

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **4693** | Service: **DTV** | Call **WYTV** | Channel: **36 (UHF)** |
 ID: | Sign:
 File **0000028779**
 Number:
 FRN: **0021758263** | Date **10/02**
 Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WYTV TELEVISION, LLC	Thomas J. Vaughan 14429 BRIDGEVIEW LANE PORT CHARLOTTE, FL 33953 United States	+1 (941) 764-6867	glenn.richards@pillsburylaw.com	Limited Liability Company

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Jessica Nyman , Esq . <i>FCC Counsel</i> <i>Pillsbury Winthrop Shaw Pittman LLP</i>	Jessica Nyman 1200 Seventeenth Street, NW Washington, DC 20036 United States	+1 (202) 663-8810	jessica.nyman@pillsburylaw.com

**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	WYTV plans to replace its existing aux transmitter and antenna as well as its main antenna and transmitter with equipment for use on its new repack channel. No Interim facilities will be required since we are able to use the aux facility.

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 Facilities
	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	Ultimate
	Year	2002
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	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	EC706HP- BB
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	5.2 kW
	Justification for New Transmitter	Existing Aux transmitter is obsolete and no longer supported. Transmitter requires replacement.

**Auxiliary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	100.0 feet

	Other Electrical Service	Yes
	Description	Aux Transmitter Electrical Installation
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**

Name		Description
Remove Existing Equipment		Removal of Existing Aux Transmitter
Remote Control Wiring		Wire Up existing remote control to new transmitter.

**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	QXD1
	Year	2010
	Type	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	25 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	HPTV-PRLX-U14
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	22.7 kW
	Justification for New Transmitter	Existing transmitter is obsolete and is no longer supported. Manufacturer is no longer building transmitters. See attachment from Comark for IOT reference price.

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA

	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	200.0 feet
	Other Electrical Service	Yes
	Description	New Transmitter Electrical Installation
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**

Name	Description
Voltage Regulator	Voltage Regulator
Remove Existing Equipment	Removal of existing main transmitter
Remote Control Wiring	Wire up existing remote control to new transmitter.

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 Antenna
	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?	Yes
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)	50.0 kW

Manufacturer	
Model	ALP16L2- HSOC-36
Year	2002

Auxiliary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Auxiliary (Backup)
	Description of Use	Aux Antenna
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Types	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/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)	50.0 kW
	Manufacturer	

Model	ALP16M2-HSOC-31
Year	2017
Justification for New Antenna	Existing Aux Antenna will not work on new channel. Existing slot antenna must be replaced.

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?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
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
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**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?	Yes
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top 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)	1000.0 kW

Manufacturer	
Model	TFU-21JTH- R 4C300
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?	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?	Yes
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)	903.0 kW
	Manufacturer	

Model	TFU-25ETT /VP-R 4C160
Year	2018
Justification for New Antenna	Existing antenna will not operate on new assigned channel. Slot antenna must be replaced.

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	Utilize Existing
	Use	Auxiliary (Backup)
	Description of Use	Aux Antenna Line
	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	Andrew
	Type	Flexible Air
	Diameter	1 5/8 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	600 feet per run

Auxiliary
Transmission Line

Other Transmission Line Expenses Not Listed

NameDescription	
Additional transmission line	Additional transmission line
Model 850C Air Dryer	Model 850C Air Dryer
RF Sweep Optimization	RF Sweep and Optimize on new RF Channel

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	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	650 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	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1600 feet per run
	Justification for New Transmission Line	ABC

Primary
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	Modify Existing
	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?	Unknown
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1024492
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	41° 03' 43.0" N-
	Longitude (NAD83)	080° 38' 06.0" W-
	Overall Structure Height	641.40 feet
	Support Structure Height	599.73 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1024.92 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Nexstar Broadcasting, Inc.
Date Constructed	03/20/1973

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for undocumented /poorly documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Major Reinforcements needed

Primary Tower

Tower Rigging Costs

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

Primary Tower

Other Tower Expenses Not Listed

Information not provided.

