Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **18819** | Service: **DTV** | Call Sign: **WLAE-TV** | Channel: **23 (UHF)**

File Number: **0000027988**

FRN: **0001718832** | Date Submitted: **01/28/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
EDUCATIONAL BROADCASTING FOUNDATION, INC.	3900 Howard Ave. New Orleans, LA 70125 United States	+1 (504) 234-8989	dave@wlae.com	Not-for-Profit

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Charles L. Spencer *Attorney* *Phelps Dunbar LLP*	II City Plaza 400 Convention Street, Suite 1100 Baton Rouge, LA 70802 United States	+1 (225) 376-0235	charles.spencer@phelps.com

Broadcaster Information and Transition Plan

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	WLAE-TV will transition from DT Channel 31 to DT Channel 23 as part of Transition Phase 7 with a Testing Period Start Date of 10/19/2019 and a Phase Completion Date of 1/17/2020. Testing will be coordinated with linked Station KNOV-CD (FIN 64048).

Transmitters

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

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	HU15000AD
	Year	2009
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	15 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	CTX718
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	15.0 kW
	Justification for New Transmitter	The existing transmitter output mask filter is channel specific and must be replaced to accommodate the new repack channel (see attachments pertaining to mask filter).

Primary Transmitter

Other Transmitter Costs

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

	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Upgrade the existing 400 amp service to a 600 amp service and add a 400 amp switch fused at 225 amps to power the new transmitter. The quote includes rigid conduit and wiring.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	5 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
Drip Pans	Drip pans are needed for the water cooled transmitter to prevent possible leaks from the transmitter and water pumps from flooding the transmitter building.
Equipment and Labor for moving transmitter	The transmitter vendor requires that we provide personnel and equipment to help move the transmitter rack as well as heat exchanger and mask filter from the delivery truck into our transmitter facility.
Electrical installation for HVAC	HVAC needs electrical installation for unit to operate.
Heat Exchanger Platform	A platform must be built to accommodate the transmitter's heat exchanger which will be located on the outside of the transmitter building.
Additional Electrical Cost	Additional electrical costs were incurred after the new FCC mandated transmitter was installed. This required the rerouting of electrical circuits and adding new circuits. due to the location of the water cooled transmitter.
Storage and Delivery	Heavy lift equipment rental.

Antennas

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

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	200.0 kW

Manufacturer	
Model	TLP-16M
Year	2005

Primary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	168.0 kW
	Manufacturer	
	Model	ATC-BCE12C2-23

Year	2018
Justification for New Antenna	The present antenna will be lowered on tower to accommodate space for new antenna. Station wishes to operate at full licensed power on Ch. 31 while new re-pack antenna is mounted on tower. See attachment for WLAE repack plan.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	4 1/16 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

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
Off load main antenna	Bobcat rental with forklift handles to off load main antenna from flatbed truck.
Test RF System	Install and test and interim inter-connecting RF System to maintain licensed channel operation while implementing the FCC Repack Channel transmission equipment
Storage	Storage for antenna before delivery to site for tower crew to mount on tower.
Shipping and Handling	Manufacturer delivery.

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 Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Other
	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	Cavity Slot Antenna
	ERP: (Effective Radiated Power)	200.0 kW
	Manufacturer	
	Model	ATC-BCSH16S1-U

Year	2018
Justification for New Antenna	WLAE-TV prefers to continue broadcasting on our present channel without going dark during the transitional period to the new assigned frequency mandated by the FCC.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	B
	Feed Line Size	4 1/16 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an 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

Interim Antenna

Other Antenna Cost Not Listed

Name	Description
Shipping and Handling	Cost to ship antenna to broadcast tower site.

Wide Band Adapter	3-1/8" to 4-1/16" wide band adapter.

Transmission Line

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	4 1/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	950 feet per run

Primary Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	4 1/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	950 feet per run

	Justification for New Transmission Line	WLAE-TV wishes to continue broadcasting at full licensed power on our present channel using the existing transmission line while new transmission line is installed for new channel assignment. See attachment for WLAE repack plan.

