

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

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

0000027988

File Number:

ID:

FRN: **0001718832** Date 09/20

> Submitted: /2019

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 Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email	
[Confidential]				

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Charles L. Spencer Attorney Hebert, Spencer & Fry, L. L.P.	701 Laurel Street Baton Rouge, LA 70802 United States	+1 (225) 344- 2601	CLSAtty@gmail. 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

rs	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	
Manufacturer and Type	Model	HU15000AD
	Year	2009
	Туре	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 existin 400 amp service to 600 amp service ar add a 400 amp switce fused at 225 amps to power the new transmitte The quote includes rigid conduit ar wiring.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	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
Storage and Delivery	Heavy lift equipment rental.
Electrical installation for HVAC	HVAC needs electrical installation for unit to operate.
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.
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.

Antennas

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

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	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	200.0 kW

Manufacturer	
Model	TLP-16M
Year	2005

New Antenna Costs

Section	Question	Response
New Antenna	Use	Primary (Main)
Description	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	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	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.

Other Antenna Costs

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

Other Antenna Cost Not Listed

Name	Description
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.
Off load main antenna	Bobcat rental with forklift handles to off load main antenna from flatbed truck.

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	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.
	2,

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

Shi	pping	and	Hand	lina
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Cost to ship antenna to broadcast tower site.

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

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	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

New Transmission Line
Costs

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

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.

Other Transmission Line Expenses Not Listed

Transmission	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	Do you have a tower registration number?	Yes
Registration	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 fee
	Support Structure Height	1049.86 fee
	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
52435	WWL-FM	FM
54890	WRNO-FM	FM
58394	WNOE-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	Are helicopter services required?	No
Required		

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Tower Rigging	Tower rigging is needed to reinforce and modify existing G-7 guy wired tower structure
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.

Outside Professional

Section	Question	Response
Services Costs 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
Jet Vices	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
Comprehensive coverage verification via field study	Yes
RF exposure measurements	Yes
Additional Field Engineering Service	Yes
Number of Days	22
	Prepare and file Form FCC License to Cover Application For Auxiliary Facility For Main Facility Prepare request for Special Temporary Authority Quantity NEPA Section 106 environmental review Environmental Assessment ASR Modification FAA Consultation (including preparation of FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers Comprehensive coverage verification via field study RF exposure measurements Additional Field Engineering Service

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
Outside
Professional Services Expenses Not Listed
Professional Services Costsided.

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 Not Listed

Expenses Information not provided.

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	\$888,778.28	\$722,403.28		\$617,403.28	
Drip Pans	\$9,450.00	\$9,450.00	N/A	\$9,450.00	N/A
Heat Exchanger Platform	\$52,978.28	\$52,978.28	N/A	\$52,978.28	N/A
Equipment and Labor for moving transmitter	\$2,500.00	\$2,500.00	N/A	N/A	N/A
Electrical installation for HVAC	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Storage and Delivery	\$1,900.00	\$1,900.00	N/A	N/A	N/A
5 Ton system	\$20,250.00	\$19,250.00	N/A	N/A	N/A

Other	\$112 700 00	\$112 700 00	N/A	\$56,350,00	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	\$112,700.00	\$112,700.00	N/A	\$56,350.00	N/A
conduit and wiring.					
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$518,625.00	N/A	\$498,625.00	N/A
Sub-total	\$888,778.28	\$722,403.28	N/A	\$617,403.28	N/A
Total for all systems	\$2,648,564.88	\$1,619,138.68	N/A	\$1,179,717.43	N/A

Components

Actual Information	
Description	File Name

	Component Description:	Payment is due for
	Component Description.	the installation of
		drip pans for the
		repack transmitter
		so I'm requesting
		reimbursement for
		the amount shown
		on the invoice,
		\$9450.00.
	Amount:	\$9,450.00
Heat Exchanger Platform		
	Component Description:	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.
	Amount:	\$26,489.14
	Amount.	ψ20, 4 03.14
	Component Description:	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
	Amount:	invoice.
	Amount.	\$26,489.14
Equipment and Labor for moving transmitter	Information not provided.	
Electrical installation for	Information not provided.	
HVAC	inioimation not provided.	
Storage and Delivery	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: Payment of

now for electrical requirements for the new transmitter as required by the FCC Repack so I'm

\$56,350.00 is due

requesting

reimbursement of \$56,350.00 as shown on the

invoice.

