

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 37808 Service: DTV Call WLFG Channel: 14 (UHF)

ID:

Sign:

File **0000028111**

Number:

FRN: **0002058089** Date **06/26**

Submitted: /2019

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
Living Faith Ministries, Inc. Doing Business As: Living Faith Ministries, Inc.	P.O. Box 1867 Abingdon, VA 24210 United States	+1 (276) 676-3806	mike@livingfaithtv. com	Corporation

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
Timothy Z Sawyer Technical Consultant T Z Sawyer Technical Consultants	2130 Hutchison Grove Court Suite 100 Falls Church, VA 22043 United States	+1 (703) 848- 2130	tzsawyer@tzsawyer. 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	Please see attached exhibit titled "WLFG Exhibit for Modified Transition Plan (August 2018)".

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	QXD2
	Year	2001
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	60.0 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?	Yes
	Manufacturer	
	Model	ULXTE-50
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	31.7 kW
	Justification for New Transmitter	Existing tx cannot be rechanneled -210 MHz change in frequency. IOT operation not available, manufacturer no longer in business. See attached letter from manufacturer dated January 1, 2017.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Switchgear (industrial 800 amp)	Yes

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Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
RF Accessories	See GatesAir Proposal Q-77816
Install Ch 14 filter and Mask	Install Ch 14 filter and transmitter mask filter
Mask Filter System	See GatesAir Proposal Q-77816
Transmitter Building Modification	See GatesAir Proposal Q-75623

Old Transmitter Removal	Remove old transmitter from site
Electrical	See GatesAir Proposal Q-77816
Installation and Proof	See GatesAir Proposal Q-77816
RF Consultant	Provide installation support services and review of associated systems during the installation of the primary transmitter
RF Components for Install	RF components and installation for main transmitter
Channel 14 Cost Not Listed	Additional Engineering

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?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Not in Stack 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)	1000.0 kW

Manufacturer	
Model	2050-32BT (1.25)
Year	1998

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?	Primary (Main) N/A Purchase
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	Full Power Top Mount Not in Stack Horizontal Slotted Coaxial N/A N/A N/A N/A N/A N/A N/A N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	479.0 kW
	Manufacturer	

Model	ATW22H5- HTO12-14H
Year	2018
Justification for New Antenna	EXISTING ANTENNA CAN NOT BE RETUNED - CURRENTLY CH 49 - MOVING TO CH 14, 210 MHZ CHANGE IN FREQ.

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	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No

Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Other Antenna Cost Not Listed

Information not provided.

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?	No
	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	Side Mount Not in Stack Horizontal Slotted Coaxial
	Polarization	
	Туре	
	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)	120.0 kW
	Manufacturer	
	Model	AL120-49- PM
	Year	2018

Justification for New Antenna	Interim
	Antenna
	will be
	necessary if
	expense for
	new tower
	is not
	approved in
	time for
	timely
	construction
	of new
	tower by
	Phase 2
	deadline.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	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
Transmission Line Connectors	Transmission line interior interconnect segments and RF components (couplers /flanges)

Transmission ^{Seffien}	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	Owned N/A N/A No n? Yes Rigid 6 1/8
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission	Manufacturer	
Line Manufacturer and Type	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	250 feet per run

New Transmission Line

Primary Transmission

Seithen	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	250 feet per run
	Justification for New Transmission Line	NEW LINE SEGMENT LENGTH REQUIRED FOR CHANNEL CHANGE FROM CH 49 (OLD 19-3 /4' SEGMENTS) TO CHANNEL 14 (NEW 20' SEGMENTS)

Description

Other Transmission Line Expenses Not Listed

Primary Other Transmission Line

Transmission Line Bridge	Cost estimated; actual length will determine
	actual cost.

Interim

New Transmission Line

Transmissio	n Line Section	Question	Response
	New Transmission Line	Use	Interim
	Costs	Description of Use	N/A
		Change Type	Purchase New
		Туре	Flexible Air
		Diameter	4 inches
		Segment Length	N/A
		Other Segment Length	
		Number of parallel runs	1
		Length	150 feet per
	Justification for New Transmission Line	Transmission line for required interim antenna operation.	

