

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 5 ID: File Number:	1568 000002	Service: DTV 7336	Call Sign:	WTXF-TV	Channel: 31 (UHF)
FRN: 00057	95067	Date	09/10		
		Submitted:	/2020		

Applicant Name, Type, and Contact Information

Applicant Information

Joe DiScipio			
	+1 (202)	Joe.	Limited
400 N. CAPITOL	824-6522	Discipio@fox.	Liability
STREET, NW		com	Company
SUITE 890			
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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
	Dennis Wallace Managing Partner Meintel, Sgrignoli & Wallace, LLC	Dennis Wallace 1282 Smallwood Drive Suite 372 Waldorf, MD 20603	+1 (202) 251- 7589	Dennis. Wallace@mswdtv.com
		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	WTXF will change channel of its licensed Aux facilities with new antenna, transmission line and transmitter. It will operate on its new channel from Aux facilities while the main site main antenna, aux antenna, tx line, and transmitters are changed.

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

Primary Existing Transmitter Information

Transmitter	Section	Question	Response
	Existing Transmitter Description	Type of change	Retune Existing
		Use	Primary (Main)
		Ownership	Owned
		Owner	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	Thales

Model	Paragon P3
Year	2007
Туре	Inductive Output Tube
IOT Power Type	Three
Power capacity	75 kW

Primary	Retuning Transmitter Cos	Retuning Transmitter Costs				
Transmitter	Section	Question	Response			
	New IOT Tubes	Number of Tubes (including accessories) needed	3			
	New Mask Filter	Power	90 kW			
		Other Power	N/A			
	New Exciter	Is a new exciter needed?	Yes			
		Exciter Type	Dual exciter with changeover			

Primary Other Transmitter Costs

Transmitter	Section	Question	Response
	Electrical Service	Service Entrance (3 phases 800A 208V) Switchgear (industrial 800 amp) Transformer (480V)	No
			No
			No
		Power	N/A
		Rigid Conduit and Wiring	No
		Size	N/A
		Length	N/A
		Other Electrical Service	No

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

Primary Transmitter	Other Transmitter Cost Not Listed	er Transmitter Cost Not Listed		
	Name	Description		

Third Exciter	Additional Exciter
Comark Retuning Estimate	Comark Retuning Estimate

Auxiliary	Existing Transmitter Information			
Transmitter	Section	Question	Response	
	Existing Transmitter Description	Type of change	Purchase New	
		Use	Auxiliary (Backup)	
		Description of Use	Licensed Aux Site	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
		Is this transmitter currently shared with another station?	No	
		Is this transmitter currently in operating condition?	Yes	
	Existing Transmitter	Manufacturer		
	Manufacturer and Type	Model	DCX P3	
		Year	1998	
		Туре	Inductive Output Tube	
		IOT Power Type	Three	
		Power Capacity	75 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?	Yes	
		Manufacturer		
		Model	THU9-40 EVO	
		Transmitter Type	Other Type	
		Other Transmitter Type	Liquid Cooled UHF	
		Power capacity	61 kW	
		Justification for New Transmitter	Previously planned to re-tune Comark transmitter but vendor issued end of life certificate. Transmitter no longer supported.	

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	500 kVA
		Rigid Conduit and Wiring	Yes

	Size	3 inches
	Length	200.0 feet
	Other Electrical Service	Yes
	Description	Installation Electrical for new transmitter.
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 Mame

•	Name	Description
	Remote Control Wiring	Wire up existing remote control to new transmitter.
	Remove Existing Equipment	Remove Existing Equipment

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

Auxiliary	Add Antenna Information			
Antenna	Section	Question	Response	
	Existing Antenna Description	Type of change	Purchase New	
		Antenna Use	Auxiliary (Backup)	
		Description of Use	Licensed Aux Site Antenna	
		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?	Yes	
	Existing Antenna	Class	Full Power	
	Manufacturer and Type	Mounting	Top Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Circular	
		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	ATW22H3- ETO-42H
Year	1999

Auxiliary Antenna	New Antenna Costs			
	Section	Question	Response	
	New Antenna Description	Use	Auxiliary (Backup)	
		Description of Use	Licensed 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?	No	
		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)	1000.0 kW	
		Manufacturer		

Model	ATW18HS3 ETO-31H
Year	2017
Justification for New Antenna	New Antenna for Licensed Aux Facility for new Channel.

