

(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 **07/22**

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	+1 (703) 848- 2130	tzsawyer@tzsawyer. com
	United States		

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

	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	200.0 feet
	Other Electrical Service	Yes
	Description	Transmitter disconnect service panel
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Old Transmitter Removal	Remove old transmitter from site
Install Ch 14 filter and Mask	Install Ch 14 filter and transmitter mask filter
Mask Filter System	See GatesAir Proposal Q-77816

RF Components for Install	RF components and installation for main transmitter
RF Consultant	Provide installation support services and review of associated systems during the installation of the primary transmitter
Channel 14 Cost Not Listed	Additional Engineering
Transmitter Building Modification	See GatesAir Proposal Q-75623
Installation and Proof	See GatesAir Proposal Q-77816
Electrical	See GatesAir Proposal Q-77816
RF Accessories	See GatesAir Proposal Q-77816

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
	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
RF Engineer Consultant	Proposed tower construction; notification of same
Weather Conditions	Winter weather conditions restricting access and crew working conditions
Stone and Gravel	Stone and gravel on unimproved driveway for access to tower and transmitter sites during winter weather

Soil Conditions	Actual Soil Conditions versus assumed
	standard soil conditions

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	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	\$1,115,710.17	\$1,113,210.17		\$963,885.20	
RF Accessories	\$63,987.22	\$63,987.22	N/A	\$42,551.50	N/A
Electrical	\$9,007.62	\$9,007.62	N/A	\$5,990.06	N/A
Installation and Proof	\$58,543.75	\$58,543.75	N/A	\$38,931.59	N/A
Transmitter Building Modification	\$7,866.00	\$7,866.00	N/A	\$7,866.00	N/A
Channel 14 Cost Not Listed	\$9,409.80	\$9,409.80	Additional expenses were incurred as indicated in the attached invoices.	\$9,409.80	Additional expenses were incurred as indicated in the attached invoices.
RF Consultant	\$10,000.00	\$10,000.00	N/A	\$2,250.00	N/A
RF Components for Install	\$6,000.00	\$6,000.00	N/A	N/A	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
Old Transmitter Removal	\$4,500.00	\$4,500.00	N/A	N/A	N/A

Components

Actual Information Description	File Name	
RF Accessories		
	Component Description:	RF Accessories for ULXTE-50 Transmitter per
	Amount:	Quote Q-77816 \$21,115.78
	Component Description:	RF Accessories for ULXTE-50
	Amount:	Transmitter per Quote Q-77816 \$21,435.72
Electrical		
	Component Description:	Electrical for ULXTE-50 Transmitter per
	Amount:	Quote Q-77816 \$2,972.51
	Component Description:	Electrical for ULXTE-50 Transmitter per
	Amount:	Quote Q-77816 \$3,017.55
Installation and Proof		
	Component Description:	Installation and Proof for ULXTE- 50 Transmitter per
	Amount:	Quote Q-77816 \$19,319.43
	Component Description:	Installation and Proof for ULXTE- 50 Transmitter per
	Amount:	Quote Q-77816 \$19,612.16

Transmitter Building Modification	Component Description: Amount:	Site Survey \$7,866.00
Channel 14 Cost Not Listed		
	Component Description:	Additional cost
		information not
		listed
	Amount:	\$784.00
	Component Description:	Additional cost
		information not
		listed
	Amount:	\$342.10
	On the state of th	A LEG L
	Component Description:	Additional cost information not
		listed
	Amount:	\$98.00
	Component Description:	Additional cost
		information not
		listed
	Amount:	\$208.60
	Component Description:	Additional cost
		information not listed
	Amount:	\$4,500.00
		+ 1,000100
	Component Description:	Additional cost
		information not
		listed
	Amount:	\$1,127.80
	Component Description:	Additional cost
		information not
	Amount	listed \$060.80

Amount:

\$969.80

	Component Description: Amount:	Additional cost information not listed \$1,379.50
RF Consultant	Component Description: Amount:	Repack Channel 14 transmission RF system review; RF power calculations for transmitter sizing. \$2,250.00
RF Components for Install	Information not provided.	
Mask Filter System	Component Description: Amount:	Mask Filter System for ULXTE- 50 Transmitter per Quote Q-77816 (see change order Q-78613) \$14,210.65
	Component Description: Amount:	Mask Filter System for ULXTE- 50 Transmitter per Quote Q-77816 \$23,569.17
Install Ch 14 filter and Mask	Information not provided.	
Old Transmitter Removal	Information not provided.	
Other Electrical Service: Transmitter disconnect service panel	Information not provided.	
Switchgear - industrial 800 amp	Information not provided.	