Other Transmission Line Expenses Not Listed

Transmission loine tion not provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Construct New
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure	Do you have a tower registration number?	No
Registration	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	36° 49' 47.3 N-
	Longitude (NAD83)	082° 04' 44.4" W-
	Overall Structure Height	200.00 feet
	Support Structure Height	200.00 feet
	Ground Elevation Above Mean Sea Level (AMSL)	4180.00 fee

Structure Type	LTOWER - Lattice Tower
Tower Owner	LIVING FAITH MINISTRIES, INC.
Date Constructed	01/01/1995

Primary Tower

Tower Construction Costs

Section	Question	Response
Construct New Tower	Use	Primary (Main)
	Description of Use	N/A
	Is this a request for upgraded equipment?	No
	Height	143.10 feet
	Justification for New Tower	Please see attached exhibit titled "WLFG - Exhibit for New Tower Justification (September 2018)"

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
Tower Expenses	Cursory Review
Weather Conditions	Winter weather conditions restricting access and crew working conditions
RF Engineer Consultant	Proposed tower construction; notification of same
Soil Conditions	Actual Soil Conditions versus assumed standard soil conditions

Stone and Gravel	Stone and gravel on unimproved driveway for access to tower and transmitter sites during winter weather
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Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	100
	Explanation	CONSULTING SERVICES DURING TRANSITION STATION DOES NOT HAVE RESOURCES ON STAFF
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	No
	For Main Facility	Yes

	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	No
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Professional Services Costs

Outside Other Professional Services Expenses Not Listed

Services Costs	Description	
Additional Repack Legal Services Not Otherwise Specified in Form 399	Non-catalog legal services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees.	

Interim Antenna Considerations	Consulting Engineer Interim Antenna Operations Analysis	
Insurance Costs	Insurance coverage for repack related equipment installation and transportation	

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	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	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
Land Mobile Mitigation Expenses Engineering Evaluation	Preliminary Estimate of LM Filters/RF Traps /Mitigation Engineering Evaluation
AC Line Conditioners	Electrical Surge Suppressor - for Solid State Transmitter
Land Mobile Mitigation Group A Stations	Preliminary Estimate of LM Filters/RF Traps /Mitigation Expenses Group A Stations
Land Mobile Mitigation Group B Stations	Preliminary Estimate of LM Filters/RF Traps /Mitigation Expenses Group B Stations
Land Mobile Mitigation Group C Stations	Preliminary Estimate of LM Filters/RF Traps /Mitigation Expenses Group C Stations
Land Mobile Mitigation Group D Stations	Preliminary Estimate of LM Filters/RF Traps /Mitigation Expenses Group D Stations
Land Mobile Mitigation Group E Stations	Preliminary Estimate of LM Filters/RF Traps /Mitigation Expenses Group E Stations
Land Mobile Mitigation Group F Stations	Preliminary Estimate of LM Filters/RF Traps /Mitigation Expenses Group F Stations
Services for land mobile interference identification process	Land Mobile Services
Site Security	Site security service for tower location while construction is underway

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 ULXTE-50	\$1,114,926.17	\$1,112,426.17		\$963,885.20	
Channel 14 Cost Not Listed	\$8,625.80	\$8,625.80	Additional expenses were incurred as indicated in the attached invoices.	\$9,409.80	Additional expenses were incurred as indicated in the attached invoices.
RF Components for Install	\$6,000.00	\$6,000.00	N/A	N/A	N/A
RF Consultant	\$10,000.00	\$10,000.00	N/A	\$2,250.00	N/A
Installation and Proof	\$58,543.75	\$58,543.75	N/A	\$38,931.59	N/A
Electrical	\$9,007.62	\$9,007.62	N/A	\$5,990.06	N/A
Old Transmitter Removal	\$4,500.00	\$4,500.00	N/A	N/A	N/A
Transmitter Building Modification	\$7,866.00	\$7,866.00	N/A	\$7,866.00	N/A
Mask Filter System	\$71,421.66	\$71,421.66	N/A	\$37,779.82	N/A
Install Ch 14 filter and Mask	\$3,500.00	\$3,500.00	N/A	N/A	N/A
RF Accessories	\$63,987.22	\$63,987.22	N/A	\$42,551.50	N/A