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?	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	

Other Antenna Costs

Auxiliary
AntennaOther Antenna Cost Not ListedInformation not provided.

Auxiliary	Add Antenna Information			
Antenna	Section	Question	Response	
	Existing Antenna Description	Type of change	Purchase New	
		Antenna Use	Auxiliary (Backup)	
		Description of Use	Main Site Backup Antenna	
		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?	Yes	
	Existing Antenna Manufacturer and Type	Class	Full Power	
		Mounting	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Elliptical	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels	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)	530.0 kW
Manufacturer	
Model	ATW22H3- ESC2-42H
Year	2007

Auxiliary Antenna	New Antenna Costs			
	Section	Question	Response	
	New Antenna Description	Use	Auxiliary (Backup)	
		Description of Use	Main Site Backup 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?	No	
		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	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)	530.0 kW	
		Manufacturer		

Model	ALP12L1- ESP-25
Year	2019
Justification for New Antenna	New Antenna for Main Site Backup Antenna for new RF Channel. Existing slot will not work on new channel. See quote 0919_ERI 20180822- 046 Rev A

Auxiliary Other Antenna Costs

Auxilialy				
Antenna	Section	Question	Response	
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?		
		Туре		
		Number of channels supported	N/A	
		Frequencies of channels supported	N/A	
		Frequency	N/A	
		Do you need a combiner output splitter /switcher for dual feed lines?	N/A	
	Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes	
		Broadband or Single Channel?	Single Channel	
		Feed Line Size	6 1/8 inches inches	

Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Other Antenna Cost Not Listed

Auxiliary Antenna Information not provided.

Primary	Existing Antenna Information			
Antenna	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	Elliptical	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels	N/A	
		Design power capacity in use	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	620.0 kW	

Manufacturer	
Model	ATW12HS3- ETOC-42S
Year	2009

Primary	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	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	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)	499.0 kW	
		Manufacturer		

Model	ATW18HS9 ETO-31H
Year	2017
Justification for New Antenna	Existing antenna will not work on the new channel and will require replacement

Primary 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?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	8 3/16 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
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Primary Other Antenna Cost Not Listed

Antenna Information not provided.

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

Auxiliary	Existing Transmission Lin	ne	
Transmissio	n Section	Question	Response
	Existing Transmission Line Description	Type of change	Purchase New
		Use	Auxiliary (Backup)
		Description of Use	Licensed Aux Site Antenna Line
		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	6 1/8 inches
		Other Diameter	N/A
		Segment Length	19 1/2 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	400 feet per run

Auxiliary	New Transmission Line		
Transmissio	Section	Question	Response
	New Transmission Line Costs	Use	Auxiliary (Backup)
		Description of Use	Licensed Aux Antenna Line
		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	400 feet per run
		Justification for New Transmission Line	New channel requires 20Ft Lengths. Existing line is 19.5 ft lengths. will not work for new channel.

Auxiliary	Existing Transmission Li	ne	Response Purchase New		
Transmissio	n Line Section	Question	Response		
	Existing Transmission Line Description	Type of change			
		Use	Auxiliary (Backup)		
		Description of Use	Main Site Backup Antenna Line		
		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	Manufacturer			
	Type	Туре	Rigid		
		Diameter	6 1/8 inches		
		Other Diameter	N/A		
		Segment Length	19 1/2 inches		
		Other Segment Length	N/A		
		Number of parallel runs	1		
		Length	1100 feet per run		

Auxiliary	New Transmission Line		
Transmissio	n Line Section	Question	Response
	New Transmission Line Costs	Use	Auxiliary (Backup)
		Description of Use	Main Site Backup Antenna
		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	1100 feet per run
		Justification for New Transmission Line	New channel requires 20' lengths. Old channel was 19.5'. Replacement of transmission line required for new channel.