**Outside
Professional**

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	500
	Explanation	Outside Project management of transition required due to limited staffing availability at station.
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	2
	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	2
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	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	Yes
	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
Prepare and File FCC Progress Reports	Prepare and file FCC Progress Reports Quarterly

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	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	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
Sales and Use Tax	Sales and Use tax on equipment and services estimated.

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 HPTV-PRLX-U14	\$1,157,735.20	\$922,370.20		\$836,806.45	
Remote Control Wiring	<i>\$3,500.00</i>	\$3,500.00	Wire up existing remote control to new transmitter	N/A	N/A
Remove Existing Equipment	<i>\$25,000.00</i>	\$25,000.00	Remove existing main transmitter	N/A	N/A
Voltage Regulator	<i>\$65,335.20</i>	\$65,335.20	See Staco quote QUO-28047-2HEEX2-3	\$65,335.20	N/A
Other Electrical Service: New Transmitter Electrical Installation	<i>\$31,500.00</i>	\$31,500.00	Transmitter Electrical Installation; see Land Communications estimate 167	\$31,500.00	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	Catalog	\$20,550.00	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	Catalog	\$36,300.00	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$10,400.00	\$9,800.00	Catalog	\$2,983.00	N/A

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$715,935.00	See Comark quote P#3903PRLXU14- 100518.	\$680,138.25	N/A
Auxiliary Transmitter EC706HP- BB	\$299,369.00	\$200,899.00		\$153,199.00	
Remote Control Wiring	\$3,500.00	\$3,500.00	Wire up existing remote control to transmitter.	N/A	N/A
Remove Existing Equipment	\$15,000.00	\$15,000.00	Remove existing aux transmitter	N/A	N/A
Other Electrical Service: Aux Transmitter Electrical Installation	\$13,619.00	\$13,619.00	Aux Transmitter Electrical Installation; see Tri Area Electric proposal	\$13,619.00	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,900.00	Catalog	N/A	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	Catalog	N/A	N/A
UHF - Air Cooled Solid State Transmitter 4 - 6 kW	\$236,500.00	\$139,580.00	See Comark quote P#3951EC- 042319-R1.	\$139,580.00	N/A
Sub-total	\$1,457,104.20	\$1,123,269.20	N/A	\$990,005.45	N/A
Total for all systems	\$3,379,634.56	\$2,862,420.06	N/A	\$1,660,599.89	N/A

Components

Actual Information	
Description	File Name
Remote Control Wiring	Information not provided.
Remove Existing Equipment	Information not provided.
Voltage Regulator	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>Voltage Regulator</div> <div>\$65,335.20</div> </div>
Other Electrical Service: New Transmitter Electrical Installation	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>Transmitter installation, installment #1</div> <div>\$15,750.00</div> </div>
	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>Transmitter installation, installment #2</div> <div>\$15,750.00</div> </div>
Transformer 3 phase/480v - 300 KVA	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>Electrical services, installment #2</div> <div>\$10,275.00</div> </div>
	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>Electrical services, installment #1</div> <div>\$10,275.00</div> </div>

Switchgear - industrial 800 amp	Component Description:	Electrical services, installment #1
	Amount:	\$18,150.00
	Component Description:	Electrical services, installment #2
	Amount:	\$18,150.00
3" Rigid Conduit and Wiring (Cost per foot)	Component Description:	Neutral conductor for new transmitter
	Amount:	\$2,983.00
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	Component Description:	Transmitter, installment #2, items 1 and 2 from invoice; see also sales tax
	Amount:	\$322,170.75
	Component Description:	Transmitter, installment #1, items 1 and 2 from invoice
	Amount:	\$357,967.50
Remote Control Wiring	Information not provided.	
Remove Existing Equipment	Information not provided.	
Other Electrical Service: Aux Transmitter Electrical Installation	Component Description:	Aux transmitter electrical
	Amount:	\$13,619.00
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

Transformer 3 phase/480v - 150 KVA	Information not provided.
UHF - Air Cooled Solid State Transmitter 4 - 6 kW	<p>Component Description: Aux transmitter, installment #1; see also sales tax</p> <p>Amount: \$69,790.00</p> <p>Component Description: Aux transmitter, installment #2; see also sales tax</p> <p>Amount: \$69,790.00</p>

