

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 13991 Service: DTV Call WFIE Channel: 26 (UHF)

Sign:

ID: File

0000024801

Number:

FRN: **0018223693** Date **04/20**

Submitted: /2021

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
Gray Television Licensee, LLC 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 Information

Preparer Contact Name and Information

Applican	Address	Phone	Email

The Preparer is same as the reimbursement contact.

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	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 Transmitter

Add Transmitter Information

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 Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	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 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	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 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

Auxiliary
Transmitter Unformation not provided.

Other Transmitter Cost Not Listed

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	Diamond
	Year	2002
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	10 kW

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	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 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	150 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
		1

	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 Transmitter

Other Transmitter Cost Not Listed

Name	Description	
Primary Transmitter- Other Expenses	Primary Transmitter- Other Expenses	

Antennas

Section	Question	Response
Antenna Related Expenses	Do you have antenna related expenses?	Yes

Add 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 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

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	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	

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

Other Antenna Costs

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

Other Antenna Cost Not Listed

Name	Description
New Primary Antenna - Beacon	New Primary Antenna - Beacon
New Primary Antenna - Custom Interface	New Primary Antenna - Custom Interface

Interim Antenna

New Antenna Costs

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	Interim antenna for use during new line installation and existing antenna being connected and tested on new Channel 26.

Interim Antenna

Other Antenna Costs

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 Antenna

Other Antenna Cost Not Listed

Information not provided.

Transmission ^{Seffien}	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Add Transmission Line

Auxiliary Transmission

Existing Transmission
Existing Transmission

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 Line Manufacturer and Type	Manufacturer	
	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

New Transmission Line

Auxiliary Transmissio

on 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.

Auxiliary Other Transmission Line Expenses Not Listed

Transmission to inetion not provided.

Primary Transmission Line

Existing Transmission Line

on 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	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 New Transmission Line

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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	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 loine tion not provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	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 1983))	Latitude (NAD83)	37° 53' 14.2" N-
	Longitude (NAD83)	087° 31' 07.0" W-
	Overall Structure Height	949.14 fee
	Support Structure Height	873.02 fee
	Ground Elevation Above Mean Sea Level (AMSL)	499.99 fee

Structure Type	TOWER - Free Standing or
	Guyed Structure
Tower Owner	Gray Media Group, Inc.
Date Constructed	05/01/1977

Primary Tower

Tower Modification Costs

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

Tower Rigging Costs

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

Primary Tower

Other Tower Expenses Not Listed

Information not provided.

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	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	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 Services	Prepare and file Form FCC Construction Permit Application	Yes
	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 Professional

Other Professional Services Expenses Not Listed

Services Costs	Description
Security	Equipment Security

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	No
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses

Other Expenses Not Listed

Name	Description	
Road repairs	Site road repairs	

Cost Information

Transmitters

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

			Estimated		
Description	Predetermined Cost Estimate	Estimated Cost	Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter ULXTE-16	\$636,552.63	\$511,439.97		\$441,448.67	
Primary Transmitter- Other Expenses	\$80.00	\$80.00	Please see WFIE Primary Transmitter- Other Expenses Budget Revision Justification Letter	\$80.00	N/A
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	\$17,722.63	\$17,722.63	Please see Estimated Cost Justification WFIE-110- 1st Primary Transmitter - Other Electrical Services v0	\$17,722.63	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
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	N/A	N/A
Auxiliary Transmitter UAXTE-2	\$192,714.37	\$124,057.17		\$63,104.60	
Other Electrical Service: Install new conduit, wire, panel, breakers, and other necessary equipment to provide power to auxiliary transmitter system	\$2,964.37	\$2,964.37	Please see Estimated Cost Justification WFIE-150- 1st Auxiliary Transmitter - Other Electrical Services v0	\$2,964.37	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,000.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$1,197.93	N/A

UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$126,000.00	\$60,792.80	Quote attached (GA- 00020810)	\$58,942.30	N/A
Sub-total	\$829,267.00	\$635,497.14	N/A	\$504,553.27	N/A
Total for all systems	\$2,419,476.34	\$2,405,290.04	N/A	\$1,488,368.24	N/A

Components

Actual Information Description	File Name	
Primary Transmitter- Other Expenses	Component Description: Amount:	Distilled water for new transmitter cooling system \$80.00
10 Ton system	Component Description: Amount:	East Equipment Room \$13,450.00

Other Electrical Service: Install new conduit, wire, panel, breakers, and other necessary equipment to provide power to primary transmitter system

Component Description: INSTALL

CONDUIT AND
WIRING FOR NEW
TRANSMITTER
EQUIPMENT.

