



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **69397** | Service: **DTV** | Call **WUNP-TV** | Channel: **27 (UHF)** |
ID: | Sign:
File **0000026701**
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	+1 (919)	fcc_notice@unctv. org	Government Entity
Doing Business As:	Triangle Park,	549-		
University of North Carolina	NC 27709 United States	7000		

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	Donald Smith	+1 (919)	dsmith@unctv.
<i>Director of New Technologies</i>	10 T.W. Alexander	549-7000	org
<i>Compliance & Planning</i>	Drive		
<i>University of North Carolina</i>	Research Triangle		
<i>Center for Public Television</i>	Park, NC 27709 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
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	DHD45P2
	Year	2001
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	10.5 kW

**Auxiliary
Transmitter****New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	ULXTE-20
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	12.9 kW
	Justification for New Transmitter	Transmitter power capacity has been adjusted to the pre-filter output power at the request of the TV Broadcast Fund Administrator

**Auxiliary
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

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	2001
	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-60
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	38 kW
	Justification for New Transmitter	At the request of the FCC fund administrator the power capacity of the transmitter has been modified from post filter output level to pre-filter output level.

**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?	No
	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)	205.7 kW

Manufacturer	
Model	ATW24HS3- HSO-36S
Year	2008

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?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna 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)	312.0 kW

Manufacturer	
Model	SAA22-O3-G200-ES4R-27
Year	2019
Justification for New Antenna	The antenna can only operate on channel 36. 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?	
	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	4 1/16 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Auxiliary Antenna

Other Antenna Cost Not Listed

Information not provided.

**Primary
Antenna**

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	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)	125.0 kW

Manufacturer	
Model	TFU-15JTH /VP-R O4
Year	2010

Primary
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	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)	248.0 kW
	Manufacturer	

Model	SAA14-O4A-G300-ET5R-27
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 36. 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	3 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	800 feet per run

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	4 1/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	800 feet per run

Justification for New Transmission Line	Constructing a viable interim facility with meaningful coverage area requires a system with increased power handling capability. This is best addressed by replacing the transmission line with higher power handling capability. See transition plan narrative
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Auxiliary Transmission Line **Other Transmission Line Expenses Not Listed**
Information not provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Move Equipment
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1014576
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	36° 17' 29.2" N-
	Longitude (NAD83)	077° 50' 09.4" W-
	Overall Structure Height	1143.03 feet
	Support Structure Height	1112.19 feet
	Ground Elevation Above Mean Sea Level (AMSL)	284.12 feet

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	UNIVERSITY OF NORTH CAROLINA
	Date Constructed	05/13/2011

Primary Tower

Tower Rigging Costs

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

Primary Tower

Other Tower Expenses Not Listed

Information not provided.

**Outside
Professional Services Costs**

Section	Question	Response
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 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
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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
Electrical Construction	Construction and modifications to the electrical infrastructure of the existing building as required to support the new transmitters
General Construction	General construction and administrative costs necessary for the installation of transmitters in the existing building.
Mechanical Construction	Construction and modifications to the HVAC infrastructure of the existing building as required to support the new transmitters
Network Switch	Cisco 52-port Gigabit Switch connects devices together on computer network by using packet switching to receive, process, and forward data to destination device
Antenna Main Other	Fine Matchers & Elbows

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-60	\$2,330,937.73	\$923,998.14		\$923,997.76	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$88,698.00	The amount entered is the outstanding balance for the transmitter based on previously submitted quotes.	\$88,697.62	Budget Revision
UHF - Liquid Cooled Solid State Transmitter 34 kW	\$832,387.73	\$832,387.73	***System Notice: Estimate adjusted and locked because line has been superseded. ***A quote from Comark for a replacement IOT transmitter is attached. That quote is substantially higher than the catalog pricing amount for the proposed solid state transmitter. The proposed transmitter should be eligible for full reimbursement.	\$832,387.73	N/A

Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$2,912.41	***System Notice: Estimate adjusted and locked because line has been superseded.***	\$2,912.41	N/A
Auxiliary Transmitter ULXTE-20	\$520,050.00	\$471,958.60		\$284,166.64	
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$470,000.00	N/A	\$282,208.04	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$1,958.60	***System Notice: Estimate adjusted and locked because line has been superseded.***	\$1,958.60	N/A
Sub-total	\$2,850,987.73	\$1,395,956.74	N/A	\$1,208,164.40	N/A
Total for all systems	\$4,307,539.73	\$2,722,522.64	N/A	\$2,410,421.08	N/A