Total for all systems	\$2,781,539.12	\$2,744,214.34	N/A	\$1,852,675.64	N/A
Sub-total	\$1,114,926.17	\$1,112,426.17	PROOF 2- ON-SITE DAYS	\$963,885.20	N/A
			14 FILTER AND		
			SPECIAL CHANNEL		
			OF		
			TUNING		
			***FIELD		
			superseded.		
			line has been		
			because		
time, 2 days			and locked		
engineering			adjusted		
field			Estimate		
Additional	<i>φ.</i> σοισσ	ψ. σοίοσ	Notice:	4. 55.65	. 4// 1
Channel 14	\$750.00	\$750.00	***System	\$750.00	N/A
industrial 800 amp					
Switchgear -	\$38,200.00	\$36,300.00	N/A	N/A	N/A
31.7 kW					
State Transmitter					
Cooled Solid					
UHF - Liquid	\$818,624.12	\$818,624.12	N/A	\$818,356.43	N/A
per foot)					
Wiring (Cost					
3" Rigid Conduit and	\$10,400.00	\$9,800.00	N/A	\$0.00	N/A
service panel					
disconnect					
Transmitter					
Electrical Service:					
Floctrical	\$3,500.00	\$3,500.00			

Components

Actual Information Description	File Name	
Channel 14 Cost Not Listed	Component Description: Amount:	Additional cost information not listed \$784.00
	Component Description:	Additional cost information not listed
	Amount:	\$969.80
	Component Description:	Additional cost information not listed
	Amount:	\$208.60
	Component Description:	Additional cost information not listed
	Amount:	\$98.00
	Component Description:	Additional cost information not listed
	Amount:	\$342.10
	Component Description:	Additional cost information not listed
	Amount:	\$1,379.50
	Component Description:	Additional cost information not listed

Amount:

\$1,127.80

	Component Description: Amount:	Additional cost information not listed \$4,500.00
RF Components for Install	Information not provided.	
RF Consultant		
	Component Description:	Repack Channel 14 transmission RF system review; RF power calculations for transmitter sizing.
	Amount:	\$2,250.00
Installation and Proof		
	Component Description:	Installation and Proof for ULXTE- 50 Transmitter per Quote Q-77816
	Amount:	\$19,319.43
	Component Description:	Installation and Proof for ULXTE- 50 Transmitter per
	Amount:	Quote Q-77816 \$19,612.16
Electrical		
	Component Description:	Electrical for ULXTE-50 Transmitter per
	Amount:	Quote Q-77816 \$3,017.55
	Component Description:	Electrical for ULXTE-50
	Amount:	Transmitter per Quote Q-77816 \$2,972.51

Old Transmitter Removal	Information not provided.	
Transmitter Building Modification	Component Description:	Site Survey
	Amount:	\$7,866.00
Mask Filter System		
•	Component Description:	Mask Filter
	Component Description.	System for ULXTE-
		50 Transmitter per
		Quote Q-77816
	Amount:	\$23,569.17
	Component Description:	Mask Filter
		System for ULXTE-
		50 Transmitter per
		Quote Q-77816
		(see change order
		Q-78613)
	Amount:	\$14,210.65
Install Ch 14 filter and Mask	Information not provided.	
RF Accessories		5
	Component Description:	RF Accessories for
		ULXTE-50
		Transmitter per Quote Q-77816
	Amount:	\$21,115.78
	Amount.	ΨΣ1,113.70
	Component Description:	RF Accessories for
		ULXTE-50
		Transmitter per
		Quote Q-77816
	Amount:	\$21,435.72
Other Electrical Service:	Information not provided.	
Transmitter disconnect	·	
service panel		
service panel 3" Rigid Conduit and Wiring	Information not provided.	