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 TFU-25ETT /VP-R 4C160	\$308,530.00	\$218,201.00		\$190,620.90	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$201,503.00	See Dielectric quote DMS136-6; total antenna cost \$221,128 less vpol (\$20,625) which is not reimbursable	\$181,352.70	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Catalog	N/A	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,298.00	Catalog, revised to \$10,298; see Dielectric quote DMS136-6.	\$9,268.20	N/A
Auxiliary Antenna ALP16M2-HSOC-31	\$124,540.00	\$55,177.00		\$10,888.50	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Catalog	N/A	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	Catalog	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	Catalog	N/A	N/A
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	\$89,400.00	\$21,777.00	See Electronics Research quote 20190430-394 Rev A	\$10,888.50	N/A
Sub-total	\$433,070.00	\$273,378.00	N/A	\$201,509.40	N/A
Total for all systems	\$3,379,634.56	\$2,862,420.06	N/A	\$1,660,599.89	N/A

Components

Actual Information
Description

File Name

<p>UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized</p>	<p>Component Description: Main antenna, installment #1, line 1 of invoice</p> <p>Amount: \$90,676.35</p> <p>Component Description: Main antenna, installment #2, line 1 of invoice</p> <p>Amount: \$90,676.35</p>
<p>Sweep test of existing antenna</p>	<p>Information not provided.</p>
<p>Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)</p>	<p>Component Description: Elbow complex, installment #1, line 3 of invoice</p> <p>Amount: \$4,634.10</p> <p>Component Description: Elbow complex, installment #2, line 3 of invoice</p> <p>Amount: \$4,634.10</p>
<p>Sweep test of existing antenna</p>	<p>Information not provided.</p>
<p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>
<p>Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>

UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Component Description:		Auxiliary antenna, installment #2
	Amount:		\$10,888.50
	Component Description:		Auxiliary antenna, installment #1
	Amount:		\$10,888.50

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	\$323,200.00	\$205,222.50		\$184,700.26	
Rigid Transmission Line - copper, 6 1/8"	\$323,200.00	\$205,222.50	See Dielectric quote DMS136-6	\$184,700.26	N/A
Auxiliary Transmission Line	\$12,345.36	\$12,345.36		\$2,422.68	
Additional transmission line	\$657.41	\$657.41	See ERI proposal 20190430-394 Rev A	\$328.70	N/A
Model 850C Air Dryer	\$4,187.95	\$4,187.95	See ERI proposal 20190430-394 Rev A	\$2,093.98	N/A
RF Sweep Optimization	\$7,500.00	\$7,500.00	Sweep existing line and optimize add fine matcher sections	N/A	N/A
Sub-total	\$335,545.36	\$217,567.86	N/A	\$187,122.94	N/A
Total for all systems	\$3,379,634.56	\$2,862,420.06	N/A	\$1,660,599.89	N/A

Components

Actual Information	
Description	File Name

Rigid Transmission Line - copper, 6 1/8"	Component Description:	Transmission line, installment #2, line 4 of invoice
	Amount:	\$92,350.13
	Component Description:	Transmission line, installment #1, line 4 of invoice
	Amount:	\$92,350.13
Additional transmission line	Component Description:	Transmission line, installment #2
	Amount:	\$328.70
	Component Description:	Transmission line, installment #1
	Amount:	\$328.71
Model 850C Air Dryer	Component Description:	Model 850C Air Dryer, installment #2
	Amount:	\$2,093.98
	Component Description:	Model 850C Air Dryer, installment #1
	Amount:	\$2,093.97
RF Sweep Optimization	Information not provided.	

