

Federal Communications Commission

## (REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility ID: File Number:	13991 000002	Service: <b>DTV</b> 24801	Call Sign:	WFIE	Channel: <b>26 (UHF)</b>
FRN: <b>00</b> 1	18223693	Date Submitted:	12/28 /2020		

### Applicant Name, Type, and Contact Information

## Applicant Information

Applicant	Address	Phone	Email	Applicant Type
<b>Gray Television</b> <b>Licensee, LLC</b> Doing Business As: WFIE	4370 Peachtree Road, NE Atlanta, GA 30319 United States	+1 (812) 426-1414	allfcclms@gray. tv	Limited Liability Company

#### Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email	
[Confidential]				

Preparer Contact	Preparer Contact Name and Information				
Contact Information	Applicant	Address	Phone	Email	
	The Preparer is same as the reimbursement contact.				

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	Install side mount interim antenna and connect to existing tx line Station will reuse existing antenna and install new main transmission line.

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	Emergency Backup		
		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	Ranger		
		Year	2009		
		Туре	Solid State		
		Solid State Cooling	Air Cooled		
		Solid State Power Capacity	1.1 kW		

Auxiliary	New Transmitter Costs	w 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	UAXTE-2		
		Transmitter Type	Solid State		
		Solid State Cooling	Air Cooled		
		Solid State Power capacity	1.1 kW		
		Justification for New Transmitter	Existing Transmitter can not be retuned Manufacturers letter attached		

# Auxiliary Other Transmitter Costs

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

	Description	Install new conduit, wire, pane breakers, and other necessary equipment to provide power to auxiliary transmitter system
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

Other Transmitter Cost Not Listed

AuxiliaryOther Transmitter CoTransmitterInformation not provided.

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 Is this transmitter currently shared with another station? Is this transmitter currently in operating condition?	Site	N/A		
			No		
		Yes			
	Existing Transmitter	Manufacturer			
	Manufacturer and Type	Model	Diamond		
		Year	2002		
		Туре	Solid State		
		Solid State Cooling	Air Cooled		
		Solid State Power Capacity	10 kW		

**Existing Transmitter Information** 

Primary	New Transmitter Costs Primary		
Transmitter	Section	Question	Response
	New Transmitter	Use	Primary (Main)
		Change Type	Purchase New
		Is this a request for upgraded equipment?	No
		Manufacturer	
		Model	ULXTE-16
		Transmitter Type	Solid State
		Solid State Cooling	Liquid Cooled
		Solid State Power capacity	10.3 kW
		Justification for New Transmitter	Existing transmitter can not be retuned Manufacturers letter attached

# Primary Other Transmitter Costs

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

	Description	Install new conduit, wire, panel, breakers, and other necessary equipment to provide power to primary transmitter system
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Heating and Cooling
	Size	10 tons
	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 Other Transmitter Cost Not Listed

Transmitter Information not provided.

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

Primary	Primary Add 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 this antenna currently shared with any other stations?	No	
		Is this antenna directional?	No	
		Is antenna in operating condition?	Yes	
		Is antenna located on or in close proximity to an antenna farm?	No	
	Existing Antenna	Class	Full Power	
	Manufacturer and Type	Mounting	Top Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		Туре	Broadband Panel	
		Number of Stations Supported	1	
		Number of Panels	16	
		Design power capacity in use	50.0 %	
		Lower Limit	470.00 MHz	
		Upper Limit	668.00 MHz	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	168.0 kW	

Manufacturer	
Model	ABBP16H4- HTO-4-14 /46
Year	2003

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?	No	
		Will antenna be located on or in close proximity to an antenna farm?	No	
	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)	200.0 kW	
		Manufacturer		
			1	

Model	ATW33H4- ETO-26L
Year	2020
Justification for New Antenna	Existing antenna could not be retuned to duplicate WFIEs existing coverage contour