Amount: \$5,178.04

Component Description: Project

Management

Amount: \$462.50

Component Description: 10% of \$19,762.00

Estimate

Amount: \$1,726.01

Component Description: INSTALL

EQUIPMENT

/PANELS. \$3,452.03

Amount: \$3,452.03

Component Description: INSTALL

CONDUIT AND
WIRING FOR NEW
TRANSMITTER
EQUIPMENT.

Amount: \$1,726.01

Component Description: Remaining 30% of

\$19,762.00 Estimate

Amount: \$5,178.04

Switchgear - industrial 800 amp

Component Description: Added Support for

Switcher and

Transmission Lines

Amount: \$1,197.93

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 **Component Description:** Transmitter kW \$59,056.81 Amount: **Component Description:** A. Transmitter Amount: \$92,512.03 **Component Description:** A. Transmitter Amount: \$26,496.64 **Component Description:** ULXTE-16-E Amount: \$191,561.43 **Component Description:** ULXTE-16-E per Quote GA-00021469 Amount: \$39,371.20 Transformer 3 phase/480v Information not provided. - 150 KVA

Other Electrical Service: Install new conduit, wire, panel, breakers, and other necessary equipment to provide power to auxiliary transmitter system

WFIE-150-1st **Component Description:**

Auxiliary

Transmitter - Other **Electrical Services**

Amount: \$750.56

Component Description: WFIE-150-1st

Auxiliary

Transmitter - Other **Electrical Services**

Amount: \$462.50

Component Description: WFIE-150-1st

Auxiliary

Transmitter - Other **Electrical Services**

Amount: \$250.19

Component Description: WFIE-150-1st

Auxiliary

Transmitter - Other **Electrical Services**

\$500.37 Amount:

Component Description: WFIE-150-1st

Auxiliary

Transmitter - Other **Electrical Services**

Amount: \$250.19

Component Description: WFIE-150-1st

Auxiliary

Transmitter - Other **Electrical Services**

Amount: \$750.56

Transformer 3 phase/480v

Information not provided.

- 150 KVA

Switchgear - industrial 800 amp	Component Description: Amount:	WFIE-150-1st Auxiliary Transmitter - 800 Amp Switchgear \$1,197.93
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, Installation & Roof
	Amount:	\$7,891.62
	Component Description:	UAXTE-2-R37
	Amount:	\$27,026.51
	Component Description:	UAXTE-2-R37
	Amount:	\$5,444.84
	Component Description:	A. Transmitter
	Amount:	\$13,318.25

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-WB8	\$219,380.00	\$51,870.15		\$44,233.65	
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
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
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		\$102,814.50	

Sweep test of existing antenna	\$6,730.00	\$6,250.00	Please see Electronics Research, Inc. proposal 20200923- 531 Rev D (plus 6% tax and freight as shown on invoice WFIE-6000)	\$5,685.00	N/A
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 D (plus 6% tax and freight as shown on invoice WFIE-6000)	\$86,217.00	N/A
New Primary Antenna - Custom Interface	\$20,492.24	\$20,492.24	Please see Electronics Research, Inc. proposal 20200923- 531 Rev D (plus 6% tax and freight as shown on invoice WFIE-6000)	\$9,600.00	N/A

Primary Antenna -			Electronics Research,		
Beacon			Inc.		
			proposal		
			20200923-		
			531 Rev D		
			(plus 6%		
			tax and		
			freight as		
			shown on		
			invoice		
			WFIE-6000)		
Sub-total	\$538,903.91	\$281,996.77	N/A	\$147,048.15	N/A
Total for	\$2,419,476.34	\$2,405,290.04	N/A	\$1,488,368.24	N/A
all					
systems					

