



(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 **05/08**
Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

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

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
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 Accessories	See GatesAir Proposal Q-77816
Mask Filter System	See GatesAir Proposal Q-77816
Channel 14 Cost Not Listed	Additional Engineering
RF Components for Install	RF components and installation for main transmitter
Install Ch 14 filter and Mask	Install Ch 14 filter and transmitter mask filter

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
RF Engineer Consultant	Proposed tower construction; notification of same
Tower Expenses	Cursory Review
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
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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
	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

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
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
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
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		\$963,101.20	
Install Ch 14 filter and Mask	<i>\$3,500.00</i>	\$3,500.00	N/A	N/A	N/A
RF Components for Install	<i>\$6,000.00</i>	\$6,000.00	N/A	N/A	N/A
Channel 14 Cost Not Listed	<i>\$8,625.80</i>	\$8,625.80	Additional expenses were incurred as indicated in the attached invoices.	\$8,625.80	Additional expenses were incurred as indicated in the attached invoices.
Mask Filter System	<i>\$71,421.66</i>	\$71,421.66	N/A	\$37,779.82	N/A
RF Accessories	<i>\$63,987.22</i>	\$63,987.22	N/A	\$42,551.50	N/A
RF Consultant	<i>\$10,000.00</i>	\$10,000.00	N/A	\$2,250.00	N/A
Installation and Proof	<i>\$58,543.75</i>	\$58,543.75	N/A	\$38,931.59	N/A
Electrical	<i>\$9,007.62</i>	\$9,007.62	N/A	\$5,990.06	N/A
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	<i>\$818,624.12</i>	\$818,624.12	N/A	\$818,356.43	N/A

Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	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
Other Electrical Service: Transmitter disconnect service panel	\$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
Transmitter Building Modification	\$7,866.00	\$7,866.00	N/A	\$7,866.00	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	\$1,114,926.17	\$1,112,426.17	N/A	\$963,101.20	N/A
Total for all systems	\$2,768,328.43	\$2,702,454.50	N/A	\$1,792,165.77	N/A

Components

Actual Information	
Description	File Name
Install Ch 14 filter and Mask	Information not provided.
RF Components for Install	Information not provided.

Channel 14 Cost Not Listed

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: \$4,500.00

Component Description: Additional cost
information not
listed
Amount: \$969.80

Component Description: Additional cost
information not
listed
Amount: \$1,379.50

Component Description: Additional cost
information not
listed
Amount: \$1,127.80

Component Description: Additional cost
information not
listed
Amount: \$342.10

Mask Filter System	<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> <div> <div> Component Description: Amount: </div> <div> Mask Filter System for ULXTE-50 Transmitter per Quote Q-77816 \$23,569.17 </div> </div>
RF Accessories	<div> <div> Component Description: Amount: </div> <div> RF Accessories for ULXTE-50 Transmitter per Quote Q-77816 \$21,115.78 </div> </div> <div> <div> Component Description: Amount: </div> <div> RF Accessories for ULXTE-50 Transmitter per Quote Q-77816 \$21,435.72 </div> </div>
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>

Installation and Proof	<div> <div> Component Description: </div> <div> Installation and Proof for ULXTE-50 Transmitter per Quote Q-77816 </div> </div> <div> Amount: </div> <div> \$19,612.16 </div> <div> Component Description: </div> <div> Installation and Proof for ULXTE-50 Transmitter per Quote Q-77816 </div> <div> Amount: </div> <div> \$19,319.43 </div>
Electrical	<div> <div> Component Description: </div> <div> Electrical for ULXTE-50 Transmitter per Quote Q-77816 </div> </div> <div> Amount: </div> <div> \$3,017.55 </div> <div> Component Description: </div> <div> Electrical for ULXTE-50 Transmitter per Quote Q-77816 </div> <div> Amount: </div> <div> \$2,972.51 </div>

UHF - Liquid Cooled Solid State Transmitter 31.7 kW	Component Description:		New ULXTE-50 Transmitter per Quote Q-77816
	Amount:		\$273,971.40
	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:		\$270,145.95
Switchgear - industrial 800 amp	Information not provided.		
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.		
Other Electrical Service: Transmitter disconnect service panel	Information not provided.		
Old Transmitter Removal	Information not provided.		
Transmitter Building Modification	Component Description:		Site Survey
	Amount:		\$7,866.00

Channel 14 -- Additional
field engineering time, 2
days

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.