# Primary Other Antenna Costs

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?	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?	
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	Other Antenna Cost Not Listed	
Antenna	Name	Description
	New Primary Antenna - Beacon	New Primary Antenna - Beacon
	New Primary Antenna - Custom Interface	New Primary Antenna - Custom Interface

Interim	New Antenna Costs			
Antenna Sect	Section	Question	Response	
	New Antenna Description	Use	Interim	
		Description of Use	N/A	
		Change Type	Purchase New	
		Ownership	Owned	
		Owner	N/A	
		Is antenna shared?	No	
		Is antenna directional?	Yes	
		Will antenna be located on or in close proximity to an antenna farm?	No	
	New Antenna	Class	Full Power	
	Manufacturer and Type	Mounting	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		Туре	Broadband Slot	
		Number of Stations Supported	1	
		Number of Panels/Bays	8	
		Lower Limit	470.00 MHz	
		Upper Limit	608.00 MHz	
		Design power capacity in use	25.0 %	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	229.0 kW	
		Manufacturer		
		Model	TFU-WB8	
		Year	2019	

Justification for New Antenna

### Other Antenna Costs

### Interim Antenna

Section	Question	Response
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 an antenna?	Yes
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

# Interim 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 Transmissio	Add Transmission Line		
	n Line Section	Question	Response
	Existing Transmission Line Description	Type of change	Purchase New
		Use	Auxiliary (Backup)
		Description of Use	Auxiliary transmission line for auxiliary transmitter
		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	Manufacturer	
	Line Manufacturer and Type	Туре	Rigid
		Diameter	6 1/8 inches
		Other Diameter	N/A
		Segment Length	Broadband
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	925 feet per run

Auxiliary	New Transmission Line		
Transmissio	n Line Section	Question	Response
	New Transmission Line Costs	Use	Auxiliary (Backup)
		Description of Use	NEW Auxiliary transmission 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	Broadband
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	925 feet per run
		Justification for New Transmission Line	Existing transmission line will not work on the post repack Channel 26. Analysis info attached. Existing line to be used as interim.

#### Other Transmission Line Expenses Not Listed Auxiliary Transmission to provided.

ransmissio	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	7 3/16 inches
		Other Diameter	N/A
		Segment Length	Broadband
		Other Segment Length	N/A
		Number of parallel runs	1
	Length	925 feet per run	

# Primary Existing Transmission Line

Primary	New Transmission Line			
Transmission	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	925 feet per run	
		Justification for New Transmission Line	Existing transmission line will not work on the post repack Channel 26. Analysis info attached. Existing line to be used as interim.	

Primary 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

marv	Existing	Tower
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Primary	Existing Tower			
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?	Yes	
		Is tower compliant with Rev G?	No	
	Existing Tower Structure	Do you have a tower registration number?	No	
	Registration	ASR Number		
	Coordinates (NAD83 ( North American Datum of	Latitude (NAD83)	37° 53' 14.2" N-	
1:	1983))	Longitude (NAD83)	087° 31' 07.0" W-	
		Overall Structure Height	949.14 feet	
		Support Structure Height	873.02 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	499.99 feet	

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	WFIE, LLC
Date Constructed	05/01/1977

# Primary Tower Section Ouestion

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for 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	N/A
Helicopter Services Required	Are helicopter services required?	No

# Primary Other Tower Expenses Not Listed

**Tower** Information not provided.

Outside	Section	Question	Response
Professional	I Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	595
		Explanation	Pattern analysis Antenna Spec Transmitter Spec Building drawings Installation Supervision Accounting Internal Legal 399 Prep
	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 For Main Facility Prepare engineering section of Form For License to Cover Application	For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare engineering section of Form FCC License to Cover Application	Yes
		For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare request for Special Temporary Authority	Yes
		Quantity	1
		Do you have Distributed Transmission System engineering services?	N/A
		Critical Facility	N/A
		Terrain-Shielded Facility	N/A

Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	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	No
	Address transition timing and coordination issues w/ other stations and wireless providers	No
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	Yes
	Number of Days	1
	Justification	System Sweep