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Storage	Storage for transmission line essential for protection against theft.

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	Leased
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1000007
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	29° 58' 58.0" N-
	Longitude (NAD83)	089° 57' 09.0" W-
	Overall Structure Height	1049.86 feet
	Support Structure Height	1049.86 feet
	Ground Elevation Above Mean Sea Level (AMSL)	0.00 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	BAYOU BIENVENUE TOWER
Date Constructed	05/01/1984

FM, AM or TV radio broadcasters. Facility ID's, Call Signs and Services of other broadcast stations with whom the tower is shared

Facility ID	Call Sign	Service
58394	WNOE-FM	FM
54890	WRNO-FM	FM
52435	WWL-FM	FM

Primary Tower

Tower Modification Costs

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

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A

Helicopter Services Required	Are helicopter services required?	No

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Change order for tower modifications	A change order was necessary for the tower modifications to proceed.
Structural Analysis	A structural analysis is needed for the conditions used to add the new repack antenna and transmission line. See WLAE-TV repack plan in attachments.
Tower Rigging	Tower rigging is needed to reinforce and modify existing G-7 guy wired tower structure. .

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	500
	Explanation	WLAE-TV will need outside assistance and project management due to insufficient staffing levels to support a major project.
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	2
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	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	2
	NEPA Section 106 environmental review	No
	Environmental Assessment	Yes
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	Yes
	Number of Days	22

	Justification	We do not have comprehensive internal resources. Consulting RF engineers are needed to meet the analytical, coordination, and FCC compliance needs of the station.

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Special Condition	Special Condition to verify protection of a local AM Broadcasting Station that is no longer required.

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	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?	No
	Does this relocation require Equipment Storage?	No
	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
WLAE-TV Staff Hours	WLAE-TV Staff Hours to install repack transmitter
Burk Touch Remote	See attachements "Burk Touch" and "WLAE_ArcPlusTouch_AutoPilot_SNMP_Quote_Oct282019"

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter CTX718	**$893,189.04**	**$726,814.04**		**$698,164.04**	
Storage and Delivery	***$1,900.00***	$1,900.00	N/A	N/A	N/A
Additional Electrical Cost	***$4,410.76***	$4,410.76	N/A	$4,410.76	N/A
Heat Exchanger Platform	***$52,978.28***	$52,978.28	N/A	$52,978.28	N/A
Electrical installation for HVAC	***$5,000.00***	$5,000.00	N/A	$0.00	N/A
Equipment and Labor for moving transmitter	***$2,500.00***	$2,500.00	N/A	N/A	N/A
Drip Pans	***$9,450.00***	$9,450.00	N/A	$9,450.00	N/A
5 Ton system	$20,250.00	$19,250.00	N/A	N/A	N/A

Other Electrical Service: Upgrade the existing 400 amp service to a 600 amp service and add a 400 amp switch fused at 225 amps to power the new transmitter. The quote includes rigid conduit and wiring.	***$112,700.00***	$112,700.00	N/A	$112,700.00	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	$684,000.00	$518,625.00	N/A	$518,625.00	N/A
Sub-total	$893,189.04	$726,814.04	N/A	$698,164.04	N/A
Total for all systems	$2,670,610.22	$1,622,184.02	N/A	$1,315,564.47	N/A

Components

Actual Information Description	File Name
Storage and Delivery	Information not provided.

Additional Electrical Cost	**Component Description:** **Amount:**	Payment of $4410.76 for the additional electrical work is due now so I am requesting reimbursement of this cost as shown on the invoice. $4,410.76
Heat Exchanger Platform	**Component Description:** **Amount:** **Component Description:** **Amount:**	2nd payment for Heat Exchange Platform is due now so I'm requesting reimbursement for 50% of balance due which is shown on the invoice. $26,489.14 First payment of 50% down for Heat Exchange platform is due now so I'm requesting reimbursement for 50% of this cost as shown on the invoice. $26,489.14
Electrical installation for HVAC	Information not provided.	
Equipment and Labor for moving transmitter	Information not provided.	

