

Federal Communications Commission

## (REFERENCE COPY - Not for submission)

## FCC Form 399: Reimbursement Request

Facility	<b>4693</b>	Service: DTV	Call	WYTV	Channel: 36 (UHF)
ID:			Sign:		
File	000002	8779			
Number:					
FRN: 002	21758263	Date	05/21		
		Submitted:	/2019		

### Applicant Name, Type, and Contact Information

## Applicant 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 Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

## Preparer Preparer Contact Name and Information

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

Broadcaster	Question	Response
Information and Transition Plan	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	Add Transmitter Information				
Transmitter	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			
	Manufacturer and Type	Model	Ultimate		
		Year	2002		
		Туре	Solid State		
		Solid State Cooling	Air Cooled		
		Solid State Power Capacity	5 kW		

Auxiliary	New Transmitter Costs				
Transmitter	Section	Question	Response		
	New Transmitter	Use	Auxiliary (Backup)		
		Change Type	Purchase New		
		Is this a request for upgraded equipment?	No		
		Manufacturer			
		Model	ULTXE-10		
		Transmitter Type	Solid State		
		Solid State Cooling	Liquid Cooled		
		Solid State Power capacity	5 kW		
		Justification for New Transmitter	Existing Aux transmitter is obsolete and no longer supported. Transmitter requires replacement.		

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

### Auxiliary Transmitter

Other Transmitter Cost Not Listed

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

Primary	Existing Transmitter Information				
Transmitter	Section	Question	Response		
	Existing Transmitter Description	Type of change	Purchase New		
		Use	Primary (Main)		
		Description of Use	N/A		
		Ownership	Owned		
		Owner	N/A		
		Site	N/A		
		Is this transmitter currently shared with another station?	No		
		Is this transmitter currently in operating condition?	Yes		
	Existing Transmitter Manufacturer and Type	Manufacturer			
		Model	QXD1		
		Year	2010		
		Туре	Inductive Output Tube		
		IOT Power Type	Single		
		Power Capacity	25 kW		

## **Existing Transmitter Information**

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	

## Other Transmitter Costs

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

Primary Transmitter	Other Transmitter Cost Not Listed			
	Name	Description		
	Remote Control Wiring	Wire up existing remote control to new transmitter.		
	Remove Existing Equipment	Removal of existing main transmitter		
	Voltage Regulator	Voltage Regulator		

Antennas Section		Question	Response
Antenna Rela	ated Expenses	Do you have antenna related expenses?	Yes

Auxiliary Antenna	Add Antenna Information			
	Section	Question	Response	
	Existing Antenna Description	Type of change	Purchase New	
		Antenna Use	Auxiliary (Backup)	
		Description of Use	Aux 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	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels	N/A	
		Design power capacity in use	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	50.0 kW	

## Add Antenna Information

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

Antenna

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	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
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## Auxiliant Other Antenna Cost Not Listed

AuxiliaryOther Antenna CostAntennaInformation 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	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels	N/A	
		Design power capacity in use	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	1000.0 kW	

Manufacturer	
Model	TFU-21JTH- R 4C300
Year	2010

Primary	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	Yes	
		Ownership	Owned	
		Owner	N/A	
		Is antenna shared?	No	
		Is antenna directional?	Yes	
		Will antenna be located on or in close proximity to an antenna farm?	Yes	
	New Antenna	Class	Full Power	
	Manufacturer and Types	Mounting	Top Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Elliptical	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels/Bays	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Design power capacity in use	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	903.0 kW	
		Manufacturer		
			1	

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

## Primary Other Antenna Costs

Antenna Section Combiner Antenna	Section	Question	Response
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
		Туре	
		Number of channels supported	N/A
		Frequencies of channels supported	N/A
Elbow Complex Side Mount Brackets	Frequency	N/A	
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A	
	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<br/>AntennaOther Antenna Cost Not ListedInformation not provided.