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	\$657,800.00	\$763,940.00		\$148,200.00	
Tall Tower (greater than 500')	\$210,500.00	\$332,320.00	See Tri County Tower proposal 11628 for main antenna installation; see Tri County Tower proposal 11548 for aux antenna installation.	\$116,580.00	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$31,620.00	See proposals from Elevated Structural Consultants and American Tower	\$31,620.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	Catalog	N/A	N/A
Sub-total	\$657,800.00	\$763,940.00	N/A	\$148,200.00	N/A
Total for all systems	\$3,379,634.56	\$2,862,420.06	N/A	\$1,660,599.89	N/A

Components

Actual Information	
Description	File Name
Tall Tower (greater than 500')	Component Description: Vendor refund
	Amount: (\$104,496.00)
	Component Description: Aux antenna installation; see also sales tax
	Amount: \$24,120.00
	Component Description: Antenna installation, installment #1
	Amount: \$92,460.00
	Component Description: Antenna installation, installment #1
	Amount: \$104,496.00
	Component Description: Deposit towards tower services
	Amount: \$10,000.00
	Component Description: Withdraw request; vendor could not complete service
	Amount: (\$10,000.00)

<p>Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study</p>	<table> <tr> <td data-bbox="699 87 1114 248"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1114 87 1428 248"> <p>Tower analysis</p> <p>\$4,800.00</p> </td></tr> <tr> <td data-bbox="699 248 1114 409"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1114 248 1428 409"> <p>Tower mapping</p> <p>\$16,345.00</p> </td></tr> <tr> <td data-bbox="699 409 1114 663"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1114 409 1428 663"> <p>Structural analysis</p> <p>\$10,475.00</p> </td></tr> </table>	<p>Component Description:</p> <p>Amount:</p>	<p>Tower analysis</p> <p>\$4,800.00</p>	<p>Component Description:</p> <p>Amount:</p>	<p>Tower mapping</p> <p>\$16,345.00</p>	<p>Component Description:</p> <p>Amount:</p>	<p>Structural analysis</p> <p>\$10,475.00</p>
<p>Component Description:</p> <p>Amount:</p>	<p>Tower analysis</p> <p>\$4,800.00</p>						
<p>Component Description:</p> <p>Amount:</p>	<p>Tower mapping</p> <p>\$16,345.00</p>						
<p>Component Description:</p> <p>Amount:</p>	<p>Structural analysis</p> <p>\$10,475.00</p>						
<p>Major tower reinforcement /modifications</p>	<p>Information not provided.</p>						

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	\$228,535.00	\$217,250.00		\$32,566.50	
Prepare and File FCC Progress Reports	<i>\$21,000.00</i>	\$21,000.00	Prepare and file FCC Progress Reports	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	Catalog	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	Catalog	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	Catalog	N/A	N/A

Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	Catalog	\$1,500.00	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	Catalog	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	Catalog	\$2,500.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	Catalog	N/A	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	Catalog	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	Catalog	N/A	N/A

Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	Catalog	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	Catalog	N/A	N/A
Project management of the transition	\$79,000.00	\$75,000.00	Catalog	\$28,566.50	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	Catalog	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	Catalog	N/A	N/A
Sub-total	\$228,535.00	\$217,250.00	N/A	\$32,566.50	N/A
Total for all systems	\$3,379,634.56	\$2,862,420.06	N/A	\$1,660,599.89	N/A

Components

Actual Information	
Description	File Name
Prepare and File FCC Progress Reports	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit 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.
Prepare request for Special Temporary Authorization	<p>Component Description: STA to operate repack post auction interim facility using an ERI model antenna while new post auction main facility is built out</p> <p>Amount: \$1,500.00</p>
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<p>Component Description: Prepare engineering section of FCC Form 2100, item 5 from invoice summary</p> <p>Amount: \$2,500.00</p>
Perform engineering study for new channel assignment and antenna development	Information not provided.
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), License to Cover Application	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Comprehensive coverage verification via field study, if needed	Information not provided.	
Project management of the transition	Component Description: Amount:	Project management services 10.27.18 through 11.30.18 \$150.00
	Component Description: Amount:	Project management services 6.30.18 through 7.27.18 \$225.00
	Component Description: Amount:	Various project management services, item 6 from invoice summary \$1,049.00
	Component Description: Amount:	Project management services March 2019 \$39.00
	Component Description: Amount:	Project management services March 2019 \$200.00

Component Description:	Project management services 6.1.19 through 6.28.19
Amount:	\$450.00