Outside	Other Professional Services Expenses Not Listed		
Professional	Services Costs	Description	
	Security	Equipment Security	

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			
		e       Is an Impact Study needed?       No         Is Remediation needed?       No         Name       N/A         Other Distributed Transmission System Expenses Not listed       N/A         Name       N/A         Is Notification of a Medical Facility required as a result of DTV broadcasting?       Yes				
	Permit and Filing Costs	Local Zoning	No			
		Non-zoning permits	No			
		BLM or NFS Coordination	No			
		FCC Construction Permit Minor Change	No			
		FCC License to Cover Application	No			
		FCC License to Cover ApplicationNoFCC Special Temporary Authority ApplicationNo				
	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			
		Does this relocation require MVPD Notification of a Channel Change?	Yes			

# Other Expenses Not Listed

Other Expenses	Other Expenses Not Listed			
	Name	Description		
	Road repairs	Site road repairs		

## Transmitters

### Cost Information

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

Description Primary Transmitter ULXTE-16	Predetermined Cost Estimate \$636,010.13	Estimated Cost \$510,897.47	Estimated Cost Justification	Actual Cost \$440,906.17	Actual Cost Justification
10 Ton system	\$60,500.00	\$13,450.00	Please see J.E. Shekell, Inc. proposal dated 12- 13-18	\$13,450.00	N/A
Other Electrical Service: Install new conduit, wire, panel, breakers, and other necessary equipment to provide power to primary transmitter system	\$17,260.13	\$17,260.13	Please see WFIE Transmitter- Other Electrical Services Budget Revision Justification Letter	\$17,260.13	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$1,197.93	N/A

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$419,587.34	see Estimated Cost Justification WFIE-110- 1st Primary Transmitter - UHF Liquid Cooled Solid State, 8.2-13 kW V0	\$408,998.11	N/A
Auxiliary Transmitter UAXTE-2	\$192,251.87	\$123,594.67		\$62,642.10	
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$126,000.00	\$60,792.80	Quote attached (GA- 00020810)	\$58,942.30	N/A
Other Electrical Service: Install new conduit, wire, panel, breakers, and other necessary equipment to provide power to auxiliary transmitter system	\$2,501.87	\$2,501.87	Please see WFIE Transmitter- Other Electrical Services Budget Revision Justification Letter	\$2,501.87	N/A
Transformer 3 phase /480v - 150	\$25,550.00	\$24,000.00	N/A	N/A	N/A
KVA					
KVA Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$1,197.93	N/A

Total for all	\$2,416,694.68	\$2,085,118.23	N/A	\$1,071,894.22	N/A
systems					

### Components

Actual Information Description	File Name	
10 Ton system		
	Component Description:	East Equipment Room
	Amount:	\$13,450.00

Switchgear - industrial 800 amp	Component Description:	Added Support for Switcher and Transmission LInes \$1,197.93
Transformer 3 phase/480v - 150 KVA	Information not provided.	
	Amount:	EQUIPMENT. \$1,726.01
	Component Description:	INSTALL CONDUIT AND WIRING FOR NEW TRANSMITTER
	Amount:	\$5,178.04
	Component Description:	Remaining 30% of \$19,762.00 Estimate
	Amount:	/PANELS. \$3,452.03
	Component Description:	INSTALL EQUIPMENT
	Amount:	Estimate \$1,726.01
	Component Description:	10% of \$19,762.00
provide power to primary transmitter system	Amount:	TRANSMITTER EQUIPMENT. \$5,178.04
Other Electrical Service: Install new conduit, wire, panel, breakers, and other necessary equipment to	Component Description:	INSTALL CONDUIT AND WIRING FOR NEW

Component Description: Amount:	A. Transmitter \$92,512.03
Component Description: Amount:	A. Transmitter \$26,496.64
Component Description:	ULXTE-16-E per Quote GA- 00021469
Amount:	\$39,371.20
Component Description:	ULXTE-16-E \$191,561.43
Amount.	\$191,301.43
Component Description: Amount:	Transmitter \$59,056.81
	Amount: Component Description: Amount: Component Description: Amount: Component Description: Amount:

UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	Component Description: Amount:	UAXTE-2-E \$5,261.08
	Component Description:	Transmitter, Mask Filtration Saystem, Electrical,
	Amount:	Installation & Roof \$7,891.62
	Component Description: Amount:	UAXTE-2-R37 \$27,026.51
	Component Description:	A. Transmitter
	Amount:	\$13,318.25
	Component Description:	UAXTE-2-R37
	Amount:	\$5,444.84

Other Electrical Service: Install new conduit, wire,				
panel, breakers, and other necessary equipment to	Component Description:	WFIE-150-1st Auxiliary		
provide power to auxiliary		Transmitter - Other		
transmitter system		Electrical Services		
	Amount:	\$750.56		
	Component Description:	WFIE-150-1st		
		Auxiliary		
		Transmitter - Other		
		Electrical Services		
	Amount:	\$250.19		
	Component Description:	WFIE-150-1st		
	Component Description:	Auxiliary		
		Transmitter - Other		
		Electrical Services		
	Amount:	\$250.19		
	Component Description:			
	Component Description:	WFIE-150-1st Auxiliary		
		Transmitter - Other		
		Electrical Services		
	Amount:	\$500.37		
	Component Description:	WFIE-150-1st		
		Auxiliary		
		Transmitter - Other		
		Electrical Services		
	Amount:	\$750.56		
Transformer 3 phase/480v - 150 KVA	Information not provided.			
Switchgear - industrial 800				
amp	<b>Component Description:</b>	WFIE-150-1st		
		Auxiliary		
		Transmitter - 800		
	Amounti	Amp Switchgear		
	Amount:	\$1,197.93		

### Antennas

### Cost Information

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

Description Interim Antenna TFU-WB8	Predetermined Cost Estimate \$219,380.00	Estimated Cost \$51,870.15	Estimated Cost Justification	Actual Cost \$44,233.65	Actual Cost Justification
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$0.00	included in quote	N/A	N/A
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$44,925.00	Please see the attached invoice from Dielectric #MAN00010	\$37,288.50	N/A
Sweep test of existing antenna	\$6,730.00	\$6,945.15	Per invoices received	\$6,945.15	N/A
Primary Antenna ATW33H4- ETO-26L	\$319,523.91	\$230,126.62		\$2,560.00	

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$200,582.71	Please see Electronics Research, Inc. proposal 20200923- 531 Rev C (plus 6% tax and freight as shown on invoice WFIE-6000)	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,250.00	Please see Electronics Research, Inc. proposal 20200923- 531 Rev C (plus 6% tax and freight as shown on invoice WFIE-6000)	\$2,560.00	N/A
New Primary Antenna - Custom Interface	\$20,492.24	\$20,492.24	Please see Electronics Research, Inc. proposal 20200923- 531 Rev C (plus 6% tax and freight as shown on invoice WFIE-6000)	N/A	N/A

New Primary Antenna - Beacon	\$2,801.67	\$2,801.67	Please see Electronics Research, Inc. proposal 20200923- 531 Rev C (plus 6% tax and freight as shown on invoice WFIE-6000)	N/A	N/A
Sub-total	\$538,903.91	\$281,996.77	N/A	\$46,793.65	N/A
Total for all systems	\$2,416,694.68	\$2,085,118.23	N/A	\$1,071,894.22	N/A

Actual Information Description	File Name
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.