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

# Add Transmission Line Transmission Line

ansmissio	n 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	
	Existing Transmission	Is Transmission Line in operating condition?	Yes
		Manufacturer	Andrew
Line Manufacturer and Type	Туре	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 Other Transmission Line Expenses Not Listed

Transmissior	Naine	Description
	RF Sweep Optimization	RF Sweep and Optimize on new RF Channel

ransmissio	Section	Question	Response
Existing Transmission Line Description	Existing Transmission Line Description	Type of change	Purchase New
		Use	Primary (Main)
		Description of Use	N/A
		Ownership	Owned
		Owner	N/A
		Site	N/A
		Is the existing transmission line shared with another station or stations?	No
		Is Transmission Line in operating condition?	Yes
	Existing Transmission	Manufacturer	
	Line Manufacturer and Type	Туре	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 Existing Transmission Line

Primary	New Transmission Line		
Transmission	on 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
		Туре	Rigid
		Diameter	6 1/8 inches
		Other Diameter	N/A
		Segment Length	20 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	1600 feet per run
		Justification for New Transmission Line	ABC

Other Transmission Line Expenses Not Listed Transmission

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

Primary	Existing	Tower

Primary						
Tower	Section	Question	Response			
	Existing Tower Description	Type of change	Modify Existing			
		Tower Use	Primary (Main)			
		Description of Use	N/A			
		Type of changeModify ExistingTower UsePrimary (Main)Description of UseN/AOwnershipOwnedIs this tower consider Complex?NoIs this tower currently shared with any other stations?NoOne or more FM, AM or TV radio broadcaster(s)N/AOthers Types of UsersN/AIs tower documented for structural analysis?UnknownIs tower compliant with Rev G?UnknownDo you have a tower registration number?YesASR Number1024492Latitude (NAD83)41° 03' 43.0" N-Corerall Structure Height641.40 feetSupport Structure Height599.73 feet				
		Is this tower consider Complex?	No			
			No			
			N/A			
		Others Types of Users	N/A			
		Is tower documented for structural analysis? Unknow				
		Is tower compliant with Rev G?	N/A         N/A         Unknown         Unknown         Yes         1024492         41° 03' 43.0"			
	Existing Tower Structure					
	Registration	ASR Number	1024492			
	Coordinates (NAD83 ( North American Datum	Latitude (NAD83)				
	of 1983))	Longitude (NAD83)				
		Overall Structure Height	641.40 feet			
		Support Structure Height	599.73 feet			
			1024.92 feet			

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

## **Tower Modification Costs** Primary Tower

Section	
Engineering Study	

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

### **Tower Rigging Costs** Primarv

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

### Other Tower Expenses Not Listed Primary

Tower Information not provided.

Outside	Section	Question	Response	
Professional	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	
		o you require outside project management rvices?Yesamber of Hours500aplanationOutside Project management of transition required due to limited staffing availability at staffing availability at staffing 		
		For Auxiliary Facility	Yes	
		For Main Facility		
		For Main Facility 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	Prepare and file Form FCC Construction Permit Application	Yes	
	Services	For Auxiliary Facility	Yes	
		For Main Facility	Yes	

	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	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	Other Professional Services Expenses Not Listed			
Professional	Services Costs	Description		
	Prepare and File FCC Progress Reports	Prepare and file FCC Progress Reports Quarterly		