Drip Pans	**Component Description:** **Amount:**	Payment is due for the installation of drip pans for the repack transmitter so I'm requesting reimbursement for the amount shown on the invoice, $9450.00. $9,450.00
5 Ton system	Information not provided.	
Other Electrical Service: Upgrade the existing 400 amp service to a 600 amp service and add a 400 amp switch fused at 225 amps to power the new transmitter. The quote includes rigid conduit and wiring.	**Component Description:** **Amount:**	2nd payment of $56,350.00 is due now for electrical requirements for new transmitter as required by the FCC Repack so I'm requesting reimbursement for this amount as shown in the invoice, $56,350.00 $56,350.00
	Component Description: **Amount:**	Payment of $56,350.00 is due now for electrical requirements for the new transmitter as required by the FCC Repack so I'm requesting reimbursement of $56,350.00 as shown on the invoice. $56,350.00

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	**Component Description:**	Third and final payment for the installation of the 15 kw Continental repack transmitter is due now so I'm requesting reimbursement of $20,000 as shown in the invoice.
	Amount:	$20,000.00
	Component Description:	2nd payment on 15kw transmitter is due now so I'm requesting reimbursement for this cost as shown in the invoice, $317106.25.
	Amount:	$317,106.25
	Component Description:	First payment for 35% down on 15kW transmitter is due now so I am requesting reimbursement for 35% of this cost as shown in the invoice.
	Amount:	$181,518.75

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 ATC-BCSH16S1-U	**$210,055.00**	**$62,175.00**		**$57,675.00**	
Wide Band Adapter	***$1,800.00***	$1,800.00	N/A	$1,800.00	N/A
Shipping and Handling	***$1,075.00***	$1,075.00	N/A	$1,075.00	N/A
Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	$10,950.00	$6,800.00	N/A	$6,800.00	N/A
Sweep test of existing antenna	$6,730.00	$4,500.00	N/A	N/A	N/A
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	$189,500.00	$48,000.00	N/A	$48,000.00	N/A

Primary Antenna ATC-BCE12C2-23	**$378,118.75**	**$99,358.75**		**$69,775.00**	
UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	$103,100.00	$19,000.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***	$19,000.00	N/A
UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	$103,100.00	$19,000.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***	$19,000.00	N/A
Off load main antenna	***$385.00***	$385.00	N/A	$385.00	N/A
Test RF System	***$19,373.75***	$19,373.75	N/A	$11,040.00	N/A
Storage	***$500.00***	$500.00	N/A	$500.00	N/A
Shipping and Handling	***$3,850.00***	$3,850.00	N/A	$3,850.00	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	N/A	$5,000.00	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	$23,150.00	$4,750.00	N/A	$4,750.00	N/A
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	$9,570.00	$4,000.00	N/A	$4,000.00	N/A
Sweep test of existing antenna	$6,730.00	$4,500.00	N/A	$2,250.00	N/A
UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	$103,100.00	$19,000.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***	$0.00	N/A

Sub-total	$588,173.75	$161,533.75	N/A	$127,450.00	N/A
Total for all systems	$2,670,610.22	$1,622,184.02	N/A	$1,315,564.47	N/A

Components

Actual Information Description	File Name
Wide Band Adapter	**Component Description:** 3rd payment of 20% for the wide band adapter is due now so I'm requesting reimbursement for 20% of this cost as shown on the invoice. **Amount:** $360.00 **Component Description:** Second payment of 30% for the wide band adapter is due now so I'm requesting reimbursement for 30% of this cost as shown on the invoice. **Amount:** $540.00 **Component Description:** First payment of 50% for the wide band adapter is due now so I'm requesting reimbursement for 50% of this cost as shown on the invoice. **Amount:** $900.00