Components

Actual Information	
Description	File Name
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	<p>Component Description:</p> <p>Final Invoice Main Transmitter Attach pg 1 payment details Attach pg 2 Invoice Attach pg 3-6 Quote</p> <p>Amount:</p> <p>\$88,697.62</p>

UHF - Liquid Cooled Solid State Transmitter 34 kW	<div> Component Description: Main Transmitter Invoice Due Date revised to Vendor Terms N 60 Purchase Order includes all 11 sites. </div> <div> Amount: \$380,102.58 </div>
	<div> Component Description: Final Main Transmitter & Install See attach pg 1 for payment details, See attach pg 3 for quote 87014 </div> <div> Amount: \$88,697.62 </div>
	<div> Component Description: 50% Transmitter & Installation, Installation included w /Transmitter on Form 399. Purchase Order includes all 11 sites. Transformer on line 16 of Quote is separate Form 399 Line Item. </div> <div> Amount: \$452,285.15 </div>
Transformer 3 phase/480v - 150 KVA	<div> Component Description: 50% Transformer included with Transmitter Cost on Invoice. See Quote line item 16. Purchase Order is for all 11 Sites. </div> <div> Amount: \$2,912.41 </div>

UHF - Liquid Cooled Solid
State Transmitter 8.2 - 13
kW

Component Description:

Aux. Transmitter.
Credit for
transformer
applied with
transmitter per
FCC Hotline
(Paige 7/8/2019)
due to system
error. Invoice due
date corrected to
vendor terms (net
60). See
attachment pgs. 2-
4 for summary.

Amount:

\$96,392.55

Component Description:

Final Invoice Aux
Transmitter &
Install See attach
pg 1 for payment
details, see attach
pg 3 for quote
87021

Amount:

\$47,061.70

Component Description:

50% Aux
Transmitter &
Installation
(Installation
included w
/Transmitter on
Form 399).
Transformer on
line 17 of quote
separate Form
399 Line Item.
Purchase Order
for all 11 sites.

Amount:

\$138,753.79

Transformer 3 phase/480v - 150 KVA	<table><tr><td data-bbox="705 94 1141 589">Component Description:</td><td data-bbox="1141 94 1431 589">50% of Transformer on Line 17 of quote is included with Transmitter Cost on Invoice. Purchase Order is for all 11 sites.</td></tr><tr><td data-bbox="705 481 1141 589">Amount:</td><td data-bbox="1141 481 1431 589">\$1,958.60</td></tr></table>	Component Description:	50% of Transformer on Line 17 of quote is included with Transmitter Cost on Invoice. Purchase Order is for all 11 sites.	Amount:	\$1,958.60
Component Description:	50% of Transformer on Line 17 of quote is included with Transmitter Cost on Invoice. Purchase Order is for all 11 sites.				
Amount:	\$1,958.60				

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 SAA14-O4A-G300-ET5R-27	\$308,530.00	\$162,417.00		\$150,116.02	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$12,300.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$7,680.00	See RFS Invoice 27011629	\$7,680.00	Budget Revision
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$142,437.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***See RFS Antenna Narrative and quotes	\$142,436.02	Budget Revision
Auxiliary Antenna SAA22-O3-G200-ES4R-27	\$271,710.00	\$190,236.00		\$144,576.00	

Pattern scatter analysis for side mount high /med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,260.00	N/A	N/A	N/A
UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized	\$227,000.00	\$144,576.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***See RFS Narrative with quotes	\$144,576.00	Budget will be adjusted
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$23,150.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	\$9,570.00	\$9,570.00	N/A	N/A	N/A

Sweep test of existing antenna	\$6,730.00	\$7,680.00	see invoice 27011629	\$0.00	N/A
Sub-total	\$580,240.00	\$352,653.00	N/A	\$294,692.02	N/A
Total for all systems	\$4,307,539.73	\$2,722,522.64	N/A	\$2,410,421.08	N/A

Components

Actual Information	
Description	File Name
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.
Sweep test of existing antenna	<p>Component Description: Aux Pre Sweep See attach pg 5 quote item 000080</p> <p>Amount: \$7,680.00</p>
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	<p>Component Description: See attach pg 1 for payment details, attach pg 2 for invoice.</p> <p>Amount: \$71,218.01</p> <p>Component Description: 50% Primary Antenna (See Bid Page 58 Attachment A Pricing Form Item 59) included in Inv & PO Line 19. Invoice & Purchase Order are for all 10 sites.</p> <p>Amount: \$71,218.01</p>