Actual Information Description	File Name	
UHF - Lower Power Side Mount, One station - 200- 500 kW, horizontally polarized	Component Description:	Antenna, elbow complex, reducer, transmission line, transformer, repack sweep
	Amount:	\$5,574.75
	Component Description: Amount:	Repack Sweep \$3,840.00
	Component Description:	Antenna, Elbow Complex, Reducer, Transformer, On-
	Amount:	Site Engineer \$27,873.75

Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	
Sweep test of existing antenna	Component Description:	Travel, Field Service, Meals &
	Amount:	Lodging \$3,105.15
	Component Description:	Interim antenna
	Amount:	sweep test \$640.00
	Component Description:	Interim Antenna - Sweep Test
	Amount:	\$3,200.00
Sweep test of existing antenna	Commence of Descriptions	WEIE 040 Driver
	Component Description:	WFIE-210-Primary Antenna - Sweep Test
	Amount:	\$3,125.00
	Component Description:	WFIE-210-Primary Antenna - Sweep
	Amount:	Test \$2,560.00
UHF - High Power Top Mount (200-1000 kW),		
One station antenna , elliptically or circularly	Component Description:	ATW33H4-ETO-26L TRANSMISSION LINE
polarized	Amount:	\$86,217.00

New Primary Antenna - Custom Interface		
Custom interrace	Component Description:	WFIE-210-Primary
		Antenna - Custom
		Interface
	Amount:	\$9,600.00
New Primary Antenna -		
Beacon	Component Description:	WFIE-210-Primary
	Component 2000 phone	Antenna - Beacon
	Amount:	\$1,312.50

Cost Information

Transmission Line

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

Description Primary	Predetermined Cost Estimate \$186,850.00	Estimated Cost \$292,718.65	Estimated Cost Justification	Actual Cost \$194,932.51	Actual Cost Justification
Transmission Line					
Rigid Transmission Line - copper, 6 1/8"	\$186,850.00	\$292,718.65	please see Estimated Cost Justification WFIE-310- Primary Transmission Line - Rigid Copper V0	\$194,932.51	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	\$426,004.25	N/A	\$211,231.07	N/A
Total for all systems	\$2,419,476.34	\$2,405,290.04	N/A	\$1,488,368.24	N/A

Actual Information Description	File Name	
Rigid Transmission Line - copper, 6 1/8"	Component Description:	WFIE-310-Primary Transmission Line - Rigid Copper, 6 1/8"
	Amount:	\$31,778.76

Component Description: Rigid transmission

line

Amount: \$78,213.75

Component Description: Rigid transmission

line

Amount: \$14,881.65

Component Description: OTHER T/L 3-50

240.00 MF EX

CONN

Amount: \$20,400.00

Component Description: Freight, shipping

and handling

Amount: \$2,324.19

Component Description: TRANSFORMER 6-

50 / 6-75 UHF 3 ST

Amount: \$20,909.23

Component Description: WFIE-310-Primary

Transmission Line -

Rigid Copper, 6 1/8"

Amount: \$525.20

Component Description: T/L 6-75 EIA

LENGTH 10' TO 15? FIXED FLG

Amount: \$1,288.61

Component Description: IN Sales Tax-

Invoice 614026

Amount: \$62.17

Component Description: Primary

Transmission Line -

Rigid Copper, 6 1/8"

Amount: \$1,842.75

Component Description: Rigid transmission

line

Amount: \$13,328.56

Component Description: Freight, shipping,

and handling

Amount: \$2,500.75

Component Description: Dehydrator 3200IM

115/60 PSI/KPA

Amount: \$15,165.58

Component Description: OTHER FREIGHT,

SHIPPING, AND HANDLING

Amount: \$4,151.71

Component Description: Elbow 3-50 EIA

6.00 X 6.00 CU "QS

Amount: \$888.16

Rigid Transmission Line - copper, 6 1/8" broadband

Component Description: OTHER FREIGHT,

SHIPPING, AND HANDLING

Amount: \$2,970.00

Component Description:

Amount:

Aux Trans Line \$13,328.56

Cost Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$381,100.00	\$802,805.00		\$435,652.50	
Tall Tower (greater than 500')	\$210,500.00	\$632,805.00	please see Estimated Cost Justification WFIE-410- Existing Primary Tower - Tower Rigging, Tall Tower v1	\$411,402.50	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	\$20,000.00	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	\$4,250.00	N/A
Sub-total	\$381,100.00	\$802,805.00	N/A	\$435,652.50	N/A
Total for all systems	\$2,419,476.34	\$2,405,290.04	N/A	\$1,488,368.24	N/A

Pilo No.	
File Name	
Component Description:	Down Payment
Amount:	\$65,000.00
Component Description:	WFIE-410-
	Existing Primary
	Tower - Tower
	Rigging, Tall
	Tower
Amount:	\$134,658.50
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
Amount:	\$125,000.00
	,
Component Description:	ATW33H4-ETO-
C3pcc 2000ption.	26L
Amount:	\$86,744.00
	Amount: Component Description: Component Description: Amount: Component Description:

Structural engineering tower load study for well documented tower	Component Description: Amount:	Down PMT 50% \$2,750.00
	Component Description: Amount:	Structural analysis \$2,500.00
	Component Description: Amount:	Final PMT 50% \$2,750.00
	Component Description: Amount:	STNLSA STNL Structural Analysis \$2,000.00
	Component Description: Amount:	STNLSA STNL Structural Analysis \$2,000.00
	Component Description: Amount:	Structural analysis \$2,500.00
	Component Description: Amount:	Tower Service - Mapping of WFIE for Repack - Facility ID # 13991 \$5,500.00
Minor tower reinforcement /modifications	Component Description: Amount:	Down PMT 50% \$2,125.00
	Component Description: Amount:	Final PMT 50% \$2,125.00

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co
Outside Professional Services	\$222,370.00	\$221,201.45		\$169,510.26	
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
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/A

Total for all systems	\$2,419,476.34	\$2,405,290.04	N/A	\$1,488,368.24	N/A
Sub-total	\$222,370.00	\$221,201.45	N/A	\$169,510.26	N/A
Project management of the transition	\$94,010.00	\$144,675.00	Widelity Strategic Support Quote	\$115,982.43	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$4,880.54	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
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	\$370.84	N/A

Actual Information Description	File Name	
Security	Component Description:	Tower 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:** \$150.00

Component Description: Security
Amount: \$360.00

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

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Component Description: Security
Amount: \$180.00

Component Description: Security
Amount: \$360.00

	Component Description: Amount:	Security \$180.00
	Component Description: Amount:	Security \$90.00
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 9.1 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.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
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.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	Preparation of Engineering Section FCC form 2100
	Amount:	\$2,000.00
Perform engineering study for new channel assignment and antenna development	Component Description:	Engineering study work for new channel
		assignment and antenna development.
	Amount:	\$500.00
	Component Description:	Repack Engineering
	Amount:	\$591.66
	Component Description:	Repack Engineering
	Amount:	\$335.33
	Component Description:	WFIE-530-RF En - Engineering Study for New Channel
	Amount:	Assignment \$1,625.00
	Component Description:	Consulting Engineer

Component Description: Engineering study

> work for new channel

assignment and

antenna development.

\$125.00 Amount:

Component Description:

Amount:

Engineer \$850.00

Component Description: Repack

Engineering

Amount: \$129.49

Component Description: Repack visit to

WFIE

\$299.06 Amount:

Component Description: Discussions

> regarding transition to repack Ch-26.