UHF - Liquid Cooled Solid State Transmitter 31.7 kW		
Ciato Hanomitto OT.7 KW	Component Description:	New ULXTE-50
		Transmitter per
		Quote Q-77816
	Amount:	\$270,145.95
	Component Description:	New ULXTE-50
		Transmitter per
		Quote Q-77816
	Amount:	\$274,239.08
	Component Description:	New ULXTE-50
		Transmitter per
		Quote Q-77816
	Amount:	\$273,971.40
Switchgear - industrial 800 amp	Information not provided.	
Channel 14 Additional		
field engineering time, 2	Component Description:	Engineering
days		consulting services
		directly related to
		repack DTV
		Channel 14
		minimum
		transmitter power
		output
		requirements,
		system loss
		calculations, land
		mobile channel
		filter, and system
		gains worksheet.
	Amount:	\$750.00

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 AL120-49-PM	\$121,130.00	\$116,400.00		\$6,250.00	
Transmission Line Connectors	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,250.00	N/A
UHF - Lower Power Side Mount, One station antenna - medium power (50- 200 kW), horizontally polarized	\$89,400.00	\$85,000.00	N/A	N/A	N/A
Primary Antenna ATW22H5- HTO12-14H	\$266,030.00	\$149,986.00		\$65,943.00	
Elbow complex, single channel, at antenna input, per 6 1 /8. feedline (if needed)	\$12,300.00	\$11,700.00	N/A	N/A	N/A

UHF - High Power Top Mount (200- 1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$131,886.00	N/A	\$65,943.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Sub-total	\$387,160.00	\$266,386.00	N/A	\$72,193.00	N/A
Total for all systems	\$2,781,539.12	\$2,744,214.34	N/A	\$1,852,675.64	N/A

Components

Actual Information Description	File Name	
Transmission Line Connectors	Information not provided.	
Sweep test of existing antenna	Component Description: Amount:	System Sweep \$6,250.00
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Information not provided.	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.	
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	Component Description: Amount:	ERI Top-Mount Antenna ATW22H5- HTO12-14H \$65,943.00

Sweep test of existing	Information not provided.
antenna	

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
Interim Transmission Line	\$11,100.00	\$10,500.00		\$0.00	
Flexible Air Transmission Line - dielectric, 4"	\$11,100.00	\$10,500.00	N/A	N/A	N/A
Primary Transmission Line	\$75,500.00	\$73,000.00		\$37,005.82	
Transmission Line Bridge	\$25,000.00	\$25,000.00	N/A	\$4,678.71	N/A
Rigid Transmission Line - copper, 6 1/8"	\$50,500.00	\$48,000.00	N/A	\$32,327.11	N/A
Sub-total	\$86,600.00	\$83,500.00	N/A	\$37,005.82	N/A
Total for all systems	\$2,781,539.12	\$2,744,214.34	N/A	\$1,852,675.64	N/A

Components

Actual Information Description	File Name	
Flexible Air Transmission Line - dielectric, 4"	Information not provided.	
Transmission Line Bridge	Component Description:	Freight Cost and Transmission
	Amount:	Bridge Assembly \$4,678.71

Rigid Transmission Line - copper, 6 1/8"

Component Description: Transmission Line

Hanger Plates

Amount: \$2,963.31

Component Description: 6-1/8" OHM UHG

Fine Matcher; invisi-shield assembly leg

mount

Amount: \$7,467.50

Component Description: Transmission Line

System

Amount: \$21,896.30

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 LTOWER	\$0.00	\$0.00		\$0.00	
Primary Tower	\$665,224.41	\$662,924.41		\$530,524.41	
Stone and Gravel	\$9,457.60	\$9,457.60	N/A	\$9,457.60	Additional expenses were incurred as indicated in the attached invoices.
New tower	\$516,426.81	\$516,426.81	Additional expenses were incurred as indicated in the attached invoices.	\$516,426.81	N/A
Soil Conditions	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Weather Conditions	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Short Tower (less than 500')	\$84,200.00	\$81,900.00	N/A	N/A	N/A

Tower Expenses	\$2,640.00	\$2,640.00	N/A	\$2,640.00	Additional expenses were incurred as indicated in the attached invoices.
RF Engineer Consultant	\$2,500.00	\$2,500.00	N/A	\$2,000.00	N/A
Sub-total	\$665,224.41	\$662,924.41	N/A	\$530,524.41	N/A
Total for all systems	\$2,781,539.12	\$2,744,214.34	N/A	\$1,852,675.64	N/A

