



(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 **02/21**
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 Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Timothy Z Sawyer <i>Technical Consultant</i> <i>T Z Sawyer Technical Consultants</i>	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

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

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	QXD2
	Year	2001
	Type	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?	No
	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

	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
	Type	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 leasehold 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
Channel 14 Cost Not Listed	Additional Engineering
Transmitter Building Modification	See GatesAir Proposal Q-75623
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
Mask Filter System	See GatesAir Proposal Q-77816
Install Ch 14 filter and Mask	Install Ch 14 filter and transmitter mask filter
Installation and Proof	See GatesAir Proposal Q-77816
Old Transmitter Removal	Remove old transmitter from site
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

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW

Manufacturer	
Model	2050-32BT (1.25)
Year	1998

**Primary
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	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
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	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.

Primary Antenna

Other Antenna Costs

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

**Primary
Antenna**

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 Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/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.
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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 Line

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

**Primary
Transmission Line**

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	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

Primary **New Transmission Line**
Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	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).

Primary **Other Transmission Line Expenses Not Listed**
Transmission Line

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

New Transmission Line

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

Interim
Transmission Line

Other Transmission Line Expenses Not Listed

Information 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 Registration	Do you have a tower registration number?	No
	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 feet

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
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
Weather Conditions	Winter weather conditions restricting access and crew working conditions
Tower Expenses	Cursory Review

**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
	For Auxiliary Facility	No
	For Main Facility	Yes

	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	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

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	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

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
AC Line Conditioners	Electrical Surge Suppressor - for Solid State Transmitter
Land Mobile Mitigation Expenses Engineering Evaluation	Preliminary Estimate of LM Filters/RF Traps /Mitigation Engineering Evaluation
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
Site Security	Site security service for tower location while construction is underway
Services for land mobile interference identification process	Land Mobile Services

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	\$1,114,828.17	\$1,112,328.17		\$689,031.80	
Transmitter Building Modification	<i>\$7,866.00</i>	\$7,866.00	N/A	\$7,866.00	N/A
RF Accessories	<i>\$63,987.22</i>	\$63,987.22	N/A	\$42,551.50	N/A
Electrical	<i>\$9,007.62</i>	\$9,007.62	N/A	\$5,990.06	N/A
Old Transmitter Removal	<i>\$4,500.00</i>	\$4,500.00	N/A	N/A	N/A
Installation and Proof	<i>\$58,543.75</i>	\$58,543.75	N/A	\$38,931.59	N/A
Install Ch 14 filter and Mask	<i>\$3,500.00</i>	\$3,500.00	N/A	N/A	N/A
Mask Filter System	<i>\$71,421.66</i>	\$71,421.66	N/A	\$37,779.82	N/A
RF Components for Install	<i>\$6,000.00</i>	\$6,000.00	N/A	N/A	N/A
RF Consultant	<i>\$10,000.00</i>	\$10,000.00	N/A	\$2,250.00	N/A
Channel 14 Cost Not Listed	<i>\$8,527.80</i>	\$8,527.80	Additional expenses were incurred as indicated in the attached invoices.	\$8,527.80	Additional expenses were incurred as indicated in the attached invoices.

Other Electrical Service: Transmitter disconnect service panel	\$3,500.00	\$3,500.00	N/A	N/A	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$10,400.00	\$9,800.00	N/A	\$0.00	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	\$818,624.12	\$818,624.12	N/A	\$544,385.03	N/A
Channel 14 -- Additional field engineering time, 2 days	\$750.00	\$750.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***FIELD TUNING OF SPECIAL CHANNEL 14 FILTER AND PROOF 2-ON-SITE DAYS	\$750.00	N/A
Sub-total	\$1,114,828.17	\$1,112,328.17	N/A	\$689,031.80	N/A
Total for all systems	\$2,713,462.68	\$2,623,195.85	N/A	\$1,437,054.81	N/A

Components

Actual Information		
Description	File Name	
Transmitter Building Modification	Component Description: Site Survey Amount: \$7,866.00	
RF Accessories	Component Description: RF Accessories for ULXTE-50 Transmitter per Quote Q-77816 Amount: \$21,435.72 Component Description: RF Accessories for ULXTE-50 Transmitter per Quote Q-77816 Amount: \$21,115.78	
Electrical	Component Description: Electrical for ULXTE-50 Transmitter per Quote Q-77816 Amount: \$2,972.51 Component Description: Electrical for ULXTE-50 Transmitter per Quote Q-77816 Amount: \$3,017.55	
Old Transmitter Removal	Information not provided.	