UHF - Lower Power Side Mount, One station - 200- 500 kW, horizontally polarized	Component Description: Amount:	Repack Sweep \$3,840.00
	Component Description:	Antenna, Elbow Complex, Reducer, Transformer, On-
	Amount:	Site Engineer \$27,873.75
	Component Description:	Antenna, elbow complex, reducer, transmission line, transformer, repack sweep
	Amount:	\$5,574.75
Sweep test of existing antenna	Component Description:	Travel, Field
		Service, Meals & Lodging
	Amount:	\$3,105.15
	Component Description:	Interim Antenna - Sweep Test
	Amount:	\$3,200.00
	Component Description:	Interim antenna sweep test
	Amount:	\$640.00
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	Information not provided.	

antenna	Component Description:	WFIE-210-Primar Antenna - Sweep Test
	Amount:	\$2,560.00
New Primary Antenna - Custom Interface	Information not provided.	
New Primary Antenna - Beacon	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	\$186,850.00	\$148,816.50		\$142,244.52	
Rigid Transmission Line - copper, 6 1/8"	\$186,850.00	\$148,816.50	Quote attached	\$142,244.52	N/A
Auxiliary Transmission Line	\$214,600.00	\$133,285.60		\$16,298.56	
Rigid Transmission Line - copper, 6 1 /8" broadband	\$214,600.00	\$133,285.60	Please see the attached invoice from Dielectric #MAN00008	\$16,298.56	N/A
Sub-total	\$401,450.00	\$282,102.10	N/A	\$158,543.08	N/A
Total for all systems	\$2,416,694.68	\$2,085,118.23	N/A	\$1,071,894.22	N/A

Actual Information Description	File Name	
Rigid Transmission Line - copper, 6 1/8"	Component Description: Amount:	Rigid transmission line \$78,213.75

Component Description: Amount:	Rigid transmission line \$14,881.65
Component Description: Amount:	Dehydrator 3200IM 115/60 PSI /KPA \$15,165.58
Component Description:	WFIE-310-Primary Transmission Line - Rigid Copper, 6 1 /8"
Amount:	\$525.20
Component Description:	OTHER FREIGHT, SHIPPING, AND HANDLING
Amount:	\$4,151.71
Component Description: Amount:	Freight, shipping and handling \$2,324.19
Component Description:	OTHER T/L 3-50 240.00 MF EX CONN
Amount:	\$20,400.00
Component Description: Amount:	IN Sales Tax- Invoice 614026 \$62.17
Component Description:	Elbow 3-50 EIA 6.00 X 6.00 CU "QS
Amount:	\$888.16

	Component Description:	Primary Transmission Line - Rigid Copper, 6 1 /8" \$1,842.75
	Component Description: Amount:	Freight, shipping, and handling \$2,500.75
	Component Description: Amount:	T/L 6-75 EIA LENGTH 10' TO 15? FIXED FLG \$1,288.61
	Component Description: Amount:	Rigid transmission line \$13,328.56
Rigid Transmission Line - copper, 6 1/8" broadband	Component Description: Amount:	OTHER FREIGHT, SHIPPING, AND HANDLING \$2,970.00
	Component Description: Amount:	Aux Trans Line \$13,328.56

### **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	\$381,100.00	\$629,317.00		\$204,500.00	
Tall Tower (greater than 500')	\$210,500.00	\$459,317.00	please see Estimated Cost Justification WFIE-410- Existing Primary Tower - Tower Rigging, Tall Tower v0	\$190,000.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$20,000.00	please see Estimated Cost Justification WFIE-410- Existing Primary Tower - Structural Engineering Load Study v0	\$14,500.00	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	\$0.00	N/A
Sub-total	\$381,100.00	\$629,317.00	N/A	\$204,500.00	N/A
Total for all systems	\$2,416,694.68	\$2,085,118.23	N/A	\$1,071,894.22	N/A

Actual Information Description	File Name	
Tall Tower (greater than 500')	Component Description: Amount:	Down Payment \$65,000.00
	Component Description:	Tower Service - Final Balance Installation and removal of transmission line for the FCC Repack project on the 932' G-7 WFIE guyed tower \$125,000.00
Structural engineering tower load study for well documented tower	Component Description: Amount:	Structural analysis \$2,500.00
	Component Description: Amount:	Structural analysis \$2,500.00
	Component Description: Amount:	STNLSA STNL Structural Analysis \$2,000.00
	Component Description: Amount:	STNLSA STNL Structural Analysis \$2,000.00
	Component Description:	Tower Service - Mapping of WFIE for Repack -
	Amount:	Facility ID # 13991 \$5,500.00