Components

Actual Information Description	File Name	
Stone and Gravel		
	Component Description: Amount:	Stone and Dress Up \$2,522.00
	Component Description:	Furnish and deliver #1 stone and
	Amount:	Crusher Run stone \$6,935.60

New tower		
	Component Description:	Custom Tower and Foundation and Tower Installation
	Amount:	\$256,336.87
	Component Description:	Custom Tower and Foundation and
	Amount:	Tower Installation \$256,336.87
	Component Description:	Freight Charge for New Tower per Proposal 20180619-498
	Amount:	\$3,753.07
Soil Conditions	Information not provided.	
Weather Conditions	Information not provided.	
Short Tower (less than 500')	Information not provided.	
Tower Expenses		
	Component Description:	Review materials regarding existing tower; analyze applicable tower study requirement to known tower characteristics; draft analysis for client
	Amount:	\$2,640.00
RF Engineer Consultant		
	Component Description:	RF Engineer Consultant
	Amount:	\$2,000.00

Cost Information

Outside Professional Services

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

			Estimated		
Description	Predetermined Cost Estimate	Estimated Cost	Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$153,518.54	\$247,772.76		\$220,140.21	
Project management of the transition	\$15,800.00	\$78,079.62	Additional expenses were incurred as indicated in the attached invoices.	\$71,963.92	Additional expenses were incurred as indicated in the attached invoices.
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$2,009.00	N/A	\$1,281.00	N/A
Additional Repack Legal Services Not Otherwise Specified in Form 399	\$63,819. 4 5	\$63,819.45	Additional expenses were incurred as indicated in the attached invoices.	\$63,819.45	Additional expenses were incurred as indicated in the attached invoices.
Prepare and or review reimbursement form	\$2,630.00	\$49,555.60	Additional expenses were incurred as indicated in the attached invoices.	\$49,555.60	Additional expenses were incurred as indicated in the attached invoices.
Insurance Costs	\$15,559.09	\$15,559.09	N/A	\$15,559.09	N/A

Interim Antenna Considerations	\$5,000.00	\$5,000.00	N/A	\$3,581.25	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$1,838.50	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$2,541.40	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	\$3,000.00	N/A

Perform engineering study for new channel assignment and antenna	\$7,360.00	\$7,000.00	N/A	\$7,000.00	N/A
development					
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$10,000.00	N/A	N/A	N/A
Sub-total	\$153,518.54	\$247,772.76	N/A	\$220,140.21	N/A
Total for all systems	\$2,781,539.12	\$2,744,214.34	N/A	\$1,852,675.64	N/A

Components

Actual Information Description	File Name	
Project management of the transition	Component Description: Amount:	Project Management of Transition \$337.50
	Component Description: Amount:	Project Management of Transition \$15,175.25
	Component Description:	Project Management of Transition
	Amount:	\$625.00

Component Description: Project

Management of

Transition

Amount: \$6,115.70

Component Description: Project

Management of

Transition

Amount: \$9,135.00

Component Description: Project

Management of

Transition

Amount: \$4,603.75

Component Description: Project

Management of

Transition

Amount: \$450.00

Component Description: Project

Management of

Transition

Amount: \$6,090.00

Component Description: Project

Management of

Transition

Amount: \$2,776.75

Component Description: Project

Management of

Transition

Amount: \$7,848.15

Component Description: Project

Management of

Transition

Amount: \$4,495.00

Component Description: Project

Management of

Transition

Amount: \$5,883.07

Component Description: Project

Management of

Transition

Amount: \$312.50

Component Description: Project

Management of

Transition

Amount: \$112.50

Component Description: Project

Management of

Transition

Amount: \$8,167.85

Component Description: Project

Management of

Transition

Amount: \$3,926.60

Component Description: Project status,

> tower analysis, vendor selection

\$2,025.00

Amount:

Attorney Fees - Negotiation of lease and other matters **Review of Tower Component Description:** for shared locations Lease: discussions with landlord regarding site lease Amount: \$728.00 **Component Description:** Review of Tower Lease: discussions with landlord regarding site lease Amount: \$1,281.00 Additional Repack Legal Services Not Otherwise **Component Description:** Non-Catalog Legal Specified in Form 399 Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees. **Amount:** \$518.50 **Component Description:** Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees Amount: \$1,501.90

> **Component Description:** Non-Catalog Legal

> > Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$5,017.20

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$8,475.30

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$1,711.70

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$5,128.80

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$1,387.40

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees.