Installation and Proof	<div> <div> Component Description: Amount: </div> <div> Installation and Proof for ULXTE-50 Transmitter per Quote Q-77816 \$19,319.43 </div> </div> <div> <div> Component Description: Amount: </div> <div> Installation and Proof for ULXTE-50 Transmitter per Quote Q-77816 \$19,612.16 </div> </div>
Install Ch 14 filter and Mask	Information not provided.
Mask Filter System	<div> <div> Component Description: Amount: </div> <div> Mask Filter System for ULXTE-50 Transmitter per Quote Q-77816 \$23,569.17 </div> </div> <div> <div> Component Description: Amount: </div> <div> Mask Filter System for ULXTE-50 Transmitter per Quote Q-77816 (see change order Q-78613) \$14,210.65 </div> </div>
RF Components for Install	Information not provided.
RF Consultant	<div> <div> Component Description: Amount: </div> <div> Repack Channel 14 transmission RF system review; RF power calculations for transmitter sizing. \$2,250.00 </div> </div>

Channel 14 Cost Not Listed	Component Description: Amount:	Additional cost information not listed \$4,500.00
	Component Description: Amount:	Additional cost information not listed \$208.60
	Component Description: Amount:	Additional cost information not listed \$1,379.50
	Component Description: Amount:	Additional cost information not listed \$342.10
	Component Description: Amount:	Additional cost information not listed \$1,127.80
	Component Description: Amount:	Additional cost information not listed \$969.80
Other Electrical Service: Transmitter disconnect service panel	Information not provided.	
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Switchgear - industrial 800 amp	Information not provided.	

UHF - Liquid Cooled Solid State Transmitter 31.7 kW	<div> Component Description: New ULXTE-50 Transmitter per Quote Q-77816 </div> <div> Amount: \$270,145.95 </div>
Channel 14 -- Additional field engineering time, 2 days	<div> Component Description: New ULXTE-50 Transmitter per Quote Q-77816 </div> <div> Amount: \$274,239.08 </div>
Channel 14 -- Additional field engineering time, 2 days	<div> Component Description: Engineering 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. </div> <div> Amount: \$750.00 </div>

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		\$0.00	
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	N/A	N/A
Transmission Line Connectors	<i>\$25,000.00</i>	\$25,000.00	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	\$65,943.00	N/A
Total for all systems	\$2,713,462.68	\$2,623,195.85	N/A	\$1,437,054.81	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	Information not provided.
Transmission Line Connectors	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	<p>Component Description: ERI Top-Mount Antenna ATW22H5-HTO12-14H</p> <p>Amount: \$65,943.00</p>
Sweep test of existing antenna	Information not provided.

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		\$21,896.30	
Transmission Line Bridge	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Rigid Transmission Line - copper, 6 1/8"	\$50,500.00	\$48,000.00	N/A	\$21,896.30	N/A
Sub-total	\$86,600.00	\$83,500.00	N/A	\$21,896.30	N/A
Total for all systems	\$2,713,462.68	\$2,623,195.85	N/A	\$1,437,054.81	N/A

Components

Actual Information	
Description	File Name
Flexible Air Transmission Line - dielectric, 4"	Information not provided.
Transmission Line Bridge	Information not provided.
Rigid Transmission Line - copper, 6 1/8"	<div>Component Description: Transmission Line System</div> <div>Amount: \$21,896.30</div>

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	\$658,343.16	\$656,043.16		\$522,249.34	
Tower Expenses	<i>\$2,640.00</i>	\$2,640.00	N/A	\$2,640.00	N/A
Weather Conditions	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
Stone and Gravel	<i>\$8,829.41</i>	\$8,829.41	N/A	\$6,935.60	N/A
Short Tower (less than 500')	\$84,200.00	\$81,900.00	N/A	N/A	N/A
Soil Conditions	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
New tower	<i>\$512,673.75</i>	\$512,673.75	N/A	\$512,673.74	N/A
Sub-total	\$658,343.16	\$656,043.16	N/A	\$522,249.34	N/A
Total for all systems	\$2,713,462.68	\$2,623,195.85	N/A	\$1,437,054.81	N/A