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized	<div> <div> Component Description: </div> <div> 50% Aux Antenna Initial 50% on invoice 27011328 Remainder of invoice on separate Form 399 category - Transmission Line </div> </div> <div> <div> Amount: </div> <div> \$72,288.00 </div> </div> <div> <div> Component Description: </div> <div> 50% Auxilliary Antenna (See Bid Page 57 Attachment A Pricing Form Item 56) included in Inv & PO Line 19. Invoice & Purchase Order are for all 10 sites. </div> </div> <div> <div> Amount: </div> <div> \$72,288.00 </div> </div>
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 4 1/16. feedline (if needed)	Information not provided.
Sweep test of existing antenna	<div> <div> Component Description: </div> <div> Aux Pre Sweep See attach pg 5 quote item 000080 </div> </div> <div> <div> Amount: </div> <div> \$7,680.00 </div> </div>

Cost
Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Auxiliary Transmission Line	\$113,600.00	\$76,078.71		\$76,078.71	
Rigid Transmission Line - copper, 4 1/16"	\$113,600.00	\$76,078.71	See RFS Narrative with attached pricing	\$76,078.71	N/A
Sub-total	\$113,600.00	\$76,078.71	N/A	\$76,078.71	N/A
Total for all systems	\$4,307,539.73	\$2,722,522.64	N/A	\$2,410,421.08	N/A

Components

Actual Information Description	File Name
--------------------------------	-----------

Rigid Transmission Line -
copper, 4 1/16"

Component Description:

50% Aux
Transmission Line
Initial 50% paid on
invoice 27011328
Balance of invoice
paid on separate
Form 399 category
- Aux Antenna

Amount:

\$38,039.35

Component Description:

50% Auxilliary
Transmission Line
(Bid Page 57
Attachment A
Pricing Form Item
57) included in Inv
& PO Line 19.
Invoice &
Purchase Order
are for 10 sites.

Amount:

\$38,039.36

Cost
Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$210,500.00	\$257,407.56		\$257,407.56	
Tall Tower (greater than 500')	\$210,500.00	\$257,407.56	See RFS Narrative with attached Pricing	\$257,407.56	N/A
Sub-total	\$210,500.00	\$257,407.56	N/A	\$257,407.56	N/A
Total for all systems	\$4,307,539.73	\$2,722,522.64	N/A	\$2,410,421.08	N/A

Components

Actual Information	
Description	File Name

Tall Tower (greater than 500')

Component Description: See attach pg 1
for payment
details, attach pg
2 for invoice.

Amount: \$64,351.89

Component Description: Auxiliary / interim
antenna
installation.
Purchase Order is
for 10 sites.

Amount: \$64,351.89

Component Description: See Bid Page 57
Attachment A
Pricing Form Item
60) for Primary
Antenna included
in Inv & PO Line
20. Invoice &
Purchase Order
are for 10 sites.

Amount: \$64,351.89

Component Description: 50% Primary/Tall
Tower Installation
(See Bid Page 58
Attachment A
Pricing Form Item
58) for Auxilliary
Antenna included
in Inv & PO Line
20. Invoice &
Purchase Order
are for 10 sites.

Amount: \$64,351.89

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	\$187,039.63		\$130,464.59	
Tower Structural Analysis	<i>\$7,000.00</i>	\$7,000.00	N/A	\$2,500.00	N/A
Additional Legal Expenses	<i>\$24,500.00</i>	\$24,500.00	Preliminary estimate for legal expenses for non-catalog advice and review including transition status reports and other miscellaneous legal needs.	\$4,622.21	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 FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	\$525.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,675.00	N/A

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$2,000.00	N/A	\$750.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$102.75	N/A
Project management of the transition	\$18,960.00	\$120,289.63	See attachment "WUNP Program Designer - Manager Narrative" for details on estimated cost Amendment #3 attached to Invoice 157570 Amendment #4 attached to Invoice 160595	\$120,289.63	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	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
Sub-total	\$93,275.00	\$187,039.63	N/A	\$130,464.59	N/A
Total for all systems	\$4,307,539.73	\$2,722,522.64	N/A	\$2,410,421.08	N/A