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		\$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	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Primary Antenna ATW22H5-HTO12-14H	\$266,030.00	\$149,986.00		\$65,943.00	
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

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
Sub-total	\$387,160.00	\$266,386.00	N/A	\$65,943.00	N/A
Total for all systems	\$2,768,328.43	\$2,702,454.50	N/A	\$1,792,165.77	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.
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.
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	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		\$29,363.80	
Rigid Transmission Line - copper, 6 1/8"	\$50,500.00	\$48,000.00	N/A	\$29,363.80	N/A
Transmission Line Bridge	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Sub-total	\$86,600.00	\$83,500.00	N/A	\$29,363.80	N/A
Total for all systems	\$2,768,328.43	\$2,702,454.50	N/A	\$1,792,165.77	N/A

Components

Actual Information	
Description	File Name
Flexible Air Transmission Line - dielectric, 4"	Information not provided.

Rigid Transmission Line - copper, 6 1/8"	<div> <div> Component Description: 6-1/8" OHM UHG Fine Matcher; invisi-shield assembly leg mount </div> <div> Amount: \$7,467.50 </div> </div> <div> <div> Component Description: Transmission Line System </div> <div> Amount: \$21,896.30 </div> </div>
Transmission Line Bridge	Information not provided.

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	\$664,596.22	\$662,296.22		\$528,002.41	
New tower	<i>\$516,426.81</i>	\$516,426.81	Additional expenses were incurred as indicated in the attached invoices.	\$516,426.81	N/A
Soil Conditions	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
Weather Conditions	<i>\$25,000.00</i>	\$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	<i>\$2,640.00</i>	\$2,640.00	N/A	\$2,640.00	Additional expenses were incurred as indicated in the attached invoices.
Stone and Gravel	<i>\$8,829.41</i>	\$8,829.41	N/A	\$6,935.60	N/A
RF Engineer Consultant	<i>\$2,500.00</i>	\$2,500.00	N/A	\$2,000.00	N/A

Sub-total	\$664,596.22	\$662,296.22	N/A	\$528,002.41	N/A
Total for all systems	\$2,768,328.43	\$2,702,454.50	N/A	\$1,792,165.77	N/A

Components

Actual Information	
Description	File Name
New tower	<p>Component Description: Freight Charge for New Tower per Proposal 20180619-498</p> <p>Amount: \$3,753.07</p> <p>Component Description: Custom Tower and Foundation and Tower Installation</p> <p>Amount: \$256,336.87</p> <p>Component Description: Custom Tower and Foundation and Tower Installation</p> <p>Amount: \$256,336.87</p>
Soil Conditions	Information not provided.
Weather Conditions	Information not provided.
Short Tower (less than 500')	Information not provided.

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>
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>
RF Engineer Consultant	<div> <div>Component Description:</div> <div>RF Engineer Consultant</div> </div> <div> <div>Amount:</div> <div>\$2,000.00</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	\$150,795.04	\$216,500.11		\$187,758.36	
Insurance Costs	<i>\$15,559.09</i>	\$15,559.09	N/A	\$15,559.09	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>\$61,095.95</i>	\$61,095.95	Additional expenses were incurred as indicated in the attached invoices.	\$61,095.95	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
Project management of the transition	\$15,800.00	\$53,768.07	Additional expenses were incurred as indicated in the attached invoices.	\$47,653.67	Additional expenses were incurred as indicated in the attached invoices.
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
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	\$45,318.00	Additional expenses were incurred as indicated in the attached invoices.	\$45,318.00	Additional expenses were incurred as indicated in the attached invoices.
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
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 - 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 request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Sub-total	\$150,795.04	\$216,500.11	N/A	\$187,758.36	N/A
Total for all systems	\$2,768,328.43	\$2,702,454.50	N/A	\$1,792,165.77	N/A