Minor tower reinforcement	Information not provided.
/modifications	

## **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 Cc Justificat
Outside Professional Services	\$222,370.00	\$221,201.45		\$140,405.76	
Security	\$12,210.00	\$12,210.00	N/A	\$12,210.00	N/A
Additional Field Engineering Service, 1 Days	\$6,500.00	\$6,500.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$34,066.45	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$34,066.45	please se submitte invoice:
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,000.00	N/A

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$3,901.05	N/A
Project management of the transition	\$94,010.00	\$144,675.00	Widelity Strategic Support Quote	\$87,857.42	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	\$370.84	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Sub-total	\$222,370.00	\$221,201.45	N/A	\$140,405.76	N/A
Total for all systems	\$2,416,694.68	\$2,085,118.23	N/A	\$1,071,894.22	N/A

Actual Information Description	File Name	
Security		
	Component Description:	Security
	Amount:	\$360.00

Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$270.00
Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$360.00
Component Description:	Security
Amount:	\$90.00
Component Description:	Security
Amount:	\$360.00
Component Description:	Security
Amount:	\$360.00
Component Description:	Security
Amount:	\$360.00
Component Description:	Security
Amount:	\$360.00

Component Description:	Security
Amount:	\$360.00
Component Description:	Security
Amount:	\$360.00
Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$360.00
Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$360.00
Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$180.00

Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$360.00
Component Description:	Security
Amount:	\$360.00
Component Description:	Security
Amount:	\$360.00
Component Description:	Security
Amount:	\$150.00
Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$360.00
Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$180.00

Component Description:	Tower Security
Amount:	\$360.00
Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$360.00
Component Description:	Security
Amount:	\$360.00
Component Description:	Security
Amount:	\$360.00
Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$360.00
Component Description:	Security
Amount:	\$360.00
Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$180.00
Component Description:	Security
Amount:	\$180.00

	Component Description: Amount:	Security \$180.00
	Component Description: Amount:	Security \$360.00
Additional Field Engineering Service, 1 Days	Information not provided.	
Comprehensive coverage verification via field study, if needed	Component Description:	Antenna Pattern Reconstitution, Horizontal Polarisation
	Amount:	\$18,459.45
	Component Description:	Ground-Based (ITU 10m/FCC 9. m) Field Strength Measurements
	Amount:	\$15,607.00
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	Preparation of Engineering Section FCC form
	Amount:	2100 \$2,000.00
Perform engineering study for new channel		

Component Description: Amount:	Repack Engineering \$591.66
Component Description: Amount:	Repack Engineering \$335.33
Component Description: Amount:	WFIE-530-RF Eng - Engineering Study for New Channel Assignment \$1,625.00
Component Description: Amount:	Consulting Engineer \$150.00
Component Description: Amount:	Discussions regarding transition to repack Ch-26. \$275.00
Component Description: Amount:	Repack visit to WFIE \$299.06
Component Description: Amount:	Engineering study work for new channel assignment and antenna development. \$500.00

	Component Description: Amount:	Engineering study work for new channel assignment and antenna development. \$125.00
Project management of the transition	Component Description: Amount:	Project Management \$59.03
	Component Description: Amount:	Project Management \$2,379.55
	Component Description: Amount:	Project Management \$2,674.10
	Component Description: Amount:	Project Management \$4,579.10
	Component Description: Amount:	Project Management \$1,580.65
	Component Description: Amount:	Project Management \$71.86
	Component Description: Amount:	Project Management \$2,459.95