Amount: \$56,350.00

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW

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

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

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	
Shipping and Handling	\$1,075.00	\$1,075.00	N/A	\$1,075.00	N/A
Wide Band Adapter	\$1,800.00	\$1,800.00	N/A	\$1,800.00	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	\$118,358.75		\$69,775.00	
Off load main antenna	\$385.00	\$385.00	N/A	\$385.00	N/A
Shipping and Handling	\$3,850.00	\$3,850.00	N/A	\$3,850.00	N/A
Storage	\$500.00	\$500.00	N/A	\$500.00	N/A
Test RF System	\$19,373.75	\$19,373.75	N/A	\$11,040.00	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	\$38,000.00	N/A	\$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. ***	\$0.00	N/A

UHF -	\$103,100.00	\$19,000.00	***System	\$19,000.00	N/A
Lower			Notice:		
Power			Estimate		
Side			adjusted		
Mount,			and locked		
One			because		
Station			line has		
antenna .			been		
medium			superseded.		
power (50-			***		
200 kW),					
elliptically					
or					
circularly					
polarized					
Sub-total	\$588,173.75	\$180,533.75	N/A	\$127,450.00	N/A
Total for	\$2,648,564.88	\$1,619,138.68	N/A	\$1,179,717.43	N/A
all					
systems					

Components

Actual Information Description	File Name	
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:
	Amount:	\$1075.00 \$1,075.00

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

Elbow complex, broadband, at antenna **Component Description:** First payment of input, per 4 1/16. feedline 50% for elbow (if needed) complex is due now so I'm requesting reimbursement for 50% of this cost as shown on the invoice. \$3,400.00 Amount: **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: 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: 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

shown on the invoice.

Amount: \$9,600.00

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

	Component Description	Full payment of
	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
	A	in the invoice.
	Amount:	\$385.00
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
	Commonant Decorintian	Cocond novement of
	Component Description:	Second payment of
		50% for shipping and handling of
		and handling of antenna is due now
		so I am requesting reimbursement for
		50% of this cost as
		shown in the
	The state of the s	invoice.

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

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)

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

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: 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

Side mount brackets for high power antennas (if not included in antenna base cost)

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

snown on tr

invoice.

Amount: \$2,375.00

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

Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)

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.

\$2,000.00 Amount:

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

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.

\$2,250.00 **Amount:**

UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized

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

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

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

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

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	\$2,648,564.88	\$1,619,138.68	N/A	\$1,179,717.43	N/A

Components

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

shown in the invoice. \$28,096.25

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).

			Estimated		
Description	Predetermined Cost Estimate	Estimated Cost	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
Major tower reinforcement /modifications	\$421,000.00	\$129,127.00	N/A	\$129,127.00	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
Sub-total	\$707,468.00	\$315,525.00	N/A	\$315,525.00	N/A
Total for all systems	\$2,648,564.88	\$1,619,138.68	N/A	\$1,179,717.43	N/A

Components

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:	FDH Velocitel Invoice #2 for the balance due for the Structural Analysis.
	Amount:	\$2,500.00
	Component Description:	This invoice is a 50% down
		payment for the signed and accepted proposal
		or quote. The signed proposal is
	Amount:	in the attachments. \$2,500.00

rigging is due now so I'm requesting reimbursement for this cost as shown on the invoice, \$13,424.60. \$13,424.60 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. \$5,753.40
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.
30% for cost of tower rigging is due now so I'm requesting reimbursement for 30% of this cost as shown on the invoice.
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.
\$90,052.90
First payment of 30% for cost of antenna and line relocation and install is due now so I'm requesting

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

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

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	\$293,315.00	\$286,175.80		\$26,423.30	
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), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	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

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
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Additional Field Engineering Service, 22 Days	\$60,000.00	\$60,000.00	N/A	\$11,497.50	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Sub-total	\$293,315.00	\$286,175.80	N/A	\$26,423.30	N/A
Total for all systems	\$2,648,564.88	\$1,619,138.68	N/A	\$1,179,717.43	N/A

Components

Actual Information Description	File Name
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), Construction Permit Application	Information not provided.

Perform engineering study for new channel **Component Description:** Invoice for creating assignment and antenna spread sheet to development compare various transmission line sizes and affect upon required Transmitter Power Output with various antenna configurations. Amount: \$3,775.00 **Component Description:** Invoice for services rendered including performing a TV Study coverage and interference analysis, including compliance with coverage requirements for three different antennas. **Amount:** \$2,800.80 Prepare and or review Information not provided. reimbursement form Project management of the Information not provided. transition Address transition timing and coordination issues w/ **Component Description:** Payment of other stations and wireless \$700.00 is due now for transition and timing issues so I'm requesting reimbursement for \$700.00 as shown in the invoice. \$700.00 Amount:

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

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

\$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

\$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

\$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

Prepare engineering section of FCC Form 2100 (main), License to Cover Application Information not provided.

O D	
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
Component Description	Payment of
Component Description.	\$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
Amount.	φ4,907.30
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
	Amount: Component Description: Amount: Component Description:

Measurements

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 Cost Justification
Other Expenses	\$35,135.00	\$27,280.00		\$5,695.00	
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
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
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
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
Sub-total	\$35,135.00	\$27,280.00	N/A	\$5,695.00	N/A
Total for all systems	\$2,648,564.88	\$1,619,138.68	N/A	\$1,179,717.43	N/A

Components

Actual Information Description	File Name	
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description: Amount:	Removal and disposal of debris from tower sight due to upgrade to tower as required for FCC Repack. \$1,560.00
	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.
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	

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

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,648,564.88	\$1,619,138.68	\$1,179,717.43

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.

Ronald P. Yager Vice-President /General Manager

09/20/2019

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. Ronald P. Yager Vice-President /General Manager

09/20/2019

Attachments