Components

Actual Information	
Description	File Name
Insurance Costs	<div> <div> Component Description: Amount: </div> <div> Excess liability Insurance coverage for repack related equipment installation and transportation \$11,045.70 </div> </div> <div> <div> Component Description: Amount: </div> <div> General liability Insurance coverage for repack related equipment installation and transportation \$4,513.39 </div> </div>

Interim Antenna Considerations	<div> <div> Component Description: </div> <div> Design parameters and antenna mounting elevations optimization of interim antenna </div> </div> <div> Amount: </div> <div> \$1,631.25 </div>
	<div> <div> Component Description: </div> <div> Interim Antenna operation review of possible reduced power operation; considerations with regards to tower loading. </div> </div> <div> Amount: </div> <div> \$1,950.00 </div>
Additional Repack Legal Services Not Otherwise Specified in Form 399	<div> <div> Component Description: </div> <div> Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees. </div> </div> <div> Amount: </div> <div> \$518.50 </div>
	<div> <div> Component Description: </div> <div> Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees </div> </div> <div> Amount: </div> <div> \$1,501.90 </div>

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:	\$114.20

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:	\$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:	\$17,123.50

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:	\$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:	\$940.30

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

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:	\$10,769.00

	<div> <div>Component Description:</div> <div>Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees</div> </div> <div> <div>Amount:</div> <div>\$5,205.30</div> </div>
RF Exposure Measurements	Information not provided.
Project management of the transition	<div> <div>Component Description:</div> <div>Project Management of Transition</div> </div> <div> <div>Amount:</div> <div>\$337.50</div> </div> <div> <div>Component Description:</div> <div>Project Management of Transition</div> </div> <div> <div>Amount:</div> <div>\$625.00</div> </div> <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>\$312.50</div> </div> <div> <div>Component Description:</div> <div>Project Management of Transition</div> </div> <div> <div>Amount:</div> <div>\$6,114.40</div> </div>

Component Description:	Project Management of Transition
Amount:	\$8,167.85

Component Description:	Project Management of Transition
Amount:	\$7,848.15

Component Description:	Project status, tower analysis, vendor selection
Amount:	\$2,025.00

Component Description:	Project Management of Transition
Amount:	\$6,090.00

Component Description:	Project Management of Transition
Amount:	\$5,883.07

Component Description:	Project Management of Transition
Amount:	\$3,926.60

Component Description:	Project Management of Transition
Amount:	\$4,495.00

	Component Description: Amount:	Project Management of Transition \$112.50
	Component Description: Amount:	Project Management of Transition \$4,603.75
	Component Description: Amount:	Project Management of Transition \$450.00
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	Perform engineering digital channel study for new channel assignment and antenna development for selected channel. \$7,000.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Prepare engineering section of FCC Form 2100 CP Application \$3,000.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	
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:	\$6,946.60

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.
Amount:	\$2,121.40

Component Description:	Prepare and or review reimbursement form
Amount:	\$354.70

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 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:	\$1,133.70

Component Description:	Prepare and or review reimbursement form
Amount:	\$1,414.60

Component Description:	Prepare and or review reimbursement form
Amount:	\$14,561.80

Component Description:	Prepare and or review reimbursement form
Amount:	\$375.00

Component Description:	Prepare and or review reimbursement form
Amount:	\$4,241.20