Components

Actual Information	
Description	File Name
Tower Structural Analysis	<p>Component Description: Outside Professional Services Tower Structural Analysis See attachment page 7 for schedule of services.</p> <p>Amount: \$2,500.00</p>
Additional Legal Expenses	<p>Component Description: Outside Professional Services Additional Legal Expenses</p> <p>Amount: \$105.00</p>

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 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

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

Component Description:	Outside Professional Services Additional Legal Expenses
Amount:	\$885.70

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

Component Description:	Outside Professional Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 2594.40/11 equal 235.86 as outlined on page 1 of invoice.
Amount:	\$235.86

Component Description:	Outside Professional Services Additional Legal Expenses
Amount:	\$474.50

Component Description:	Outside Prof. Svcs 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, 765.00/11 equal 69.54 as outlined on page 1 of invoice.
Amount:	\$69.54

Component Description:	Outside Professional Services Additional Legal Expenses
Amount:	\$539.20

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

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

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

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

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

Component Description:	Outside Professional Services 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
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, 2059.90/11 equal 187.26 as outlined on page 1 of invoice.
Amount:	\$187.26

Component Description:	Outside Professional Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 402.00/11 equal 36.54 as outlined on page 1 of invoice.
Amount:	\$36.54

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
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, 368.00/11 equal 33.45 as outlined on page 1 of invoice.
Amount:	\$33.45

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

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 28.63 as outlined on page 1 of invoice.
Amount:	\$28.63

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, 1617.10/11 equal 147.01 as outlined on page 1 of invoice.
Amount:	\$147.01

Component Description:	Outside Professional Services Additional Legal Expenses
Amount:	\$146.00

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, 323.00/11 equal 29.37 as outlined on page 1 of invoice.
Amount:	\$29.37

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

Component Description:	Outside Professional Services Additional Legal Expenses Invoice applies to all 11 repack stations, amount requested reflects portion payable per Station: \$70.00/11 as indicated on page 1 of Invoice
Amount:	\$6.36

	<p>Component Description:</p> <p>Outside Professional Services Additional Legal Expenses Legal services benefit entire FCC Repack project across all 11 Call Signs/Facility IDs, 3472.00/11 equal 315.64 as outlined on page 1 of invoice.</p> <p>Amount:</p> <p>\$315.64</p>
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 FCC Form 2100 (main), License to Cover Application	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	<p>Component Description:</p> <p>Outside Prof Svcs Consult Engineer CP for Aux</p> <p>Amount:</p> <p>\$525.00</p>

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<p>Component Description:</p> <p>Outside Professional Services Engineering Section FCC Form 2100 Construction Permit Application Main/Primary</p> <p>Amount:</p> <p>\$1,675.00</p>
Perform engineering study for new channel assignment and antenna development	<p>Component Description:</p> <p>Outside Professional Services Engineering Study New Channel Assignment Antenna Development</p> <p>Amount:</p> <p>\$750.00</p>
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Prepare and or review reimbursement form	<p>Component Description:</p> <p>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:</p> <p>\$102.75</p>
Project management of the transition	

Component Description:	Outside Professional Services Project Management of Transition See attachment pg 3-5 for Contract/Invoice Summary
Amount:	\$11,881.60

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

Component Description:	Outside Professional Services Project Management of Transition See attachment pg. 3-6 for Contract/Invoice Summary. PO /Contract for all eleven transmitter sites.
Amount:	\$2,302.10

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.
Amount:	\$3,792.19

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:	\$5,141.83

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 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:	\$5,141.83

Component Description:	Outside Professional Services Project Management Contract/Invoice summary for 11 sites see attach pgs 5-15
Amount:	\$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.
Amount:	\$10,283.66

Component Description:	Outside Professional Services Project Management of Transition See attachment pg 3-5 for Contract/Invoice Summary
Amount:	\$49,675.80

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 Prof Svcs Project Mgmt Attach pg 1-2 Invoice Attach pg 3- 19 Contracts Attach pg 10-30 Project Summary
Amount:	\$3,235.00

Component Description:	Outside Proj Svcs Proj Mgmt of Transition PO for eleven multiple sites See attach pg 3-6 for Contract /Invoice summary
Amount:	\$1,493.35

Component Description:	Outside Professional Services Project Management of Transition See attachment pg 3-5 for Contract/Invoice Summary
Amount:	\$4,352.64

	<p>Component Description:</p> <p>Outside Professional Services Project Management See attachment pg. 3 & 4 for Project Summary</p> <p>Amount:</p> <p>\$9,022.50</p>
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.
Prepare request for Special Temporary Authorization	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.