Auxiliary Other Transmission Line Expenses Not Listed Transmission

Primary	Existing Transmission Lin	ne			
Transmissio	n Line Section	Question	Response		
	Existing Transmission Line Description	Type of change	Purchase New		
		Use	Primary (Main)		
		Description of Use	N/A		
		Ownership	Owned		
		Owner	N/A		
		Site	N/A		
		Is the existing transmission line shared with another station or stations?	No		
		Is Transmission Line in operating condition?	Yes		
	Existing Transmission	Manufacturer			
	Line Manufacturer and Type	Туре	Rigid		
		Diameter	8 3/16 inches		
		Other Diameter	N/A		
		Segment Length	19 1/2 inches		
		Other Segment Length	N/A		
		Number of parallel runs	1		
		Length	1350 feet per run		

Primary	New Transmission Line		
Transmissio	n 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	8 3/16 inches
		Other Diameter	N/A
		Segment Length	20 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	1350 feet per run
		Justification for New Transmission Line	New Channel requires 20' lengths. Existing line will not work on new channel.

Other Transmission Line Expenses Not Listed Other Transmission I 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

iliary	Existing	Tower

Auxiliary	Existing Tower		Response Modify Existing		
Tower	Section	Question	Response		
	Existing Tower Description	Type of change			
		Tower Use	Auxiliary (Backup)		
		Description of Use	Licensed Aux Site		
		Ownership	Leased		
		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	Do you have a tower registration number?	Yes		
	Registration	ASR Number	1026546		
Coordinates (<u>NAD83</u> (North American Datum of 1983))	North American Datum of	Latitude (NAD83)	40° 03' 29.7" N-		
	Longitude (NAD83)	075° 14' 19.2" W-			
		Overall Structure Height	382.87 feet		
		Support Structure Height	311.02 feet		

Ground Elevation Above Mean Sea Level (AMSL)	410.76 feet
Structure Type	LTOWER - Lattice Tower
Tower Owner	American Tower, LLC
Date Constructed	12/01/2008

Tower Modification Costs Auxiliary Tower

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:	Minor Reinforcements needed

Tower Rigging Costs Auxiliary

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

Other Tower Expenses Not Listed

Auxiliary Tower Information not provided.

Auxiliary Tower	Existing Tower			
	Section	Question	Response	
	Existing Tower Description	Type of change	Move Equipment	
		Tower Use	Auxiliary (Backup)	
		Description of Use	Main Site Backup Antenna	
		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 Do you have a tower registration num Registration	Do you have a tower registration number?	Yes	
	Registration	ASR Number	1037800	
	Coordinates (NAD83 (North American Datum of	Latitude (NAD83)	40° 02' 26.0" N-	
	1983))	Longitude (NAD83)	(Backup)Main Site Backup AntennaOwnedNoNoNoN/AN/AUnknownYes103780040° 02'	
		Overall Structure Height	1124.99 feet	
		Support Structure Height	1076.43 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	225.06 feet	
		Structure Type	Free Standing or Guyed	

Tower Owner	Fox Television Stations, LLC
Date Constructed	06/12/2009

Tower Rigging Costs Auxiliary Tower

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

Other Tower Expenses Not Listed

Auxiliary Tower Information not provided.

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?		
		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	Do you have a tower registration number?	Yes	
	Registration	ASR Number	1037800	
	Coordinates (<u>NAD83</u> (North American Datum of 1983))	Latitude (NAD83)	40° 02' 26.0" N-	
		Longitude (NAD83)	075° 14' 18.0" W-	
		Overall Structure Height	1124.99 feet	
		Support Structure Height	Modify Existing Primary (Main) N/A Owned No N/A N/A N/A Unknown Unknown Unknown Yes 1037800 40° 02' 26.0" N-	
		Ground Elevation Above Mean Sea Level (AMSL)	225.06 feet	
		Structure Type	Free Standing or Guyed	

	Tower Owner	Fox Television Stations, LLC
	Date Constructed	06/12/2009

Primary Tower Modification Costs

Tower	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:	Minor Reinforcements needed

Primary Tower Rigging Costs

Tower

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

Primary Other Tower Expenses Not Listed

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	650
		Explanation	Outside project management of project required.
	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	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	Yes
	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				
Professiona	I Services Costs	Description			
	FCC Progress Reporting	Prepare and file FCC Progress Reports. See attached quote.			

Other	Section	Question	Response
Expenses	AM Pattern Disturbance	Is an Impact Study needed?	Yes
		Is Remediation needed?	Yes
	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	Yes
		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 Not Listed

Expenses Information not provided.