<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="702 188 1015 226">Component Description:</td><td data-bbox="1147 188 1345 342">Attorney Fees - Prepare and File FCC Form 2100 CP.</td></tr> <tr> <td data-bbox="702 349 815 387">Amount:</td><td data-bbox="1147 349 1267 387">\$2,367.80</td></tr> <tr> <td data-bbox="702 490 1015 528">Component Description:</td><td data-bbox="1147 490 1345 645">Attorney Fees - Prepare and File FCC Form 2100 CP.</td></tr> <tr> <td data-bbox="702 651 815 689">Amount:</td><td data-bbox="1147 651 1246 689">\$173.60</td></tr> </table>	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
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								
<p>Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application</p>	<p>Information not provided.</p>								
<p>Attorney Fees - Negotiation of lease and other matters for shared locations</p>	<table> <tr> <td data-bbox="702 1014 1015 1052">Component Description:</td><td data-bbox="1147 1014 1378 1169">Review of Tower Lease; discussions with landlord regarding site lease</td></tr> <tr> <td data-bbox="702 1176 815 1214">Amount:</td><td data-bbox="1147 1176 1246 1214">\$728.00</td></tr> <tr> <td data-bbox="702 1317 1015 1355">Component Description:</td><td data-bbox="1147 1317 1378 1471">Review of Tower Lease; discussions with landlord regarding site lease</td></tr> <tr> <td data-bbox="702 1478 815 1516">Amount:</td><td data-bbox="1147 1478 1267 1516">\$1,281.00</td></tr> </table>	Component Description:	Review of Tower 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
Component Description:	Review of Tower 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								
<p>Attorney Fees - Prepare and File request for Special Temporary Authorization</p>	<p>Information not provided.</p>								

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	\$280,051.00	\$279,446.00		\$17,997.00	
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	<i>\$25,000.00</i>	\$25,000.00	Please see attachment.	N/A	N/A
Land Mobile Mitigation Group A Stations	<i>\$25,000.00</i>	\$25,000.00	Please see attachment.	N/A	N/A
Land Mobile Mitigation Expenses Engineering Evaluation	<i>\$25,000.00</i>	\$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	\$1,853.10	\$1,853.10	Additional expenses were incurred as indicated in the attached invoices.	\$1,853.10	Additional expenses were incurred as indicated in the attached invoices.
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
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
Non-zoning permits	\$2,500.00	\$2,500.00	LOCAL ELECTRICAL PERMITS AND DRAWINGS	N/A	N/A
Services for land mobile interference identification process	\$6,507.90	\$6,507.90	N/A	\$6,507.90	Additional expenses were incurred as indicated in the attached invoices.
Sub-total	\$280,051.00	\$279,446.00	N/A	\$17,997.00	N/A
Total for all systems	\$2,768,328.43	\$2,702,454.50	N/A	\$1,792,165.77	N/A

Components

Actual Information Description	File Name
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	Component Description:		Channel 14 Land Mobile adjacent filter protection research.
	Amount:		\$1,050.00
	Component Description:		Land Mobile and Mask Filter design review
	Amount:		\$4,612.50
AC Line Conditioners	Information not provided.		
MVPD Notification of Channel Change	Component Description:		MVPD Notification of Channel Change
	Amount:		\$119.60
	Component Description:		MVPD Notification of Channel Change
	Amount:		\$49.00
	Component Description:		MVPD Notification of Channel Change
	Amount:		\$1,684.50
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.		

DTV Medical Facility Notification	Component Description: Medical Notification Mailing Amount: \$2,950.00
	Component Description: DTV Medical Facility Notification Amount: \$342.10
	Component Description: DTV Medical Facility Notification Amount: \$147.40
	Component Description: DTV Medical Facility Notification Amount: \$534.00
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
Non-zoning permits	Information not provided.

Services for land mobile interference identification process		
	Component Description:	Land Mobile Services
	Amount:	\$223.90
	Component Description:	Land Mobile Web Site Implementation
	Amount:	\$4,700.00
	Component Description:	Land Mobile Services
	Amount:	\$1,584.00

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$2,768,328.43	\$2,702,454.50
			\$1,792,165.77

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>05/08/2019</p>

Attachments