Components

Actual Information	
Description	File Name

Tower Expenses	<div> <div>Component Description:</div> <div>Review materials regarding existing tower; analyze applicable tower study requirement to known tower characteristics; draft analysis for client</div> </div> <div> <div>Amount:</div> <div>\$2,640.00</div> </div>
Weather Conditions	Information not provided.
Stone and Gravel	<div> <div>Component Description:</div> <div>Furnish and deliver #1 stone and Crusher Run stone</div> </div> <div> <div>Amount:</div> <div>\$6,935.60</div> </div>
Short Tower (less than 500')	Information not provided.
Soil Conditions	Information not provided.
New tower	<div> <div>Component Description:</div> <div>Custom Tower and Foundation and Tower Installation</div> </div> <div> <div>Amount:</div> <div>\$256,336.87</div> </div> <div> <div>Component Description:</div> <div>Custom Tower and Foundation and Tower Installation</div> </div> <div> <div>Amount:</div> <div>\$256,336.87</div> </div>

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	\$103,133.45	\$144,445.62		\$121,818.27	
Project management of the transition	\$15,800.00	\$33,364.27	Additional expenses were incurred as indicated in the attached invoices.	\$33,364.27	N/A
Interim Antenna Considerations	<i>\$5,000.00</i>	\$5,000.00	N/A	\$3,581.25	N/A
Additional Repack Legal Services Not Otherwise Specified in Form 399	<i>\$33,203.45</i>	\$33,203.45	Additional expenses were incurred as indicated in the attached invoices.	\$33,203.45	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 - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$2,541.40	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$3,000.00	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 and or review reimbursement form	\$2,630.00	\$39,127.90	Additional expenses were incurred as indicated in the attached invoices.	\$39,127.90	Additional expenses were incurred as indicated in the attached invoices.
Sub-total	\$103,133.45	\$144,445.62	N/A	\$121,818.27	N/A
Total for all systems	\$2,713,462.68	\$2,623,195.85	N/A	\$1,437,054.81	N/A

Components

Actual Information Description	File Name
Project management of the transition	<div> <div>Component Description:</div> <div>Project Management of Transition</div> </div> <div> <div>Amount:</div> <div>\$2,776.75</div> </div>
	<div> <div>Component Description:</div> <div>Project Management of Transition</div> </div> <div> <div>Amount:</div> <div>\$8,167.85</div> </div>
	<div> <div>Component Description:</div> <div>Project Management of Transition</div> </div> <div> <div>Amount:</div> <div>\$6,090.00</div> </div>
	<div> <div>Component Description:</div> <div>Project Management of Transition</div> </div> <div> <div>Amount:</div> <div>\$3,926.60</div> </div>

	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 status, tower analysis, vendor selection
	Amount:	\$2,025.00
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
Additional Repack Legal Services Not Otherwise Specified in Form 399		

Component Description:	Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees
Amount:	\$1,711.70

Component Description:	Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees.
Amount:	\$518.50

Component Description:	Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees
Amount:	\$581.00

Component Description:	Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees
Amount:	\$1,501.90

Component Description:	Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees
Amount:	\$1,106.25

Component Description:	Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees
Amount:	\$4,174.80

Component Description:	Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees.
Amount:	\$940.30

Component Description:	Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees
Amount:	\$5,441.60

Component Description:	Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees
Amount:	\$5,128.80

Component Description:	Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees
Amount:	\$1,387.40

Component Description:	Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees
Amount:	\$114.20

Component Description:	Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees
Amount:	\$5,391.70