Transmitters

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter Paragon P3	\$1,050,495.00	\$1,000,245.00		\$0.00	
Comark Retuning Estimate	\$0.00	\$0.00	Comark Retuning Estimate: Itemized below. See attached quote.	N/A	N/A
Third Exciter	\$45,245.00	\$45,245.00	Main Transmitter site has 3 exciters. See attached Comark Quote for Price.	N/A	N/A
Dual exciter system with change over	\$47,350.00	\$45,000.00	Catalog	N/A	N/A
90 kW mask filter	\$99,900.00	\$95,000.00	Catalog	N/A	N/A
3 IOT Tubes	\$382,500.00	\$363,000.00	See attached Comark Quote.	N/A	N/A
Three IOT system (75 kW)	\$475,500.00	\$452,000.00	See attached Comark Quote	N/A	N/A

Auxiliary Transmitter THU9-40 EVO	\$2,206,950.55	\$1,446,977.10		\$1,179,813.00	
Remove Existing Equipment	\$26,404.00	\$26,404.00	Removal of existing equipment.	\$13,202.00	N/A
Remote Control Wiring	\$3,600.00	\$3,600.00	Wire up existing remote control to new transmitter. See attached vendor quote.	N/A	N/A
Other Electrical Service: Installation Electrical for new transmitter.	\$45,120.00	\$45,120.00	Estimated Electrical for transmitter installation. Based upon quote from similar scope project for another Fox station. This is a good faith estimate based upon similar work scope.	N/A	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$10,400.00	\$9,800.00	Catalog	N/A	N/A
Liquid Cooled UHF	\$658,026.55	\$658,026.55	N/A	\$508,584.45	N/A

Transformer 3 phase /480v - 500 KVA	\$48,400.00	\$46,000.00	Catalog	N/A	N/A
Three IOT system (75 kW)	\$1,415,000.00	\$658,026.55	***System Notice: Estimate adjusted and locked because line has been superseded. ***See Rohde and Schwarz quotes attached to invoice #802- 054178.1	\$658,026.55	N/A
Sub-total	\$3,257,445.55	\$2,447,222.10	N/A	\$1,179,813.00	N/A
Total for all systems	\$6,367,920.55	\$5,133,793.49	N/A	\$1,497,005.20	N/A

Actual Information Description	File Name
Comark Retuning Estimate	Information not provided.
Third Exciter	Information not provided.
Dual exciter system with change over	Information not provided.
90 kW mask filter	Information not provided.
3 IOT Tubes	Information not provided.
Three IOT system (75 kW)	Information not provided.

	Component Description:	Demolition of
		Analog
		Transmitter- 50%
		down payment.
	Amount:	\$13,202.00
Remote Control Wiring	Information not provided.	
Other Electrical Service:	Information not provided.	
Installation Electrical for new transmitter.		
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Liquid Cooled UHF		
	Component Description:	30% down aux
		transmitter.
		Includes variance
		sheet which
		adjusts request
		due to previous
		payment.
	Amount:	\$275,262.25
	Component Description:	10% upon proof c
		performance.
		Includes variance
		sheet for upgrade
	Amount:	\$116,661.10
	Component Description:	Final 10% aux
		transmitter.
		Includes variance
		sheet for upgrade
	Amount:	\$116,661.10
Transformer 3 phase/480v -	Information not provided.	

Three IOT system (75 kW)		
	Component Description:	Aux transmitter
		final 10%
	Amount:	N/A
	Component Description:	Aux Transmitter 10% down upon
		successful proof of performance
	Amount:	N/A
	Component Description:	Aux Transmitter 30% down upon
		delivery of all products
	Amount:	N/A
	Component Description:	Broadcast
		Transmitter
		system 50% down
	Amount:	payment
	Amount.	\$658,026.55

Antennas

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual C Justifica
Primary Antenna ATW18HS9- ETO-31H	\$311,480.00	\$317,251.07		\$153,651.07	
Sweep test of existing antenna	\$6,730.00	\$4,375.00	This cost was reduced. Initial down payment (\$1,875.00) was paid under the antenna category. See attached 052919_narrative. Also see attached ERI _Quote_20171211- 538 Rev C.	\$0.00	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$298,376.07	This cost includes antenna and the first down payment for transmission line and sweep that was paid. See attached 052919_narrative. Also see attached ERI _Quote_20171211- 538 Rev C.	\$153,651.07	N/A
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	\$15,250.00	\$14,500.00	Catalog	N/A	N/A