Shipping and Handling	**Component Description:**	Payment for 100% for shipping and handling of interim antenna is due now so I am requesting reimbursement for 100% of this cost as shown in the invoice. Amount: $1075.00
	Amount:	$1,075.00

Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	**Component Description:**	First payment of 50% for elbow complex is due now so I'm requesting reimbursement for 50% of this cost as shown on the invoice.
	Amount:	$3,400.00
	Component Description:	Second payment of 30% for elbow complex is due now so I'm requesting reimbursement for 30% of this cost as shown on the invoice.
	Amount:	$2,040.00
	Component Description:	3rd payment of 20% for elbow complex is due now so I'm requesting reimbursement for 20% of this cost as shown on the invoice.
	Amount:	$1,360.00
Sweep test of existing antenna	Information not provided.	

UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	**Component Description:**	3rd payment of 20% for H-Pole Cavity Slot Interim antenna is due now so I'm requesting reimbursement for 20% of this cost as shown on the invoice.
	Amount:	$9,600.00
	Component Description:	Second payment of 30% for H-Pole Cavity Slot Interim antenna is due now so I'm requesting reimbursement for 30% of this cost as shown on the invoice.
	Amount:	$14,400.00
	Component Description:	First payment of 50% for H-Pole Cavity Slot Interim antenna is due now so I'm requesting reimbursement for 50% of this cost as shown on the invoice.
	Amount:	$24,000.00

UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	**Component Description:**	First Payment of 50% for H-Pol Coaxial Slot Antenna is due now.so I am only requesting reimbursement for 50% of this cost as shown on the invoice.
	Amount:	$19,000.00
UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	**Component Description:**	Third payment of 20% for H-Pol Coaxial Slot Antenna is due now.so I am only requesting reimbursement for 20% of this cost as shown on the invoice.
	Amount:	$7,600.00
	Component Description:	Second payment of 30% for H-Pol Coaxial Slot antenna is due now so I'm requesting reimbursement for 30% of this cost as shown on the invoice.
	Amount:	$11,400.00

Off load main antenna	**Component Description:**	Full payment of cost for unloading main antenna from flatbed truck is due now so I'm requesting 100% reimbursement of this cost as shown in the invoice.
	Amount:	$385.00
Test RF System	**Component Description:**	First payment for RF inter-connecting materials is due now so I'm requesting reimbursement of $11040.00 for this material as shown in the invoice.
	Amount:	$11,040.00

Storage	**Component Description:**	2nd payment of 50% for storage of antenna is due now so I am only requesting reimbursement for 50% of this cost as shown in the invoice.
	Amount:	$250.00
	Component Description:	First payment of 50% for storage of antenna is due now so I am only requesting reimbursement for 50% of this cost as shown in the invoice.
	Amount:	$250.00

Shipping and Handling	**Component Description:**	First payment of 50% for shipping and handling of antenna is due now so I am requesting reimbursement for 50% of this cost as shown in the invoice.
	Amount:	$1,925.00
	Component Description:	Second payment of 50% for shipping and handling of antenna is due now so I am requesting reimbursement for 50% of this cost as shown in the invoice.
	Amount:	$1,925.00

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	**Component Description:**	First payment of 50% for antenna scattering study for side mounted directional antenna is due now so I am requesting reimbursement for 50% of this cost as shown on the invoice.
	Amount:	$2,500.00
	Component Description:	3rd payment of 20% for antenna scattering study for side mounted directional antenna is due now so I am requesting reimbursement for 20% of this cost as shown on the invoice.
	Amount:	$1,000.00
	Component Description:	Second payment of 30% for antenna scattering study for side mounted directional antenna is due now so I am requesting reimbursement for 30% of this cost as shown on the invoice.
	Amount:	$1,500.00