	<p>Component Description:</p> <p>Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees</p> <p>Amount:</p> <p>\$5,205.30</p>
RF Exposure Measurements	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<p>Component Description:</p> <p>Attorney Fees - Prepare and File FCC Form 2100 CP.</p> <p>Amount:</p> <p>\$173.60</p> <p>Component Description:</p> <p>Attorney Fees - Prepare and File FCC Form 2100 CP.</p> <p>Amount:</p> <p>\$2,367.80</p>
Prepare request for Special Temporary Authorization	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<p>Component Description:</p> <p>Prepare engineering section of FCC Form 2100 CP Application</p> <p>Amount:</p> <p>\$3,000.00</p>
Perform engineering study for new channel assignment and antenna development	<p>Component Description:</p> <p>Perform engineering digital channel study for new channel assignment and antenna development for selected channel.</p> <p>Amount:</p> <p>\$7,000.00</p>
Prepare and or review reimbursement form	<p>Component Description:</p> <p>Prepare and or review reimbursement form.</p> <p>Amount:</p> <p>\$2,334.90</p> <p>Component Description:</p> <p>Prepare and or review reimbursement form</p> <p>Amount:</p> <p>\$354.70</p> <p>Component Description:</p> <p>Prepare and or review reimbursement form.</p> <p>Amount:</p> <p>\$1,133.70</p> <p>Component Description:</p> <p>Prepare and or review reimbursement form</p> <p>Amount:</p> <p>\$14,561.80</p>

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:	\$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:	\$356.00

Component Description:

Prepare and or
review
reimbursement form
\$1,414.60

Amount:

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$279,197.90	\$278,592.90		\$16,116.10	
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A
Services for land mobile interference identification process	<i>\$6,507.90</i>	\$6,507.90	N/A	\$6,507.90	Additional expenses were incurred as indicated in the attached invoices.
Site Security	<i>\$8,500.00</i>	\$8,500.00	N/A	N/A	N/A
Land Mobile Mitigation Group F Stations	<i>\$25,000.00</i>	\$25,000.00	Please see attachment.	N/A	N/A
Land Mobile Mitigation Group E Stations	<i>\$25,000.00</i>	\$25,000.00	Please see attachment.	N/A	N/A
Land Mobile Mitigation Group D Stations	<i>\$25,000.00</i>	\$25,000.00	Please see attachment.	N/A	N/A
Land Mobile Mitigation Group C Stations	<i>\$25,000.00</i>	\$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
Land Mobile Mitigation Expenses Engineering Evaluation	\$25,000.00	\$25,000.00	Please see attachment.	\$5,662.50	N/A
AC Line Conditioners	\$25,000.00	\$25,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$1,000.00	\$1,000.00	N/A	\$119.60	N/A
Develop and air announcement of upcoming channel change	\$2,500.00	\$2,500.00	N/A	N/A	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
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$3,826.10	N/A
Sub-total	\$279,197.90	\$278,592.90	N/A	\$16,116.10	N/A
Total for all systems	\$2,713,462.68	\$2,623,195.85	N/A	\$1,437,054.81	N/A

Components

Actual Information	
Description	File Name
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.
Services for land mobile interference identification process	<div> Component Description: Land Mobile Services Amount: \$223.90 </div> <div> Component Description: Land Mobile Web Site Implementation Amount: \$4,700.00 </div> <div> Component Description: Land Mobile Services Amount: \$1,584.00 </div>
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.
Land Mobile Mitigation Expenses Engineering Evaluation	<div> <div>Component Description:</div> <div>Land Mobile and Mask Filter design review</div> <div>Amount:</div> <div>\$4,612.50</div> </div> <div> <div>Component Description:</div> <div>Channel 14 Land Mobile adjacent filter protection research.</div> <div>Amount:</div> <div>\$1,050.00</div> </div>
AC Line Conditioners	Information not provided.
MVPD Notification of Channel Change	<div> <div>Component Description:</div> <div>MVPD Notification of Channel Change</div> <div>Amount:</div> <div>\$119.60</div> </div>
Develop and air announcement of upcoming channel change	Information not provided.
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 Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
DTV Medical Facility Notification	Component Description: Amount:	Medical Notification Mailing \$2,950.00
	Component Description: Amount:	DTV Medical Facility Notification \$342.10
	Component Description: Amount:	DTV Medical Facility Notification \$534.00

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$2,713,462.68	\$2,623,195.85	\$1,437,054.81

Reimbursement Status	Question	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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<p>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.</p>	
		<ol style="list-style-type: none"> 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.

<p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Michael Smith <i>President</i></p> <p>02/21/2019</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS 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 AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p>	
		<ol style="list-style-type: none"> 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. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. 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.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Michael Smith <i>President</i></p> <p>02/21/2019</p>

Attachments