\$275.00

Project management of the transition

Component Description:

Amount:

Project

management

Amount: \$4,760.10

Component Description: Project

Management

Amount: \$2,379.55

Component Description:

Project Management

Amount: \$5,853.30

Component Description: WFIE-510-Project

Management

\$237.16 Amount:

Component Description: Project

Management

Amount: \$4,579.10

Component Description: Project

Management

Amount: \$1,580.65

Component Description: Project

Management

\$3,032.15 **Amount:**

Component Description: Project

Management

Amount: \$2,137.45

Component Description: Project

Management

Amount: \$71.86

Component Description: Project

Management

Amount: \$2,459.95

Component Description: Project

Management

\$94.97 Amount:

Component Description: Project

Management

Amount:

\$2,845.90

Component Description: Project

Management

Amount: \$2,288.55

Component Description: Project

Management

Amount: \$7,271.20

Component Description: Project

Management

Amount: \$38.50

Component Description: Project

Management

Amount: \$2,364.40

Component Description: Project

Management

Amount: \$3,691.30

Component Description: Project

Management

Amount: \$477.41

Component Description: Project

Management

Amount: \$369.60

Component Description: Project

Management

Amount: \$6,367.95

Component Description: Project

Management

Amount: \$2,292.10

Component Description: Project

Management

Amount:

\$6,985.65

Component Description:

Project Management

Amount:

\$2,931.00

Component Description:

Project

Amount:

Management \$2,825.55

Component Description:

Project

Amount:

Management \$3,705.75

Component Description:

Project Management

Amount:

\$100.10

Component Description:

Project

Amount:

Management \$2,674.10

Component Description:

Project management

Amount:

\$7,003.65

Component Description:

Project Management

Amount:

\$1,954.45

Component Description:

Project

Amount:

Management

\$11,138.80

Component Description: Project

Management

Amount: \$59.03

Component Description: Project

Management

Amount: \$2,735.45

Component Description: Project

management

Amount: \$2,704.25

Component Description: Invoice moved to

correct budget

category.

Amount: N/A

Component Description: Project

Management

Amount: \$2,532.65

Component Description: Project

Management

Amount: \$2,488.75

Component Description: Project

Management

Amount: \$5,649.65

Component Description: Project

Management

Amount: \$2,383.45

Component Description: Project

Management

Amount: \$2,917.00

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co
Other Expenses	\$46,385.43	\$37,785.43		\$20,372.99	
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
Equipment Delivery and Handling Charges	\$4,746.66	\$4,746.66	Please see Estimated Cost Justification WFIE-610- Equipment Delivery and Handling v0	\$4,746.66	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

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
Sub-total	\$46,385.43	\$37,785.43	N/A	\$20,372.99	N/A
Total for all systems	\$2,419,476.34	\$2,405,290.04	N/A	\$1,488,368.24	N/A

Actual Information		
Description	File Name	
Road repairs		
	Component Description:	6 loads of rock to wathen lane
		tower 4 loads of
		dense grade 2
		loads of #8
	Amount:	\$2,587.30
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage		
	Component Description:	11/2/2018
	-	Delivery Tow Fee
		- Henderson
	Amount:	\$489.03

Equipment Delivery and Handling Charges		
ranamig Charges	Component Description: Amount:	Pallet Truck \$2,269.53
	Amount.	Ψ2,200.00
	Component Description:	FREIGHT,
		SHIPPING, AND
	Amount:	HANDLING \$2,436.18
	Amount.	⊅∠,43 0.10
	Component Description:	Freight and
		Shipping
	Amount:	\$40.95
Disposal Costs (for		
equipment and other waste, net of any salvage value)	Component Description:	Job Quoted Price
net of any salvage value,	Amount:	\$9,600.00
MVPD Notification of Channel Change	Information not provided.	
DTV Medical Facility		
Notification	Component Description:	Medical
		Notification
	Amount:	\$2,950.00

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,419,476.34	\$2,405,290.04	\$1,488,368.24

Reimbursem	envestiatus	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

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.

- 1. The Authorized
 Person signing
 below certifies that he
 /she is authorized to
 submit this TV
 Broadcaster
 Relocation Fund
 Reimbursement
 Form on behalf of
 the above-named
 entity.
- 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.
- 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.

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

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 abovenamed applicant for the Authorization(s) specified above. Robert Folliard , III

Assistant Secretary

04/20/2021

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).

- 1. The Authorized
 Person signing
 below certifies and
 represents that he
 /she is authorized to
 submit this TV
 Broadcaster
 Relocation Fund
 Reimbursement
 Form on behalf of
 the above-named
 entity.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.

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

- 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.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Robert Folliard , III

Assistant Secretary

04/20/2021

Attachments