Other	Section	Question	Response			
Expenses	AM Pattern Disturbance	Is an Impact Study needed?	No			
		Is Remediation needed?	No			
	Facility Expenses	Name	N/A			
		Other Distributed Transmission System Expenses Not listed	N/A			
		Name	N/A			
		Is an Impact Study needed?NoIs Remediation needed?NoIs Remediation needed?NoNameN/AOther Distributed Transmission System Expenses Not listedN/ANameN/ANameN/AIs Notification of a Medical Facility required as a result of DTV broadcasting?YesLocal ZoningNoNon-zoning permitsYesBLM or NFS CoordinationNoFCC Construction Permit Minor ChangeNoFCC License to Cover ApplicationYesFCC Special Temporary Authority ApplicationYesDoes this relocation require paying 				
	Permit and Filing Costs	as a result of DTV broadcasting?NoLocal ZoningNoNon-zoning permitsYesBLM or NFS CoordinationNoFCC Construction Permit Minor ChangeNoFCC License to Cover ApplicationYesFCC Special Temporary AuthorityYes				
		Is an Impact Study needed?NoIs Remediation needed?NoIs Remediation needed?NoNameN/AOther Distributed Transmission System Expenses Not listedN/ANameN/AIs Notification of a Medical Facility required as a result of DTV broadcasting?YesLocal ZoningNoNon-zoning permitsYesBLM or NFS CoordinationNoFCC Construction Permit Minor ChangeNoFCC License to Cover ApplicationYesFCC Special Temporary Authority ApplicationYesDoes this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?YesDoes this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?YesDoes this relocation require Equipment Storage?YesDoes this relocation require the Development and Airing of an Announcement regarding an upcomingYes				
		Is an Impact Study needed?NoIs Remediation needed?NoIs Remediation needed?NoNameN/AOther Distributed Transmission System Expenses Not listedN/ANameN/AIs Notification of a Medical Facility required as a result of DTV broadcasting?YesLocal ZoningNoNon-zoning permitsYesBLM or NFS CoordinationNoFCC Construction Permit Minor ChangeNoFCC License to Cover ApplicationYesFCC Special Temporary Authority ApplicationYesDoes this relocation require paying mvaste, net of any salvage value)?YesDoes this relocation require Equipment Delivery or Handling Charges not otherwises included in individual item costs?YesDoes this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?YesDoes this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?Yes				
		FCC Construction Permit Minor Change       No         FCC License to Cover Application       Yes				
			YesNoYesNoNoYesYesYesYesYesYesYesYesYesYesYesYes			
	Other Miscellaneous Expenses	Disposal Costs (for equipment and other	Yes			
		Delivery or Handling Charges not otherwise	Yes			
			Yes			
		Development and Airing of an Announcement regarding an upcoming	Yes			
		-	Yes			

## **Other Expenses Not Listed**

Other Expenses	Other Expenses Not Listed			
	Name	Description		
	Sales and Use Tax	Sales and Use tax on equipment and services estimated.		

## Transmitters

## Cost Information

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

<b>B</b>	Predetermined	Estimated	Estimated Cost		Actual Cost
Description	Cost Estimate	Cost	Justification	Actual Cost	Justification
Primary Transmitter HPTV-PRLX- U14	\$2,630,735.20	\$1,280,337.70		\$467,477.70	
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$715,935.00	See Comark quote P#3903PRLXU14- 100518.	\$357,967.50	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$357,967.50	***System Notice: Estimate adjusted and locked because line has been superseded. ***See Hitachi quote P#3903PRLXU14- 100518.	\$0.00	N/A
Voltage Regulator	\$65,335.20	\$65,335.20	See Staco quote QUO-28047- 2HEEX2-3	\$65,335.20	N/A
Remove Existing Equipment	\$25,000.00	\$25,000.00	Remove existing main transmitter	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	Catalog	\$18,150.00	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	Catalog	\$10,275.00	N/A

3" Rigid Conduit and Wiring (Cost per foot)	\$10,400.00	\$9,800.00	Catalog	N/A	N/ <i>F</i>
Other Electrical Service: New Transmitter Electrical Installation	\$31,500.00	\$31,500.00	Transmitter Electrical Installation; see Land Communications estimate 167	\$15,750.00	N/#
Remote Control Wiring	\$3,500.00	\$3,500.00	Wire up existing remote control to new transmitter	N/A	N/A
Auxiliary Transmitter ULTXE-10	\$344,750.00	\$329,700.00		\$0.00	
Remote Control Wiring	\$3,500.00	\$3,500.00	Wire up existing remote control to transmitter.	N/A	N/A
Other Electrical Service: Aux Transmitter Electrical Installation	\$22,000.00	\$22,000.00	Aux Transmitter Electrical Installation	N/A	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 - Liquid Cooled Solid State Transmitter	\$273,500.00	\$260,000.00	N/A	N/A	N/A