Component Description: Amount:	Project Management \$94.97
Component Description: Amount:	Project Management \$2,845.90
Component Description: Amount:	Project Management \$2,288.55
Component Description: Amount:	Project Management \$7,271.20
Component Description: Amount:	Project Management \$38.50
Component Description: Amount:	Project Management \$2,364.40
Component Description: Amount:	Project Management \$3,691.30
Component Description: Amount:	Project Management \$477.41
Component Description: Amount:	Project Management \$2,292.10

Component Description: Amount:	Project management \$2,704.25
Component Description: Amount:	Project Management \$6,367.95
Component Description: Amount:	Project Management \$2,735.45
Component Description: Amount:	Project Management \$2,917.00
Component Description: Amount:	Project Management \$3,032.15
Component Description: Amount:	Project Management \$2,383.45
Component Description: Amount:	Project Management \$2,137.45
Component Description: Amount:	Project Management \$100.10
Component Description: Amount:	Project Management \$2,532.65

Component Description: Amount:	Consulting Engineer \$850.00
Component Description: Amount:	Project Management \$5,649.65
Component Description: Amount:	Project Management \$2,488.75
Component Description: Amount:	Project Management \$1,954.45
Component Description: Amount:	Project Management \$369.60
Component Description: Amount:	Project Management \$3,705.75
Component Description: Amount:	Project Management \$2,825.55
Component Description: Amount:	Project Management \$2,931.00
Component Description: Amount:	Project management \$7,003.65

and File FCC Form 2100 (main), Construction Permit		
Application Prepare request for Special Temporary Authorization	Component Description:	WFIE-530-RF Eng - Special Temporary
	Amount:	Authorization \$370.84
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	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 Co Justificati
Other Expenses	\$44,608.77	\$36,008.77		\$18,103.46	
Road repairs	\$2,638.77	\$2,638.77	Please see the attached invoice from Mitchell Trucking and Excavating, LLC # 2073	\$2,587.30	N/A
Develop and air announcement of upcoming channel change	\$2,850.00	\$2,850.00	estimate for on air rescan announcement production Quote attached	N/A	N/A
Equipment Storage	\$15,000.00	\$15,000.00	Estimate for Dielectric on site antenna storage Dielectric letter attached	\$489.03	N/A
MVPD Notification of Channel Change	\$0.00	\$0.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$2,950.00	Group quote attached	\$2,950.00	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$9,600.00	\$9,600.00	Please see Electrical assistance Inc. estimate 18- 1031-03	\$9,600.00	N/A

Equipment Delivery and Handling Charges	\$2,970.00	\$2,970.00	On site forklift rental estimate Representative quote attached	\$2,477.13	N/A
Sub-total	\$44,608.77	\$36,008.77	N/A	\$18,103.46	N/A
Total for all systems	\$2,416,694.68	\$2,085,118.23	N/A	\$1,071,894.22	N/A

Actual Information Description	File Name	
Road repairs	Component Description: Amount:	6 loads of rock to wathen lane tower 4 loads of dense grade 2 loads of # 8 \$2,587.30
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage	Component Description: Amount:	11/2/2018 Delivery Tow Fee - Henderson \$489.03
MVPD Notification of Channel Change	Information not provided.	
DTV Medical Facility Notification	Component Description: Amount:	Medical Notification \$2,950.00
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description: Amount:	Job Quoted Price \$9,600.00

Equipment Delivery and		
Handling Charges	Component Description:	FREIGHT,
		SHIPPING, AND
		HANDLING
	Amount:	\$2,436.18
	<b>Component Description:</b>	Freight and
		Shipping
	Amount:	\$40.95

Cost Information	Grand Total				
		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$2,416,694.68	\$2,085,118.23	\$1,071,894.22	

Reimbursem	enrestanus	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 entity acknowledges that all certifications and attached documentation are</li> </ol>	
		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.	
an aut nameo	are, under penalty of perjury, that I am horized representative of the above- d applicant for the Authorization(s) ed above.	Robert Folliard , III Assistant Secretary 12/28/2020

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) ied above.	Robert Folliard , III Assistant Secretary 12/28/2020

#### Attachments

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