Amount: \$940.30

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$5,441.60

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$1,106.25

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$581.00

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$5,205.30

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$114.20

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$5,391.70

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$4,174.80

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$10,769.00

Component Description: Non-Catalog Legal

Services such as review of quarterly transition status reports and other miscellaneous noncatalog legal fees

Amount: \$17,123.50

Prepare and or review reimbursement form

Component Description: Prepare and or

review

reimbursement

form.

Amount: \$2,334.90

Component Description: Prepare and or

review

reimbursement form

Amount: \$3,748.80

Component Description: Prepare and or

review

reimbursement form

Amount: \$2,437.70

Component Description: Prepare and or

review

reimbursement form

Amount: \$1,948.90

Component Description: Prepare and or

review

reimbursement form

Amount: \$6,946.60

Component Description: Prepare budget for

FCC Form 399

including

reimbursement for expenses including vendor review and

technical justification.

Amount: \$2,500.00

Component Description: Prepare and or

review

reimbursement form

Amount: \$4,241.20

Component Description: Prepare and or

review

reimbursement form

Amount: \$356.00

Component Description: Prepare and or

review

reimbursement

form.

Amount: \$1,133.70

Component Description: Prepare and or

review

reimbursement form

Amount: \$5,121.40

Component Description: Prepare and or

review

reimbursement form

Amount: \$375.00

Component Description: Prepare and or

review

reimbursement

form.

Amount: \$2,121.40

Component Description: Prepare and or

review

reimbursement form

Amount: \$1,907.80

Component Description: Prepare and or

review

reimbursement form

Amount: \$354.70

Component Description: Prepare and or

review

reimbursement form

Amount: \$14,561.80

Component Description: Prepare and or

review

reimbursement form

Amount: \$1,414.60

Insurance Costs		
	Component Description:	General liability Insurance coverage for repack related equipment installation and transportation
	Amount:	\$4,513.39
	Component Description:	Excess liability Insurance
		coverage for repack related equipment installation and transportation
	Amount:	\$11,045.70
Interim Antenna		
Considerations	Component Description:	Design parameters and antenna mounting elevations optimization of interim antenna
	Amount:	\$1,631.25
	Component Description:	Interim Antenna operation review of possible reduced
		power operation; considerations with regards to tower loading.
	Amount:	\$1,950.00
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description:	License Application for Repack
	Amount:	Construction Permit \$1,838.50
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	Attorney Fees - Prepare and File FCC Form 2100 CP.
	Amount:	\$2,367.80
	Component Description:	Attorney Fees - Prepare and File FCC Form 2100 CP.
	Amount:	\$173.60
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	Prepare engineering section of FCC Form 2100 CP Application
	Amount:	\$3,000.00
Perform engineering study for new channel assignment and antenna	Component Description:	Perform
development		engineering digital channel study for new channel
		assignment and antenna development for
	Amount:	selected channel. \$7,000.00

Prepare request for Special Temporary Authorization	Information not provided.
RF Exposure Measurements	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 Justificatio
Other Expenses	\$289,910.00	\$289,305.00		\$28,927.00	
Develop and air announcement of upcoming channel change	\$2,500.00	\$2,500.00	N/A	\$1,120.00	N/A
Services for land mobile interference identification process	\$16,366.90	\$16,366.90	Additional expenses were incurred as indicated in the attached invoices.	\$16,366.90	Additional expenses were incurred as indicated in the attached invoices.
MVPD Notification of Channel Change	\$1,853.10	\$1,853.10	Additional expenses were incurred as indicated in the attached invoices.	\$1,804.10	Additional expenses were incurred as indicated in the attached invoices.
Site Security	\$8,500.00	\$8,500.00	N/A	N/A	N/A
Land Mobile Mitigation Group F Stations	\$25,000.00	\$25,000.00	Please see attachment.	N/A	N/A
Land Mobile Mitigation Group E Stations	\$25,000.00	\$25,000.00	Please see attachment.	N/A	N/A