Remove Existing Equipment	\$15,000.00	\$15,000.00	Remove existing aux transmitter	N/A	N/A
Sub-total	\$2,975,485.20	\$1,610,037.70	N/A	\$467,477.70	N/A
Total for all systems	\$4,893,170.20	\$3,268,626.20	N/A	\$920,703.44	N/A

## Components

Actual Information Description	File Name	
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	Component Description: Amount:	Transmitter, installment #1, items 1 and 2 from invoice \$357,967.50
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Component Description: Amount:	Transmitter, installment #1, items 1 & 2 \$357,967.50
Voltage Regulator	Component Description: Amount:	Voltage Regulator \$65,335.20
Remove Existing Equipment	Information not provided.	
Switchgear - industrial 800 amp	Component Description: Amount:	Electrical services, installment #1 \$18,150.00

Transformer 3 phase/480v - 300 KVA	Component Description:	Electrical services, installment #1
	Amount:	\$10,275.00
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Other Electrical Service: New Transmitter Electrical Installation	Component Description: Amount:	Transmitter installation, installment #1 \$15,750.00
Remote Control Wiring	Information not provided.	
Remote Control Wiring	Information not provided.	
Other Electrical Service: Aux Transmitter Electrical Installation	Information not provided.	
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Transformer 3 phase/480v - 150 KVA	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	Information not provided.	
Remove Existing Equipment	Information not provided.	

## Antennas

## Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna TFU-25ETT /VP-R 4C160	\$308,530.00	\$218,201.00		\$190,620.90	
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
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
Auxiliary Antenna ALP16M2- HSOC-31	\$124,540.00	\$118,400.00		\$0.00	

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
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
UHF - Lower Power Side Mount, One station antenna - medium power (50- 200 kW), horizontally polarized	\$89,400.00	\$85,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Catalog	N/A	N/A
Sub-total	\$433,070.00	\$336,601.00	N/A	\$190,620.90	N/A
Total for all systems	\$4,893,170.20	\$3,268,626.20	N/A	\$920,703.44	N/A

## Components

Actual Information	
Description	File Name

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description: Amount:	Elbow complex installment #2, line 3 of invoice \$4,634.10
	Component Description: Amount:	Elbow complex installment #1, line 3 of invoice \$4,634.10
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	Component Description: Amount:	Main antenna, installment #1, line 1 of invoice \$90,676.35
	Component Description: Amount:	Main antenna, installment #2, line 1 of invoice \$90,676.35
Sweep test of existing antenna	Information not provided.	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Information not provided.	
Sweep test of existing	Information not provided.	

### **Transmission Line**

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$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	\$7,500.00	\$7,500.00		\$0.00	
RF Sweep Optimization	\$7,500.00	\$7,500.00	Sweep existing line and optimize add fine matcher sections	N/A	N/A
Sub-total	\$330,700.00	\$212,722.50	N/A	\$184,700.26	N/A
Total for all systems	\$4,893,170.20	\$3,268,626.20	N/A	\$920,703.44	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
RF Sweep Optimization	Information not provided.	

# **Tower Equipment and Rigging Costs**

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$657,800.00	\$625,000.00		\$0.00	
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	Catalog	N/A	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	Catalog	N/A	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$25,000.00	Catalog	N/A	N/A
Sub-total	\$657,800.00	\$625,000.00	N/A	\$0.00	N/A
Total for all systems	\$4,893,170.20	\$3,268,626.20	N/A	\$920,703.44	N/A

## Components

Information not provided.