**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	\$458,937.00	\$453,387.00		\$443,613.80	
Antenna Main Other	<i>\$4,909.00</i>	\$4,909.00	Fine Matchers & Elbows Invoice 27011724 with quote 20082826	\$4,908.04	N/A
Mechanical Construction	<i>\$145,500.00</i>	\$145,500.00	See attached document WUNP GC Budget for justification and additional information See PO Summary (attach pg 106) with Riley Invoice 75- 08	\$145,499.43	N/A

General Construction	\$68,800.00	\$68,800.00	See attached document WUNP GC Budget for justification and additional information See PO Summary (attach pg 106) with Riley Invoice 75-08	\$68,743.45	N/A
Electrical Construction	\$151,900.00	\$151,900.00	See the attached document, WUNP GC Budget for justification and additional information See PO Summary (attach pg 106) with Riley Invoice 75-08	\$151,878.57	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$67,730.00	\$67,730.00	Quotes for disposal of both transmitters are attached	\$67,322.70	N/A
Develop and air announcement of upcoming channel change	\$2,000.00	\$2,000.00	Preliminary estimate	N/A	N/A

MVPD Notification of Channel Change	\$5,500.00	\$5,500.00	Preliminary estimate of service	\$463.64	N/A
Network Switch	\$1,048.00	\$1,048.00	See attachment - WUNP Network Switch Justification	\$1,047.97	N/A
DTV Medical Facility Notification	\$11,550.00	\$6,000.00	Preliminary estimate of service	\$3,750.00	N/A
Sub-total	\$458,937.00	\$453,387.00	N/A	\$443,613.80	N/A
Total for all systems	\$4,307,539.73	\$2,722,522.64	N/A	\$2,410,421.08	N/A

Components

Actual Information	
Description	File Name
Antenna Main Other	<p>Component Description: See attach pg 1 for payment details, attach pg 2 for invoice attach pg 3-5 for quote 20082826 items 000040 Fine Matchers & 000050 Elbows.</p> <p>Amount: \$4,908.04</p>
Mechanical Construction	

Component Description:	Mechanical Contract See attach pg 1 for payment details Invoice attach pg 2- 18 Change Orders attach pg 19-105 PO Summary attach pg 106
Amount:	\$6,013.26

Component Description:	Mechanical Contract See attach pg 1 for payment details. Invoice attach pg 2- 10 Change orders attach pg 11-33 PO Summary attach pg 34
Amount:	\$2,475.71

Component Description:	Mechanical Contract See attach pg 1 for payment details Invoice attach pg 2- 16, PO Summary attach pg 17.
Amount:	\$494.72

Component Description:	Mechanical Contract See attach pg 1 for payment details by FACId/Call. See attach last page for Purchase Order Summary for multiple sites.
Amount:	\$128,117.41

