary Authorization</p>	<p>Information not provided.</p>
<p>Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application</p>	<p>Information not provided.</p>
<p>Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application</p>	<p>Component Description: Outside Professional Services Attorney Fees CP Aux Antenna 6/28 .30 times 365.00</p> <p>Amount: \$109.50</p>

<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<p>Component Description: Outside Professional Services Attorney Fees Construction Permit Application Main/Primary</p> <p>Amount: \$653.40</p>
<p>Prepare request for Special Temporary Authorization</p>	<p>Information not provided.</p>
<p>RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application</p>	<p>Information not provided.</p>
<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<p>Information not provided.</p>
<p>RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application</p>	<p>Component Description: Outside Prof Svcs Consult Engineer CP for Aux</p> <p>Amount: \$1,050.00</p>
<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<p>Information not provided.</p>

<p>Prepare and or review reimbursement form</p>	<p>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.</p> <p>Amount: \$102.76</p>
<p>Project management of the transition</p>	<p>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.</p> <p>Amount: \$11,842.56</p> <p>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.</p> <p>Amount: \$2,683.60</p>

Component Description: Outside
Professional
Services Project
Management
Amount: \$9,022.50

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

Component Description: Outside
Professional
Services Project
Management See
attachment pg. 3 &
4 for Project
Summary
Amount: \$9,022.50

Component Description: Outside Prof Svcs
Project Mgmt
Attach pg 1-2
Invoice Attach pg 3-
19 Contracts Attach
pg 10-30 Project
Summary
Amount: \$3,830.00

Component Description:

Outside Prof Svcs
Proj Mgmt of
Transition See
attach pg. 2-5 for
Contract/Invoice
Summary.
Amendment #3 on
pg. 6. 12,800
divided by 11 equal
1,164.64 for 7 sites,
1,164.63 for 4 sites.
PO/Contract for all
eleven transmitter
sites.

Amount:

\$2,285.63

Component Description:

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

Amount:

\$1,089.00

Component Description:

Outside
Professional
Services Project
Management of
Transition See
attachment pg 3-5
for Contract/Invoice
Summary. PO
/Contract for all
eleven transmitter
sites.

Amount:

\$5,921.28

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

Component Description: Outside Prof Services Project Management Contact/Invoice summary for 11 sites see attach pgs 5-15
Amount: \$2,800.00

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

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

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

Amount: \$1,089.00

Component Description: Outside
Professional
Services Project
Management of
Transition See
attachment pg 3-5
for Contract/Invoice
Summary.

Amount: \$5,921.28

Component Description: Outside
Professional
Services Project
Management of
Transition See
attachment pg 3-5
for Contract/Invoice
Summary.

Amount: \$13,735.60

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: \$4,406.04

<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<p>Component Description:</p>	<p>Outside Professional Services Engineering Section FCC Form 2100 Construction Permit Application Main/Primary</p>
	<p>Amount:</p>	<p>\$1,812.50</p>
<p>Perform engineering study for new channel assignment and antenna development</p>	<p>Component Description:</p>	<p>Outside Professional Services Engineering Study New Channel Assignment Antenna Development</p>
	<p>Amount:</p>	<p>\$675.00</p>

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	\$701,334.90	\$695,784.90		\$686,127.54	
Network Switch	<i>\$1,048.00</i>	\$1,048.00	See attachment - WUNL Network Switch Justification	\$1,047.97	N/A
Antenna Main Other	<i>\$31,767.00</i>	\$31,767.00	See RFS Invoice 27011720 with attached quotes 20082832 Items 000040 Fine Matchers & 000050 Elbows, quote 20079575 item 000070 Plumb Tension	\$31,766.34	N/A
Antenna Aux Other	<i>\$9,280.00</i>	\$9,280.00	Ice Protection RFS Invoice 2701721 w /quote 20082790	\$9,279.56	N/A

Mechanical Construction	<i>\$266,587.17</i>	\$266,587.17	See attached document WUNL GC Budget See Heartland 18865WUNL-9	\$266,414.00	Budget Revision
General Construction	<i>\$108,595.59</i>	\$108,595.59	See attached document WUNL GC Budget	\$108,550.19	N/A
Electrical Construction	<i>\$197,533.14</i>	\$197,533.14	See attached document WUNL GC Budget See Heartland Invoice 18865WUNL-9	\$197,533.14	Budget Revision
MVPD Notification of Channel Change	<i>\$5,500.00</i>	\$5,500.00	Preliminary estimate for service	\$463.64	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$67,474.00</i>	\$67,474.00	See attached Main & Aux Transmitter Disposal Quotes See Gates Invoices US0339419 & US0339420	\$67,322.70	Budget Revision
Develop and air announcement of upcoming channel change	<i>\$2,000.00</i>	\$2,000.00	Preliminary estimate	N/A	N/A