UHF - Liquid Cooled Solid State Transmitter 31.7 kW		
	Component Description:	New ULXTE-50
		Transmitter per
	Amazıntı	Quote Q-77816
	Amount:	\$273,971.40
	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
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Channel 14 Additional		
field engineering time, 2 days	Component Description:	Engineering
uays		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
Interim Antenna AL120-49-PM	\$121,130.00	\$116,400.00		\$6,250.00	
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
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,250.00	N/A
Transmission Line Connectors	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Primary Antenna ATW22H5- HTO12-14H	\$266,030.00	\$149,986.00		\$79,828.75	
UHF - High Power Top Mount (200- 1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$131,886.00	N/A	\$79,828.75	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A

Elbow complex, single channel, at antenna	\$12,300.00	\$11,700.00	N/A	N/A	N/A
input, per 6 1 /8. feedline (if needed)					
Sub-total	\$387,160.00	\$266,386.00	N/A	\$86,078.75	N/A
Total for all systems	\$2,782,323.12	\$2,744,998.34	N/A	\$1,886,171.99	N/A

Components

Actual Information Description	File Name	
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Information not provided.	
Sweep test of existing antenna	Component Description: Amount:	System Sweep \$6,250.00
Transmission Line Connectors	Information not provided.	

UHF - High Power Top Mount (200-1000 kW), One **Component Description:** Antenna station antenna, horizontally Installation polarized Weather Day, Freezing Rain /Snow, Crane on Site \$9,985.75 Amount: **Component Description:** Antenna Installation Weather Day, High Winds and Ice Amount: \$3,900.00 **Component Description: ERI Top-Mount** Antenna ATW22H5-HTO12-14H Amount: \$65,943.00 Sweep test of existing Information not provided. antenna Elbow complex, single Information not provided. channel, at antenna input, per 6 1/8. feedline (if needed)

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	\$2,782,323.12	\$2,744,998.34	N/A	\$1,886,171.99	N/A

Components

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

Rigid Transmission Line - copper, 6 1/8"

Component Description: Transmission Line

System

Amount: \$21,896.30

Component Description: 6-1/8" OHM UHG

Fine Matcher; invisi-shield assembly leg

mount

Amount: \$7,467.50

Component Description: Transmission Line

Hanger Plates

Amount: \$2,963.31

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	\$2,782,323.12	\$2,744,998.34	N/A	\$1,886,171.99	N/A

Components

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

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).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$153,518.54	\$247,772.76		\$239,701.81	
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
Additional Repack Legal Services Not Otherwise Specified in Form 399	\$63,819.45	\$63,819.45	Additional expenses were incurred as indicated in the attached invoices.	\$74,588.45	Additional expenses were incurred as indicated in the attached invoices.
RF Exposure Measurements	\$21,050.00	\$10,000.00	N/A	N/A	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 - Negotiation of lease and other matters for shared locations	\$4,210.00	\$2,009.00	N/A	\$2,009.00	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
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$7,000.00	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
Project management of the transition	\$15,800.00	\$78,079.62	Additional expenses were incurred as indicated in the attached invoices.	\$78,079.62	Additional expenses were incurred as indicated in the attached invoices.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A

Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$49,555.60	Additional expenses were incurred as indicated in the attached invoices.	\$51,504.50	Additional expenses were incurred as indicated in the attached invoices.
Sub-total	\$153,518.54	\$247,772.76	N/A	\$239,701.81	N/A
Total for all systems	\$2,782,323.12	\$2,744,998.34	N/A	\$1,886,171.99	N/A

Components

Actual Information Description	File Name	
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 \$1,631.25 Amount: **Component Description:** Interim Antenna operation review of possible reduced power operation; considerations with regards to tower loading. \$1,950.00 **Amount:** 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

\$581.00

Amount:

Component Description: Non-Catalog Legal

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

Amount: \$5,017.20 Component Description: Non-Catalog Legal

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: \$10,769.00

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: \$5,205.30

Component Description: Non-Catalog Legal

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

Amount: \$4,174.80

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: \$17,123.50

Component Description: Non-Catalog Legal

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: \$1,106.25

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: \$1,711.70

Component Description: Non-Catalog Legal

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: \$114.20

Component Description: Non-Catalog Legal

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

Amount: \$1,387.40

RF Exposure Information not provided.

Measurements

Attorney Fees - Prepare and File request for Special Temporary Authorization Information not provided.

Attorney Fees - Negotiation of lease and other matters for shared locations	Component Description:	Review of Tower Lease; discussions with landlord regarding site lease
	Amount:	\$728.00
	Component Description:	Review of Tower Lease; discussions with landlord
	Amount:	regarding site lease \$1,281.00
Attorney Fees -Prepare and File FCC Form 2100	Component Description:	License Application
(main), License to Cover Application		for Repack
	Amount:	Construction Permit \$1,838.50
		. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Attorney Fees - Prepare		
and File FCC Form 2100	Component Description:	Attorney Fees -
(main), Construction Permit Application		Prepare and File
, ipplication		FCC Form 2100
	Amount:	CP. \$173.60
	, and an	\$176.00
	Component Description:	Attorney Fees -
		Prepare and File
		FCC Form 2100
	Amount:	CP. \$2,367.80
		- -,
Perform engineering study		
for new channel	Component Description:	Perform
assignment and antenna development		engineering digital
•		channel study for new channel
		new cnanner assignment and
		antenna
		development for
		selected channel.
	Amount:	\$7,000.00