## **Outside Professional Services**

#### Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$228,535.00	\$217,250.00		\$26,161.50	
Prepare and File FCC Progress Reports	\$21,000.00	\$21,000.00	Prepare and file FCC Progress Reports	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	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
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 - 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), Construction Permit Application\$5,260.00\$5,000.00CatalogN/AN/ARF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application\$1,580.00\$1,500.00CatalogN/AN/APrepare engineering section of FCC Form 2100, License to Cover Application\$1,580.00\$1,500.00CatalogN/AN/APrepare engineering section of FCC Form 2100, License to Cover Application\$1,580.00\$1,500.00CatalogN/AN/ARF Consulting engineering section of FCC Form 2100, (main), License to Cover Application\$1,580.00\$2,000.00CatalogN/AN/ARF Consulting engineering section of FCC Form 2100, (main), License to Cover\$2,105.00\$2,000.00CatalogN/AN/ARF Consulting engineering section of FCC Form 2100, Construction Permit Application\$3,155.00\$3,000.00Catalog\$2,500.00N/APrepare engineering section of FCC Form 2100, Construction Permit Application\$3,155.00\$3,000.00Catalog\$2,500.00N/APrepare engineering section of FCC Form 2100, Construction Permit Application\$3,155.00\$3,000.00Catalog\$2,500.00N/A						
Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application\$1,580.00\$1,500.00CatalogN/AN/APrepare engineering section of FCC Form 2100 (main), License to Cover Application\$1,500.00CatalogN/AN/ARF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction\$2,105.00\$2,000.00CatalogN/AN/ARF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application\$3,155.00\$3,000.00Catalog\$2,500.00N/APrepare engineering section of FCC Form 2100, Construction Permit Application\$3,155.00\$3,000.00Catalog\$2,500.00N/APrepare engineering section of FCC Form 2100, (main), Construction Permit\$3,155.00\$3,000.00Catalog\$2,500.00N/A	Prepare and File FCC Form 2100 (main), Construction Permit	\$5,260.00	\$5,000.00	Catalog	N/A	N/A
engineering section of FCC Form 2100 (main), License to Cover Application RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application Prepare engineering section of FCC Form 2100, Construction Permit Application	Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover	\$1,580.00	\$1,500.00	Catalog	N/A	N/A
Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application Prepare engineering section of FCC Form 2100, Construction Permit Application	engineering section of FCC Form 2100 (main), License to Cover	\$1,580.00	\$1,500.00	Catalog	N/A	N/A
engineering section of FCC Form 2100 (main), Construction Permit	Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit	\$2,105.00	\$2,000.00	Catalog	N/A	N/A
	engineering section of FCC Form 2100 (main), Construction Permit	\$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
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
Project management of the transition	\$79,000.00	\$75,000.00	Catalog	\$23,661.50	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	Catalog	N/A	N/A
Sub-total	\$228,535.00	\$217,250.00	N/A	\$26,161.50	N/A
Total for all systems	\$4,893,170.20	\$3,268,626.20	N/A	\$920,703.44	N/A

## Components

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Actual Information Description	File Name
Prepare and File FCC Progress Reports	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.

Perform engineering study Information not p	provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application Amount:	scription: Prepare engineering section of FCC Form 2100, item 5 from invoice summary \$2,500.00
RF Consulting EngineerInformation not pFees- Aux Antenna:Prepare engineering sectionof FCC Form 2100,Construction PermitApplicationInformation not p	rovided.
Prepare engineering section Information not p of FCC Form 2100 (main), License to Cover Application	provided.
RF Consulting EngineerInformation not pFees- Aux Antenna:Prepare engineering sectionof FCC Form 2100, Licenseto Cover Application	provided.
Attorney Fees - Prepare and Information not p File FCC Form 2100 (main), Construction Permit Application	provided.
Attorney Fees - AuxInformation not pAntenna, prepare and FileForm 2100 ConstructionPermit or LicenseApplication	rovided.
Attorney Fees -Prepare andInformation not pFile FCC Form 2100 (main),License to Cover Application	provided.
Attorney Fees - Prepare andInformation not pFile request for SpecialTemporary Authorization	provided.

Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	Information not provided.	
Project management of the transition	Component Description:	Various project management services, item 6 from invoice
	Amount:	summary \$1,049.00
	Component Description:	Project management services 3.2.19 through 3.29.19
	Amount:	\$6,075.00
	Component Description:	Project management services 2.1.19 through 3.1.19
	Amount:	\$1,425.00
	Component Description:	Project management services 9.29.18 through 10.26.18
	Amount:	\$1,200.00
	Component Description:	Project management services 10.27.1
		through 11.30.18

Component Description: Amount:	Project management services 1.1.19 through 1.31.19. \$2,475.00
Component Description: Amount:	Project management services 12.1.18 through 12.31.18 \$75.00
Component Description: Amount:	Project management services 6.30.18 through 7.27.18 \$225.00
Component Description: Amount:	Prepare FCC Schedule 387, item 4 from invoice summary \$150.00
Component Description: Amount:	Prepare FCC Schedule 387, item 2 from invoice summary \$300.00
Component Description: Amount:	Project management services various, item 1 from invoice summary \$8,437.50

	Component Description: Amount:	Project management services 7.28.18 through 9.28.18 \$1,950.00
	Component Description: Amount:	Prepare FCC Schedule 387, item 3 from invoice summary \$150.00
Prepare request for Special Temporary Authorization	Information not provided.	

## **Other Expenses**

## Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$267,580.00	\$267,015.00		\$51,743.08	
Sales and Use Tax	\$172,000.00	\$172,000.00	Estimated sales and use tax using OH effective tax rates	\$25,952.64	N/A
MVPD Notification of Channel Change	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	\$1,500.00	\$1,500.00	N/A	N/A	N/A
Equipment Storage	\$12,000.00	\$12,000.00	Equipment storage until needed on site	N/A	N/A
Equipment Delivery and Handling Charges	\$25,000.00	\$25,000.00	equipment shipping and delivery	\$790.44	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

Non-zoning permits	\$15,000.00	\$15,000.00	local permits for mechanicals	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	Catalog	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	Catalog	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	Catalog	N/A	N/A
Sub-total	\$267,580.00	\$267,015.00	N/A	\$51,743.08	N/A
Total for all systems	\$4,893,170.20	\$3,268,626.20	N/A	\$920,703.44	N/A

# Components

Actual Information Description	File Name	
Sales and Use Tax		
	Component Description:	Sales tax on transmitter,
		installment #1
	Amount:	\$25,952.64
	Component Description:	Tax on
		transmitter, installment #1
	Amount:	\$25,952.64
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	

Equipment Delivery and		
Equipment Delivery and Handling Charges	Component Description: Amount:	Voltage regulato shipping cost \$790.44
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description: Amount:	Disposal costs \$25,000.00
Non-zoning permits	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
DTV Medical Facility Notification	Information not provided.	

Cost Information	Grand Total				
		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$4,893,170.20	\$3,268,626.20	\$920,703.44	

Reimbursem	entestiatus	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	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
		<ol> <li>The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>The above-named</li> </ol>	
		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).
- The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
- 7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
I declare, under penalty of perjury, that I am an authorized representative of the above- named applicant for the Authorization(s) specified above.	Thomas J. Vaughan President 05/21/2019

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Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol> <li>The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> </ol>	
		2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.	
		3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

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

8.	The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.	
9.	The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
an au name	are, under penalty of perjury, that I am thorized representative of the above- d applicant for the Authorization(s) ïed above.	Thomas J. Vaughan President 05/21/2019

# Attachments