Auxiliary Antenna ATW18HS3- ETO-31H	\$308,530.00	\$222,446.13		\$79,221.13	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$204,346.13	This cost includes antenna and the first down payment for transmission line that was paid. See attached 052919_narrative. Also see attached ERI _Quote_20171211- 540 Rev E.	\$79,221.13	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$11,700.00	Catalog	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Catalog	N/A	N/A
Auxiliary Antenna ALP12L1- ESP-25	\$272,440.00	\$270,100.00		\$0.00	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$11,700.00	Catalog	N/A	N/A

Sweep test of existing antenna	\$6,730.00	\$6,400.00	Catalog	N/A	N/A
UHF - High Power, Side Mount, basic slot antenna, 530 kW input, elliptically or circularly polarized	\$225,000.00	\$225,000.00	Catalog	\$0.00	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
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
Sub-total	\$892,450.00	\$809,797.20	N/A	\$232,872.20	N/A
Total for all systems	\$6,367,920.55	\$5,133,793.49	N/A	\$1,497,005.20	N/A

Actual Information Description	File Name	
Sweep test of existing		
antenna	Component Description:	30% of System Sweep amount (\$6,250 times 30% equals \$1,875). Inv includes transmission line system & antenna amts which will be submitted for reimb under each of the appropriate cost categories (Antenna, antenna sweep and
	Amount:	transmission line). \$1,875.00
UHF - High Power Top		
Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	Component Description:	30% of antenna amount (\$206,750 times 30% equals \$62,025). Inv includes transmission line system & system sweep amts which will be submitted for reimb under each of the appropriate cost categories (Antenna, antenna sweep and transmission line). \$62,025.00
	Component Description:	Transmitting
		Antenna and system sweep- 30% down payment
	Amount:	\$153,651.07

Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	Information not provided.	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	Component Description:	Trasar Antenna- Transmission Line System 30% down payment
	Amount:	\$79,221.13
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.	
Sweep test of existing antenna	Information not provided.	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.	
Sweep test of existing antenna	Information not provided.	
UHF - High Power, Side Mount, basic slot antenna, 530 kW input, elliptically or circularly polarized	Component Description: Amount:	UHF Antenna- 50% deposit \$14,506.00
	Component Description:	UHF Antenna- remaining balance due
	Amount:	\$15,161.88
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.	

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 C Justifica
Primary Transmission Line	\$468,450.00	\$209,419.19		\$0.00	
Rigid Transmission Line - copper, 8 3 /16"	\$468,450.00	\$209,419.19	This cost was reduced. Initial down payment (\$89,751.07) was paid under the antenna category. See attached 052919_narrative. Also see attached ERI _Quote_20171211- 538 Rev C.	\$0.00	N/A
Auxiliary Transmission Line	\$80,800.00	\$76,800.00		\$0.00	
Rigid Transmission Line - copper, 6 1/8"	\$80,800.00	\$76,800.00	Catalog	N/A	N/A
Auxiliary Transmission Line	\$222,200.00	\$211,200.00		\$0.00	
Rigid Transmission Line - copper, 6 1/8"	\$222,200.00	\$211,200.00	Catalog	N/A	N/A
Sub-total	\$771,450.00	\$497,419.19	N/A	\$0.00	N/A
Total for all systems	\$6,367,920.55	\$5,133,793.49	N/A	\$1,497,005.20	N/A

Description	File Name	
Rigid Transmission Line -		
copper, 8 3/16"	Component Description:	30% of
		transmission line
		system amount
		(\$299,170.25
		times 30%equals
		\$89,751.07). Inv
		includes antenna
		& system sweep
		amts which will be
		submitted for
		reimb under each
		of the appropriate
		cost categories
		(Antenna, antenna
		sweep and
		transmission line).
	Amount:	\$89,751.07
Rigid Transmission Line - copper, 6 1/8"	Information not provided.	
Rigid Transmission Line - copper, 6 1/8"	Information not provided.	