Prepare engineering section of FCC Form 2100 **Component Description:** Prepare (main), Construction Permit engineering section Application of FCC Form 2100 **CP** Application \$3,000.00 Amount: Project management of the transition **Component Description: Project** Management of Transition Amount: \$625.00 **Component Description: Project** Management of Transition Amount: \$7,848.15 **Component Description:** Project Management of Transition Amount: \$6,115.70 **Component Description: Project** Management of Transition Amount: \$8,167.85 **Component Description: Project** Management of Transition \$4,495.00 **Amount:**

Component Description: Project

Management of

Transition

Amount: \$312.50

Component Description: Project

Management of

Transition

Amount: \$4,603.75

Component Description: Project

Management of

Transition

Amount: \$2,776.75

Component Description: Project status,

tower analysis,

vendor selection

Amount: \$2,025.00

Component Description: Project

Management of

Transition

Amount: \$3,926.60

Component Description: Project

Management of

Transition

Amount: \$9,135.00

Component Description: Project

Management of

Transition

Amount: \$337.50

Component Description: Project

Management of

Transition

Amount: \$112.50

Component Description: Project Management of Transition \$15,175.25 **Amount: Component Description: Project** Management of Transition Amount: \$5,883.07 **Component Description:** Project Management of Transition Amount: \$6,090.00 **Component Description: Project** Management of Transition **Amount:** \$450.00 Prepare engineering Information not provided. section of FCC Form 2100 (main), License to Cover Application Prepare request for Special Information not provided. **Temporary Authorization** Prepare and or review reimbursement form **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: \$3,748.80

Component Description: Prepare and or

review

reimbursement form

Amount: \$2,437.70

Component Description: Prepare and or

review

reimbursement form

Amount: \$5,121.40

Component Description: Prepare and or

review

reimbursement form

Amount: \$1,948.90

Component Description: Prepare and or

review

reimbursement form

Amount: \$375.00

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: \$356.00

Component Description: Prepare and or

review

reimbursement form

Amount: \$6,946.60

Component Description: Prepare and or

review

reimbursement form

Amount: \$1,414.60

Component Description: Prepare and or

review

reimbursement

form.

Amount: \$2,334.90

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: \$4,241.20

Component Description: Prepare and or

review

reimbursement

form.

Amount: \$1,133.70

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
Other Expenses	\$289,910.00	\$289,305.00		\$28,976.00	
Site Security	\$8,500.00	\$8,500.00	N/A	N/A	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.
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
AC Line Conditioners	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Land Mobile Mitigation Expenses Engineering Evaluation	\$25,000.00	\$25,000.00	Please see attachment.	\$5,662.50	N/A
MVPD Notification of Channel Change	\$1,853.10	\$1,853.10	Additional expenses were incurred as indicated in the attached invoices.	\$1,853.10	Additional expenses were incurred as indicated ir the attached invoices.
Develop and air announcement of upcoming channel change	\$2,500.00	\$2,500.00	N/A	\$1,120.00	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

Total for all	\$2,782,323.12	\$2,744,998.34	N/A	\$1,886,171.99	N/A
Sub-total	\$289,910.00	\$289,305.00	N/A	\$28,976.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$3,973.50	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	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 - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A

Components

Actual Information Description	File Name
Site Security	Information not provided.

Services for land mobile interference identification process	Component Description: Amount:	Land Mobile Web Site Implementation \$4,700.00
	Amount.	φ4,700.00
	Component Description:	Land Mobile
		Services
	Amount:	\$4,844.00
	Component Description:	Land Mobile
		Services
	Amount:	\$315.00
	Component Description:	Land Mobile
		Website
		Implementation
	Amount:	\$4,700.00
	Component Description:	Land Mobile
		Services
	Amount:	\$223.90
	Component Description:	Land Mobile
		Services
	Amount:	\$1,584.00
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.	
AC Line Conditioners	Information not provided.	
Land Mobile Mitigation Expenses Engineering Evaluation	Component Description:	Channel 14 Land Mobile adjacent filter protection
	Amount:	research. \$1,050.00
	Component Description:	Land Mobile and Mask Filter design review
	Amount:	\$4,612.50
MVPD Notification of Channel Change		MANDO N. C.C.
	Component Description: Amount:	MVPD Notification of Channel Change \$119.60
	Component Description:	MVPD Notification of Channel Change
	Amount:	\$1,684.50
	Component Description:	MVPD Notification of Channel Change
	Amount:	\$49.00

Develop and air announcement of upcoming channel change	Component Description: Amount:	Develop and air announcement of upcoming channel change \$777.00
	Component Description: Amount:	Develop and air announcement of upcoming channel change \$343.00
Equipment Delivery and Handling Charges	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
Non-zoning permits	Information not provided.	
FCC Filing Fees - Special Femporary 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.	

DTV Medical Facility Notification

Component Description: DTV Medical

Facility Notification

Amount: \$147.40

Component Description: DTV Medical

Facility Notification

Amount: \$342.10

Component Description: DTV Medical

Facility Notification

Amount: \$534.00

Component Description: Medical Notification

Mailing

Amount: \$2,950.00

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,782,323.12	\$2,744,998.34	\$1,886,171.99

Reimbursem	entestiatus	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 D. Smith President

07/22/2019

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 D. Smith President

07/22/2019

Attachments