Component Description:	Project management services April 2019
Amount:	\$123.50

Component Description:	Project management services 4.27.19 through 5.31.19
Amount:	\$2,025.00

Component Description:	Project management services, items 1 and 2 from invoice summary
Amount:	\$703.00

Component Description:	Project management services 3.30.19 through 4.26.19
Amount:	\$1,200.00

Component Description:	Project management services May 2019
Amount:	\$84.50

Component Description:	Prepare FCC Schedule 387, item 2 from invoice summary
Amount:	\$300.00

Component Description:	Prepare FCC Schedule 387, item 4 from invoice summary
Amount:	\$150.00

Component Description:	Project management services 7.28.18 through 9.28.18
Amount:	\$1,950.00

Component Description:	Project management services 12.1.18 through 12.31.18
Amount:	\$75.00

Component Description:	Project management services 1.1.19 through 1.31.19.
Amount:	\$2,475.00

Component Description:	Project management services 9.29.18 through 10.26.18
Amount:	\$1,200.00

Component Description:	Project management services various, item 1 from invoice summary
Amount:	\$8,437.50

	Component Description: Amount:	Project management services 3.2.19 through 3.29.19 \$6,075.00
	Component Description: Amount:	Project management services 2.1.19 through 3.1.19 \$1,425.00
	Component Description: Amount:	Prepare FCC Schedule 387, item 3 from invoice summary \$150.00
	Component Description: Amount:	Project management services February 2019 \$80.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	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	\$267,580.00	\$267,015.00		\$101,195.60	
MVPD Notification of Channel Change	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$1,500.00</i>	\$1,500.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	Catalog	\$4,544.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	Catalog	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	Catalog	N/A	N/A
Non-zoning permits	<i>\$15,000.00</i>	\$15,000.00	local permits for mechanicals	N/A	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	\$25,000.00	\$25,000.00	Disposal of glycol and beam supply oil; see Estimate 27 USA Commercial	\$25,000.00	N/A
Equipment Delivery and Handling Charges	\$25,000.00	\$25,000.00	equipment shipping and delivery	\$1,768.91	N/A
Equipment Storage	\$12,000.00	\$12,000.00	Equipment storage until needed on site	N/A	N/A
Sales and Use Tax	\$172,000.00	\$172,000.00	Estimated sales and use tax using OH effective tax rates	\$69,882.69	N/A
Sub-total	\$267,580.00	\$267,015.00	N/A	\$101,195.60	N/A
Total for all systems	\$3,379,634.56	\$2,862,420.06	N/A	\$1,660,599.89	N/A

Components

Actual Information	
Description	File Name
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
DTV Medical Facility Notification	<p>Component Description: Notification of medical facilities</p> <p>Amount: \$4,544.00</p>

FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
Non-zoning permits	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description: Amount:	Disposal costs \$25,000.00
Equipment Delivery and Handling Charges	Component Description: Amount: Component Description: Amount:	Aux antenna shipping \$978.47 Voltage regulator shipping cost \$790.44
Equipment Storage	Information not provided.	
Sales and Use Tax	Component Description: Amount: Component Description: Amount: Component Description: Amount:	Sales tax on aux transmitter, installment #1 \$5,059.78 Sales tax on aux antenna installation \$1,748.70 Sales tax on antenna installation, installment #1 \$6,703.35

Component Description:	Sales tax on aux antenna
Amount:	\$2,001.06

Component Description:	Sales tax on transmitter, installment #2
Amount:	\$23,357.38

Component Description:	Sales tax on aux transmitter, installment #2
Amount:	\$5,059.78

Component Description:	Sales tax on transmitter, installment #1
Amount:	\$25,952.64

Component Description:	Tax on transmitter, installment #1
Amount:	\$25,952.64

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$3,379,634.56	\$2,862,420.06	\$1,660,599.89

Reimbursement Status	Question	Response
	The facility has ceased operating on its pre-auction channel.	No
	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>Thomas J. Vaughan <i>Manager</i></p> <p>10/02/2019</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR 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).	
		<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>Thomas J. Vaughan <i>Manager</i></p> <p>10/02/2019</p>

Attachments