Side mount brackets for high power antennas (if not included in antenna base cost)	**Component Description:**	2nd payment of 50% for cost of custom mounts for offset, 3 mount locations for antenna is due now so I am requesting reimbursement for 50% of this cost as shown on the invoice.
	Amount:	$2,375.00
	Component Description:	First payment of 50% for cost of custom mounts for offset, 3 mount locations for antenna is due now so I am requesting reimbursement for 50% of this cost as shown on the invoice.
	Amount:	$2,375.00

Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	**Component Description:**	First payment of 50% for 3 1/8" Elbow complex is due now so I am requesting reimbursement for 50% of this cost as shown on the invoice.
	Amount:	$2,000.00
	Component Description:	2nd payment of 50% for 3 1/8" Elbow complex is due now so I am requesting reimbursement for 50% of this cost as shown on the invoice.
	Amount:	$2,000.00
Sweep test of existing antenna	**Component Description:**	First payment of 50% for Field Service System sweep is due now so I am requesting reimbursement for 50% of this cost as shown on the invoice.
	Amount:	$2,250.00

UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	**Component Description:**	First payment of 50% for H-Pol Coaxial Slot antenna is due now so I'm requesting reimbursement for 50% of this cost as shown on the invoice.
	Amount:	$19,000.00

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	**$135,694.85**	**$87,220.85**		**$87,220.85**	
Storage	***$794.85***	$794.85	N/A	$794.85	N/A
Rigid Transmission Line - copper, 4 1 /16"	$134,900.00	$86,426.00	N/A	$86,426.00	N/A
Sub-total	$135,694.85	$87,220.85	N/A	$87,220.85	N/A
Total for all systems	$2,670,610.22	$1,622,184.02	N/A	$1,315,564.47	N/A

Components

Actual Information Description	File Name	
Storage	**Component Description:**	2nd payment for storage container.
	Amount:	$192.59
	Component Description:	1st payment for storage container.
	Amount:	$602.26

Rigid Transmission Line - copper, 4 1/16"	**Component Description:**	Invoice for the 4 1 /4" copper transmission line is due now so I am requesting reimbursement of the total due as shown in the invoice.
	Amount:	$6,151.00
	Component Description:	First payment for 35% down on 4 1 /16" transmission line is due now so I am requesting reimbursement for 35% of this cost as shown in the invoice.
	Amount:	$28,096.25
	Component Description:	Second payment for 65% of final payment on 4 1/16" transmission line is due now so I'm requesting reimbursement for the balance of this cost as shown in the invoice.
	Amount:	$52,178.75

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	**$707,468.00**	**$315,525.00**		**$315,525.00**	
Change order for tower modifications	***$25,490.00***	$25,490.00	N/A	$25,490.00	N/A
Structural Analysis	***$5,000.00***	$5,000.00	N/A	$5,000.00	N/A
Tower Rigging	***$19,178.00***	$19,178.00	N/A	$19,178.00	N/A
Tall Tower (greater than 500')	$210,500.00	$128,647.00	N/A	$128,647.00	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	$26,300.00	$8,083.00	N/A	$8,083.00	N/A
Major tower reinforcement /modifications	$421,000.00	$129,127.00	N/A	$129,127.00	N/A
Sub-total	$707,468.00	$315,525.00	N/A	$315,525.00	N/A
Total for all systems	$2,670,610.22	$1,622,184.02	N/A	$1,315,564.47	N/A

Components

Actual Information Description	File Name	
Change order for tower modifications	**Component Description:** **Amount:**	This change order was for the tower modifications to proceed. . So I'm requesting reimbursement for the change order as shown in the invoice, $25,490.00 $25,490.00
Structural Analysis	**Component Description:** **Amount:** **Component Description:** **Amount:**	This invoice is a 50% down payment for the signed and accepted proposal or quote. The signed proposal is in the attachments. $2,500.00 FDH Velocitel Invoice #2 for the balance due for the Structural Analysis. $2,500.00