Tower Equipment and Rigging Costs

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co Justificati
Primary Tower TOWER	\$605,300.00	\$576,820.00		\$26,820.00	
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$26,820.00	Catalog. Mapping Main Transmitter Site Tower.	\$26,820.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$400,000.00	Catalog. Main Transmitter Site Complex Antenna Removal and Installation of new Main Transmitting Antenna and associated rigging costs.	N/A	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	Catalog. Main Transmitter Site Tower Structural Steel Modifications and Reinforcement.	N/A	N/A
Auxiliary Tower TOWER	\$210,500.00	\$200,000.00		\$0.00	

Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	Catalog. Tower Work, Rigging, and Installation for Aux Antenna Side Mount at Main Transmitter Site.	N/A	N/A
Auxiliary Tower LTOWER	\$268,500.00	\$255,000.00		\$0.00	
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	Catalog. Structural Reinforcement and Modifications Required for Aux Site Tower.	N/A	N/A
Short Tower (less than 500')	\$84,200.00	\$80,000.00	Catalog. Rigging and Installation costs for Aux Tower Site.	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. Mapping Aux Site Tower.	N/A	N/A
Sub-total	\$1,084,300.00	\$1,031,820.00	N/A	\$26,820.00	N/A
Total for all systems	\$6,367,920.55	\$5,133,793.49	N/A	\$1,497,005.20	N/A

Actual Information	
Description	

File Name

Tower mapping for an undocumented/poorly documented tower and preparation of	Component Description:	Structuring Engineering Tower Load Stud
documentation necessary for tower load study	Amount:	\$10,475.00
	Component Description: Amount:	Tower Mapping \$16,345.00
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.	
Minor tower reinforcement /modifications	Information not provided.	
Tall Tower (greater than 500')	Information not provided.	
Minor tower reinforcement /modifications	Information not provided.	
Short Tower (less than 500')	Information not provided.	
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.	

Outside Professional Services

Cost Information

Description Outside Professional	Predetermined Cost Estimate \$256,645.00	Estimated Cost \$243,950.00	Estimated Cost Justification	Actual Cost \$57,500.00	Actual Cost Justification
Services					
FCC Progress Reporting	\$21,200.00	\$21,200.00	Quarterly Progress Reports to FCC Preparation and Filing. See attached vendor quote.	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	Catalog	\$57,500.00	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 - Negotiation of lease and other matters for shared locations	\$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 - 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	\$5,000.00	Catalog	N/A	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	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

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	N/A	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	\$102,700.00	\$97,500.00	Catalog	N/A	N/A
Sub-total	\$256,645.00	\$243,950.00	N/A	\$57,500.00	N/A
Total for all	\$6,367,920.55	\$5,133,793.49	N/A	\$1,497,005.20	N/A

Actual Information Description	File Name	
FCC Progress Reporting	Information not provided.	
Comprehensive coverage verification via field study, if needed	Component Description: Amount:	Full site Survey 4 Cabinent Transmitter \$57,500.00
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	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), Construction Permit Application	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	

F e F	RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.
c (Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
fe	Perform engineering study or new channel assignment and antenna development	Information not provided.
С	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 ransition	Information not provided.

Other Expenses

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$105,630.00	\$103,585.00		\$0.00	
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	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$15,000.00	\$15,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$20,000.00	\$20,000.00	Disposal of old equipment. Two sites.	N/A	N/A
Non-zoning permits	\$12,000.00	\$12,000.00	Local Permits for mechanicals including electrical, HVAC, fire protection, and plumbing permits.	N/A	N/A

FCC Filing Fees - Special	\$195.00	\$190.00	Catalog	N/A	N/A
Temporary Authorization request					
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	Catalog	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	Catalog	N/A	N/A
AM Pattern Disturbance Remedy	\$21,050.00	\$20,000.00	Catalog	N/A	N/A
AM Pattern Disturbance Impact study	\$7,890.00	\$7,500.00	Catalog	N/A	N/A
Sub-total	\$105,630.00	\$103,585.00	N/A	\$0.00	N/A
Total for all systems	\$6,367,920.55	\$5,133,793.49	N/A	\$1,497,005.20	N/A

Information not provided.

Cost	Grand Total				
Information		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$6,367,920.55	\$5,133,793.49	\$1,497,005.20	

Reimbursem	entestatus	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.	
		 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. 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).
- 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.	Angelo Servedio SVP Controller 09/10/2020

Attachments