	<table> <tr> <td data-bbox="699 87 1023 459">Component Description:</td><td data-bbox="1023 87 1426 459">Mechanical Contract See attach pg 1 for payment details. Invoice attach pg 2-14 PO Summary attach pg 15, Recon pg 16.</td></tr> <tr> <td data-bbox="699 459 1023 571">Amount:</td><td data-bbox="1023 459 1426 571">\$4,360.83</td></tr> <tr> <td data-bbox="699 571 1023 952">Component Description:</td><td data-bbox="1023 571 1426 952">Mechanical Contract See attach pg 1 for payment details by FACId/Call. See attach last page for Purchase Order Summary for multiple sites.</td></tr> <tr> <td data-bbox="699 952 1023 1064">Amount:</td><td data-bbox="1023 952 1426 1064">\$4,037.50</td></tr> </table>	Component Description:	Mechanical Contract See attach pg 1 for payment details. Invoice attach pg 2-14 PO Summary attach pg 15, Recon pg 16.	Amount:	\$4,360.83	Component Description:	Mechanical Contract See attach pg 1 for payment details by FACId/Call. See attach last page for Purchase Order Summary for multiple sites.	Amount:	\$4,037.50
Component Description:	Mechanical Contract See attach pg 1 for payment details. Invoice attach pg 2-14 PO Summary attach pg 15, Recon pg 16.								
Amount:	\$4,360.83								
Component Description:	Mechanical Contract See attach pg 1 for payment details by FACId/Call. See attach last page for Purchase Order Summary for multiple sites.								
Amount:	\$4,037.50								
General Construction	<table> <tr> <td data-bbox="699 1064 1023 1444">Component Description:</td><td data-bbox="1023 1064 1426 1444">General Contract See attach pg 1 for payment details. Invoice attach pg 2-10 Change orders attach pg 11-33 PO Summary attach pg 34</td></tr> <tr> <td data-bbox="699 1444 1023 1556">Amount:</td><td data-bbox="1023 1444 1426 1556">\$1,575.16</td></tr> <tr> <td data-bbox="699 1556 1023 1937">Component Description:</td><td data-bbox="1023 1556 1426 1937">General Contract See attach pg 1 for payment details Invoice attach pg 2-16, PO Summary attach pg 17</td></tr> <tr> <td data-bbox="699 1937 1023 2134">Amount:</td><td data-bbox="1023 1937 1426 2134">\$37.73</td></tr> </table>	Component Description:	General Contract See attach pg 1 for payment details. Invoice attach pg 2-10 Change orders attach pg 11-33 PO Summary attach pg 34	Amount:	\$1,575.16	Component Description:	General Contract See attach pg 1 for payment details Invoice attach pg 2-16, PO Summary attach pg 17	Amount:	\$37.73
Component Description:	General Contract See attach pg 1 for payment details. Invoice attach pg 2-10 Change orders attach pg 11-33 PO Summary attach pg 34								
Amount:	\$1,575.16								
Component Description:	General Contract See attach pg 1 for payment details Invoice attach pg 2-16, PO Summary attach pg 17								
Amount:	\$37.73								

Component Description:	General Contract See attach pg 1 for payment details. Invoice attach pg 2- 10 Change orders attach pg 11-28 PO Summary attach pg 29
Amount:	\$173.28

Component Description:	General Contract See attach pg 1 for payment details by FACId/Call. See attach last page for Purchase Order Summary for multiple sites.
Amount:	\$1,353.29

Component Description:	General Contract See attach pg 1 for payment details by FACId/Call. See attach last page for Purchase Order Summary for multiple sites.
Amount:	\$33,689.27

Component Description:	Other Expenses General Contract See attachment pg 1 for payment details by contract /site including payment responsibility. PO for 6 sites.
Amount:	\$8,395.67

Component Description:	General Contract See attach pg 1 for payment details by FACId/Call. See attach last page for Purchase Order Summary for multiple sites.
Amount:	\$8,821.99

Component Description:	General Contract See attach pg 1 for payment details Invoice attach pg 2- 18 Change orders attach pg 19-105 PO Summary attach pg 106
Amount:	\$7,669.00

Component Description:	General Contract See attach pg 1 for payment details by FACId/Call. See attach last page for Purchase Order Summary for multiple sites.
Amount:	\$1,057.24

Component Description:	General Contract See attach pg 1 for payment details. Invoice attach pg 2- 14 PO Summary attach pg 15, Recon pg 16.
Amount:	\$2,223.93

	<p>Component Description: General Contract See attach pg 1 for payment details by FACId/Call. See attach last page for Purchase Order Summary for multiple sites.</p> <p>Amount: \$3,746.89</p>
Electrical Construction	<p>Component Description: Electrical Contract See attach pg 1 for payment details. Invoice attach pg 2-10 Change orders attach pg 11-33 PO Summary attach pg 34</p> <p>Amount: \$1,925.98</p> <p>Component Description: Electrical Contract See attach pg 1 for payment details. Invoice attach pg 2-10 Change orders attach pg 11-28 PO Summary attach pg 29</p> <p>Amount: \$352.24</p> <p>Component Description: Electrical Contract See attach pg 1 for payment details by FACId/Call. See attach last page for Purchase Order Summary for multiple sites.</p> <p>Amount: \$14,456.42</p>

Component Description:	Electrical Contract See attach pg 1 for payment details by FACId/Call. See attach last page for Purchase Order Summary for multiple sites.
Amount:	\$20,354.44

Component Description:	Other Expenses Electrical Contract See attachment pg 1 for payment details by contract /site including payment responsibility. PO for 6 sites.
Amount:	\$14,227.20

Component Description:	Electrical Contract See attach pg 1 for payment details Invoice attach pg 2- 18 Change orders attach pg 19-105 PO Summary attach pg 106
Amount:	\$10,331.07