Tower Rigging	**Component Description:**	Balance for all rigging is due now so I'm requesting reimbursement for this cost as shown on the invoice, $13,424.60.
	Amount:	$13,424.60
	Component Description:	First payment of 30% for cost of tower rigging is due now so I'm requesting reimbursement for 30% of this cost as shown on the invoice.
	Amount:	$5,753.40
Tall Tower (greater than 500')	**Component Description:**	Balance for the antenna and line relocation and install is due now so I'm requesting reimbursement for this cost as shown on the invoice, $90,052.90.
	Amount:	$90,052.90
	Component Description:	First payment of 30% for cost of antenna and line relocation and install is due now so I'm requesting reimbursement for 30% of this cost as shown on the invoice.
	Amount:	$38,594.10

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	**Component Description:**	This invoice is a 50% down payment for the signed and accepted proposal or quote. The proposal is attached to the bottom of the invoice. It is also in the attachments.
	Amount:	$4,041.50
	Component Description:	Invoice is for remaining balance due after completion of scope of work performed.
	Amount:	$4,041.50
Major tower reinforcement /modifications	**Component Description:**	Balance for the tower modification is due now so I'm requesting reimbursement of this cost as shown on the invoice, $90,388.90.
	Amount:	$90,388.90
	Component Description:	First payment of 30% down for cost of all modifications of tower is due now so I'm requesting reimbursement for 30% of this cost as shown in the invoice.
	Amount:	$38,738.10

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 Justificati
Outside Professional Services	**$294,095.45**	**$286,956.25**		**$64,588.16**	
Special Condition	***$780.45***	$780.45	N/A	$780.45	N/A
Additional Field Engineering Service, 22 Days	***$60,000.00***	$60,000.00	N/A	$48,881.91	N/A
RF Exposure Measurements	$21,050.00	$20,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	$84,200.00	$80,000.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	$2,105.00	$2,000.00	N/A	N/A	N/A
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	$10,520.00	$10,000.00	N/A	N/A	N/A

Attorney Fees - Prepare and File request for Special Temporary Authorization	$7,360.00	$7,000.00	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
Prepare request for Special Temporary Authorization	$4,100.00	$3,000.00	N/A	N/A	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 engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$3,000.00	N/A	N/A	N/A

Address transition timing and coordination issues w/ other stations and wireless	$2,630.00	$8,350.00	The cost of addressing transition timing and coordination issues take much more time and therefore the attorney fees are much higher than the predetermined cost.	$8,350.00	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$6,575.80	N/A	$6,575.80	N/A
Prepare and or review reimbursement form	$2,630.00	$2,500.00	N/A	N/A	N/A
Project management of the transition	$79,000.00	$75,000.00	N/A	N/A	N/A
Sub-total	$294,095.45	$286,956.25	N/A	$64,588.16	N/A
Total for all systems	$2,670,610.22	$1,622,184.02	N/A	$1,315,564.47	N/A

Components

Actual Information Description	File Name

Special Condition	**Component Description:**	Payment of $780.45 is due now for special conditions verifying protection of a local AM Broadcasting Station so I'm requesting reimbursement of $780.45 as shown in the invoice.
	Amount:	$780.45

Additional Field Engineering Service, 22 Days	**Component Description:**	Installed additional interim inter-connecting RF system to permit relocation the Repack FCC Channel Mask Filter to the side of the present Mask Filter.
	Amount:	$37,384.41
	Component Description:	Payment of $4987.50 is due now for conducting a preliminary site survey so I'm requesting reimbursement of $4987.50 as shown in the invoice.
	Amount:	$4,987.50
	Component Description:	Technical Services Invoice for implementing equipment removal plan is due now so I'm requesting reimbursement of $4646.25 as shown in the invoice.
	Amount:	$4,646.25
	Component Description:	Invoice for Equipment Removal Plan is due now so I'm requesting reimbursement for $1863.75 as shown in the invoice.
	Amount:	$1,863.75

RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.
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	Information not provided.
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	Information not provided.
Address transition timing and coordination issues w/ other stations and wireless	