DTV Medical Facility Notification	\$11,550.00	\$6,000.00	Preliminary estimate for services	\$3,750.00	N/A
Sub-total	\$701,334.90	\$695,784.90	N/A	\$686,127.54	N/A
Total for all systems	\$3,864,257.90	\$2,800,821.89	N/A	\$2,660,660.64	N/A

Components

Actual Information	
Description	File Name
Network Switch	<p>Component Description: Other Expenses Network Switch 11 Switches for total of 11,527.67 equals 1,047.97 per transmitter site</p> <p>Amount: \$1,047.97</p>
Antenna Main Other	<p>Component Description: See attach pg 1 for payment details attach pg 2 for invoice attach pg 2-5 for quote 200828232 items 000040 Fine Matchers & 000050 Elbows, attach pg 6-9 for quote 20079575 item 000070 for plumb tension</p> <p>Amount: \$31,766.34</p>

Antenna Aux Other	<p>Component Description: Aux Antenna Ice See attach pg 1 invoice with attach pg 2-4 for quote 20082790 for items 000010 & 000020 Install ice protect</p> <p>Amount: \$9,279.56</p>
Mechanical Construction	<p>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.</p> <p>Amount: \$8,027.50</p> <p>Component Description: Mechanical Contract See attach pg 1 for invoice details, project recon.</p> <p>Amount: \$13,282.70</p> <p>Component Description: Other Expenses Mechanical Contract See attach pg. 1 for payment details, PO summary for 5 sites on attach pg. 13.</p> <p>Amount: \$226,337.50</p>

Component Description: Other Expenses
Mechanical
Contract See
attach pg. 1 for
payment details,
PO summary for 5
sites on attach last
page.
Amount: \$9,646.30

Component Description: Mechanical/HVAC
contract PO for
multiple sites.
Amount: \$9,120.00

General Construction

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: \$8,312.50

Component Description: General Contract
PO for multiple sites
Amount: \$30,780.00

Component Description: General Contract
PO for multiple
sites.
Amount: \$1,425.00

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: \$6,458.10

Component Description: Other Expenses
General Contract
See attach pg. 1 for
payment details,
PO summary for 5
sites on attach last
page.

Amount: \$1,710.00

Component Description: General Contact
See attach pg 1 for
invoice details,
project recon

Amount: \$5,465.51

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.

Amount: \$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.
Amount: \$36,120.57

Component Description: Other Expenses
General Contract
Payment details
begin on
attachment pg 11.
PO for multiple
sites.
Amount: \$8,796.88

Electrical Construction

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.
Amount: \$26,695.00

Component Description: Electrical Contract
See Attach pg 1 for
invoice details,
project recon
Amount: \$12,707.66

Component Description: Other Expenses
Electrical Contract
See attach pg. 1 for
payment details,
PO summary for 5
sites on attach pg.
13.
Amount: \$91,138.19

Component Description: Other Expenses
General Contract
Payment details
begin on
attachment pg 11.
PO for multiple
sites.
Amount: \$14,292.94

Component Description: Electrical Contract
PO for multiple sites
Amount: \$39,195.10

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: \$13,504.25

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

DTV Medical Facility
Notification

Component Description:

Medical
Notification, PO
/Quote for multiple
call/locations.

Amount:

\$3,750.00

Cost Information **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,864,257.90	\$2,800,821.89	\$2,660,660.64

Reimbursement Status

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

Certification	Section	Question	Response
	<p>Submission of Estimated Expenses Statements</p>	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p> <ol style="list-style-type: none"> <li data-bbox="746 779 1034 1167">1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. <li data-bbox="746 1196 1018 1435">2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. <li data-bbox="746 1464 1027 1742">3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. 	

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

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

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

Donald Smith
Director of New Technologies Compliance & Planning

11/29/2020

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p>	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 	

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

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*

11/29/2020

Attachments