Land Mobile Mitigation Group D Stations	\$25,000.00	\$25,000.00	Please see attachment.	N/A	N/A
Land Mobile Mitigation Group C Stations	\$25,000.00	\$25,000.00	Please see attachment.	N/A	N/A
Land Mobile Mitigation Group B Stations	\$25,000.00	\$25,000.00	Please see attachment.	N/A	N/A
Land Mobile Mitigation Group A Stations	\$25,000.00	\$25,000.00	Please see attachment.	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
AC Line Conditioners	\$25,000.00	\$25,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$3,973.50	N/A
Land Mobile Mitigation Expenses Engineering Evaluation	\$25,000.00	\$25,000.00	Please see attachment.	\$5,662.50	N/A
Equipment Delivery and Handling Charges	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$20,000.00	\$20,000.00	N/A	N/A	N/A

Non-zoning permits	\$2,500.00	\$2,500.00	LOCAL ELECTRICAL PERMITS AND DRAWINGS	N/A	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
Sub-total	\$289,910.00	\$289,305.00	N/A	\$28,927.00	N/A
Total for all systems	\$2,781,539.12	\$2,744,214.34	N/A	\$1,852,675.64	N/A

Components

Actual Information Description	File Name	
Develop and air announcement of upcoming channel change	Component Description:	Develop and air announcement of upcoming channel change
	Amount:	\$343.00
	Component Description:	Develop and air announcement of upcoming channel change
	Amount:	\$777.00

Services for land mobile interference identification process

Component Description: Land Mobile

Services

Amount: \$223.90

Component Description: Land Mobile

Website

Implementation

Amount: \$4,700.00

Component Description: Land Mobile Web

Site Implementation

Amount: \$4,700.00

Component Description: Land Mobile

Services

Amount: \$4,844.00

Component Description: Land Mobile

Services

Amount: \$315.00

Component Description: Land Mobile

Services

Amount: \$1,584.00

MVPD Notification of Channel Change	Component Description: Amount:	MVPD Notification of Channel Change \$49.00
	Component Description: Amount:	MVPD Notification of Channel Change \$1,684.50
	Component Description: Amount:	MVPD Notification of Channel Change \$119.60
Site Security	Information not provided.	
Land Mobile Mitigation Group F Stations	Information not provided.	
Land Mobile Mitigation Group E Stations	Information not provided.	
Land Mobile Mitigation Group D Stations	Information not provided.	
Land Mobile Mitigation Group C Stations	Information not provided.	
Land Mobile Mitigation Group B Stations	Information not provided.	
Land Mobile Mitigation Group A Stations	Information not provided.	
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.	
AC Line Conditioners	Information not provided.	

DTV Medical Facility		
Notification	Component Description:	DTV Medical
		Facility Notification
	Amount:	\$342.10
	Component Description:	Medical Notification
	A	Mailing
	Amount:	\$2,950.00
	Component Description:	DTV Medical
	Amazunti	Facility Notification
	Amount:	\$534.00
	Component Description:	DTV Medical
	Amount	Facility Notification \$147.40
	Amount:	\$147.40
Land Mobile Mitigation Expenses Engineering		
Evaluation	Component Description:	Land Mobile and
		Mask Filter design review
	Amount:	\$4,612.50
	Component Description:	Channel 14 Land
	Component Description.	Mobile adjacent
		filter protection
	Amount	research. \$1,050.00
	Amount:	\$1,050.00
Equipment Delivery and Handling Charges	Information not provided.	
Disposal Costs (for	Information not provided.	
equipment and other waste, net of any salvage value)		
Non-zoning permits	Information not provided.	
FCC Filing Fees - Special Temporary Authorization	Information not provided.	
request		

FCC Filing Fees - Form
2100 license to cover
application

Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,781,539.12	\$2,744,214.34	\$1,852,675.64

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. Michael Smith President

06/26/2019

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. Michael Smith President

06/26/2019

Attachments