Component Description:	Payment of $700.00 is due now for transition and timing issues so I'm requesting reimbursement for $700.00 as shown in the invoice.
Amount:	$700.00
Component Description:	Payment of $1450.00 is due now for transition and timing issues so I'm requesting reimbursement for $1450.00 as shown in the invoice.
Amount:	$1,450.00
Component Description:	Payment of $200.00 is due now for transition and timing issues so I'm requesting reimbursement for $200.00 as shown in the invoice.
Amount:	$200.00
Component Description:	Payment of $1000.00 is due now for transition and timing issues so I'm requesting reimbursement for $1000.00 as shown in the invoice.
Amount:	$1,000.00

Component Description:	Payment of $3950.00 is due now for transition and timing issues so I'm requesting reimbursement for $3950.00 as shown in the invoice.
Amount:	$3,950.00
Component Description:	Payment of $300.00 is due now for transition and timing issues so I'm requesting reimbursement of $300.00 as shown in the invoice.
Amount:	$300.00
Component Description:	Payment of $750.00 is due now for transition and timing issues so I'm requesting reimbursement for $750.00 as shown in the invoice.
Amount:	$750.00

Perform engineering study for new channel assignment and antenna development	**Component Description:** **Amount:** **Component Description:** **Amount:**	Invoice for services rendered including performing a TV Study coverage and interference analysis, including compliance with coverage requirements for three different antennas. $2,800.80 Invoice for creating spread sheet to compare various transmission line sizes and affect upon required Transmitter Power Output with various antenna configurations. $3,775.00
Prepare and or review reimbursement form	Information not provided.	
Project management of the transition	Information not provided.	

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificati
Other Expenses	**$51,989.13**	**$44,134.13**		**$22,616.42**	
Burk Touch Remote	***$3,295.00***	$3,295.00	See attached narrative. We would like to request reimbursement for replacement of our Burk ARCplus with a Burk Touch, which is capable of SNMP control. Our current remote or transmitter does not offer on and off control.	$3,362.29	Original quote did not includ shipping cost. Correction made according to FCC email.
WLAE-TV Staff Hours	***$13,559.13***	$13,559.13	N/A	$13,559.13	Additiona hours wer worked to complete the projec after the original estimate was submitted
MVPD Notification of Channel Change	***$10,000.00***	$10,000.00	N/A	N/A	N/A

Develop and air announcement of upcoming channel change	***$10,000.00***	$10,000.00	.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	***$1,945.00***	$1,945.00	N/A	$1,945.00	N/A
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	N/A	N/A	N/A
DTV Medical Facility Notification	$11,550.00	$3,750.00	N/A	$3,750.00	N/A
FCC Filing Fees - Special Temporary Authorization request	$195.00	$190.00	N/A	N/A	N/A
Sub-total	$51,989.13	$44,134.13	N/A	$22,616.42	N/A
Total for all systems	$2,670,610.22	$1,622,184.02	N/A	$1,315,564.47	N/A

Components

Actual Information Description	File Name

Burk Touch Remote	**Component Description:** **Amount:**	Original quote did not include shipping cost. Corrections made according to FCC email. $3,362.29
WLAE-TV Staff Hours	**Component Description:** **Amount:**	Repack hours worked by David Snowdy $13,559.13
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	**Component Description:** **Amount:** **Component Description:** **Amount:**	Full payment of cost for hauling transmitter packaging debris from premises is due now so I'm requesting reimbursement of this cost as shown in the invoice, $385.00. $385.00 Removal and disposal of debris from tower sight due to upgrade to tower as required for FCC Repack. $1,560.00

FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.	
DTV Medical Facility Notification	**Component Description:** **Amount:**	First payment for first stage of medical notification preparation. $3,750.00
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$2,670,610.22	$1,622,184.02	$1,315,564.47

Reimbursement Status

Question	Response
The facility has ceased operating on its pre-auction channel.	Yes
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.	
	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 above-named applicant for the Authorization(s) specified above.	**David Snowdy** *CTO, WLAE-TV* 01/28/2020

Attachments