Component Description:	Electrical Contract See attach pg 1 for payment details by FACId/Call. See attach last page for Purchase Order Summary for multiple sites.
Amount:	\$69,792.71

Component Description:	Electrical Contract See attach pg 1 for payment details by FACId/Call. See attach last page for Purchase Order Summary for multiple sites.
Amount:	\$7,401.37

Component Description:	Electrical Contract See attach pg 1 for payment details. Invoice attach pg 2- 14 PO Summary attach pg 15, Recon pg 16.
Amount:	\$4,393.87

Component Description:	Electrical Contract See attach pg 1 for payment details by FACId/Call. See attach last page for Purchase Order Summary for multiple sites.
Amount:	\$8,643.27

<p>Disposal Costs (for equipment and other waste, net of any salvage value)</p>	<table> <tr> <td data-bbox="708 100 1145 488"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1145 100 1428 488"> <p>Final Main Transmitter Disposal See attach pg 1 for payment details. \$19,878.75</p> </td></tr> <tr> <td data-bbox="708 488 1145 853"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1145 488 1428 853"> <p>Final Invoice Aux Transmitter Disposal See attach pg 1 for payment details \$13,782.60</p> </td></tr> <tr> <td data-bbox="708 853 1145 1182"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1145 853 1428 1182"> <p>50% Primary Transmitter Disposal. Purchase Order is for all 11 sites. \$19,878.75</p> </td></tr> <tr> <td data-bbox="708 1182 1145 1480"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1145 1182 1428 1480"> <p>50% Aux Transmitter Disposal. Purchase Order is for all 11 sites. \$13,782.60</p> </td></tr> </table>	<p>Component Description:</p> <p>Amount:</p>	<p>Final Main Transmitter Disposal See attach pg 1 for payment details. \$19,878.75</p>	<p>Component Description:</p> <p>Amount:</p>	<p>Final Invoice Aux Transmitter Disposal See attach pg 1 for payment details \$13,782.60</p>	<p>Component Description:</p> <p>Amount:</p>	<p>50% Primary Transmitter Disposal. Purchase Order is for all 11 sites. \$19,878.75</p>	<p>Component Description:</p> <p>Amount:</p>	<p>50% Aux Transmitter Disposal. Purchase Order is for all 11 sites. \$13,782.60</p>
<p>Component Description:</p> <p>Amount:</p>	<p>Final Main Transmitter Disposal See attach pg 1 for payment details. \$19,878.75</p>								
<p>Component Description:</p> <p>Amount:</p>	<p>Final Invoice Aux Transmitter Disposal See attach pg 1 for payment details \$13,782.60</p>								
<p>Component Description:</p> <p>Amount:</p>	<p>50% Primary Transmitter Disposal. Purchase Order is for all 11 sites. \$19,878.75</p>								
<p>Component Description:</p> <p>Amount:</p>	<p>50% Aux Transmitter Disposal. Purchase Order is for all 11 sites. \$13,782.60</p>								
<p>Develop and air announcement of upcoming channel change</p>	<p>Information not provided.</p>								
<p>MVPD Notification of Channel Change</p>	<table> <tr> <td data-bbox="708 1637 1145 1964"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1145 1637 1428 1964"> <p>MVPD Notify See attach pg. 12-13 \$5,100 for 11 sites equal 463.64 each \$463.64</p> </td></tr> </table>	<p>Component Description:</p> <p>Amount:</p>	<p>MVPD Notify See attach pg. 12-13 \$5,100 for 11 sites equal 463.64 each \$463.64</p>						
<p>Component Description:</p> <p>Amount:</p>	<p>MVPD Notify See attach pg. 12-13 \$5,100 for 11 sites equal 463.64 each \$463.64</p>								

Network Switch	<p>Component Description:</p> <p>Other Expenses Network Switch 11 Switches for total of 11,527.67 equals 1,047.97 per transmitter site.</p> <p>Amount:</p> <p>\$1,047.97</p>
DTV Medical Facility Notification	<p>Component Description:</p> <p>Other Expenses DTV Med Notify</p> <p>Amount:</p> <p>\$3,750.00</p>

**Cost
Information**

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$4,307,539.73	\$2,722,522.64	\$2,410,421.08

Reimbursement Status

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

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

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

<p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Donald Smith <i>Director of New Technologies Compliance & Planning</i></p> <p>11/29/2020</p>

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

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

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Robert Levin <i>Director of Finance and Administration</i></p> <p>11/29/2020</p>

Attachments