



(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 **10/18**  
Submitted: **/2018**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>Living Faith Ministries, Inc.</b> 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
<b>Timothy Z Sawyer</b> <i>Technical Consultant</i> <i>Mullaney Engineering, Inc.</i>	4937 G - Green Valley Road Monrovia, MD 21770 United States	+1 (301) 921-0115	mullaney@mullengr.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
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	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
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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
<b>RF Components for Install</b>	RF components and installation for main transmitter
<b>Transmitter Building Modification</b>	See GatesAir Proposal Q-75623
<b>Install Ch 14 filter and Mask</b>	Install Ch 14 filter and transmitter mask filter

<b>Old Transmitter Removal</b>	Remove old transmitter from site
<b>RF Accessories</b>	See GatesAir Proposal Q-77816
<b>Channel 14 Cost Not Listed</b>	Additional Engineering
<b>RF Consultant</b>	Provide installation support services and review of associated systems during the installation of the primary transmitter
<b>Mask Filter System</b>	See GatesAir Proposal Q-77816
<b>Electrical</b>	See GatesAir Proposal Q-77816
<b>Installation and Proof</b>	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
<b>New Antenna Description</b>	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
<b>New Antenna Manufacturer and Types</b>	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
<b>Combiner for Shared Antenna</b>	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
<b>Elbow Complex</b>	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
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	No

<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	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
<b>New Antenna Description</b>	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
<b>New Antenna Manufacturer and Type</b>	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
<b>Existing Transmission Line Description</b>	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
<b>Existing Transmission Line Manufacturer and Type</b>	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
<b>New Transmission Line Costs</b>	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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<b>Transmission Line Bridge</b>	Cost estimated; actual length will determine actual cost.
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**Interim**  
**Transmission Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	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
<b>Construct New Tower</b>	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
<b>Tower Rigging Costs</b>	Complex Tower	N/A
<b>Helicopter Services Required</b>	Are helicopter services required?	No

**Primary  
Tower**

**Other Tower Expenses Not Listed**

Name	Description
<b>Weather Conditions</b>	Winter weather conditions restricting access and crew working conditions
<b>Soil Conditions</b>	Actual Soil Conditions versus assumed standard soil conditions

**Outside  
Professional**

Section	Question	Response
<b>Services Costs Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	100
	Explanation	CONSULTING SERVICES DURING TRANSITION STATION DOES NOT HAVE RESOURCES ON STAFF
<b>Outside RF consulting Engineering Services</b>	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
<b>Attorney and Other Outside Consulting Services</b>	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
<b>RF Field Engineering Services</b>	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
<b>Additional Repack Legal Services Not Otherwise Specified in Form 399</b>	Non-catalog legal services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees.



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**Interim Antenna Considerations**

Consulting Engineer Interim Antenna  
Operations Analysis

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## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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
<b>Permit and Filing Costs</b>	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
<b>Other Miscellaneous Expenses</b>	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
<b>Land Mobile Mitigation Group E Stations</b>	Preliminary Estimate of LM Filters/RF Traps /Mitigation Expenses Group E Stations
<b>Land Mobile Mitigation Group F Stations</b>	Preliminary Estimate of LM Filters/RF Traps /Mitigation Expenses Group F Stations
<b>Land Mobile Mitigation Group B Stations</b>	Preliminary Estimate of LM Filters/RF Traps /Mitigation Expenses Group B Stations
<b>AC Line Conditioners</b>	Electrical Surge Suppressor - for Solid State Transmitter
<b>Land Mobile Mitigation Expenses Engineering Evaluation</b>	Preliminary Estimate of LM Filters/RF Traps /Mitigation Engineering Evaluation
<b>Land Mobile Mitigation Group A Stations</b>	Preliminary Estimate of LM Filters/RF Traps /Mitigation Expenses Group A Stations
<b>Site Security</b>	Site security service for tower location while construction is underway
<b>Land Mobile Mitigation Group C Stations</b>	Preliminary Estimate of LM Filters/RF Traps /Mitigation Expenses Group C Stations
<b>Land Mobile Mitigation Group D Stations</b>	Preliminary Estimate of LM Filters/RF Traps /Mitigation Expenses Group D Stations

## 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
<b>Primary Transmitter ULXTE-50</b>	<b>\$1,108,800.37</b>	<b>\$1,106,300.37</b>		<b>\$340,673.54</b>	
Installation and Proof	<i>\$58,543.75</i>	\$58,543.75	N/A	\$19,319.43	N/A
Electrical	<i>\$9,007.62</i>	\$9,007.62	N/A	\$2,972.51	N/A
Mask Filter System	<i>\$71,421.66</i>	\$71,421.66	N/A	\$23,569.17	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>\$2,500.00</i>	\$2,500.00	N/A	\$550.70	N/A
RF Accessories	<i>\$63,987.22</i>	\$63,987.22	N/A	\$21,115.78	N/A
Old Transmitter Removal	<i>\$4,500.00</i>	\$4,500.00	N/A	N/A	N/A
Install Ch 14 filter and Mask	<i>\$3,500.00</i>	\$3,500.00	N/A	N/A	N/A
Transmitter Building Modification	<i>\$7,866.00</i>	\$7,866.00	N/A	N/A	N/A
RF Components for Install	<i>\$6,000.00</i>	\$6,000.00	N/A	N/A	N/A

Other Electrical Service: Transmitter disconnect service panel	<b>\$3,500.00</b>	\$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	<b>\$818,624.12</b>	\$818,624.12	N/A	\$270,145.95	N/A
Channel 14 -- Additional field engineering time, 2 days	<b>\$750.00</b>	\$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
<b>Sub-total</b>	\$1,108,800.37	\$1,106,300.37	N/A	\$340,673.54	N/A
<b>Total for all systems</b>	\$2,681,254.12	\$2,558,495.12	N/A	\$838,583.41	N/A

## Components

Actual Information Description	File Name
Installation and Proof	<div> <div>Component Description:</div> <div>Installation and Proof for ULXTE-50 Transmitter per Quote Q-77816</div> </div> <div> <div>Amount:</div> <div>\$19,319.43</div> </div>
Electrical	<div> <div>Component Description:</div> <div>Electrical for ULXTE-50 Transmitter per Quote Q-77816</div> </div> <div> <div>Amount:</div> <div>\$2,972.51</div> </div>
Mask Filter System	<div> <div>Component Description:</div> <div>Mask Filter System for ULXTE-50 Transmitter per Quote Q-77816</div> </div> <div> <div>Amount:</div> <div>\$23,569.17</div> </div>
RF Consultant	<div> <div>Component Description:</div> <div>Repack Channel 14 transmission RF system review; RF power calculations for transmitter sizing.</div> </div> <div> <div>Amount:</div> <div>\$2,250.00</div> </div>

Channel 14 Cost Not Listed	<b>Component Description:</b>	Additional cost information not listed
	<b>Amount:</b>	\$208.60
	<b>Component Description:</b>	Additional cost information not listed
	<b>Amount:</b>	\$342.10
RF Accessories	<b>Component Description:</b>	RF Accessories for ULXTE-50 Transmitter per Quote Q-77816
	<b>Amount:</b>	\$21,115.78
Old Transmitter Removal	Information not provided.	
Install Ch 14 filter and Mask	Information not provided.	
Transmitter Building Modification	Information not provided.	
RF Components for Install	Information not provided.	
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	<b>Component Description:</b>	New ULXTE-50 Transmitter per Quote Q-77816
	<b>Amount:</b>	\$270,145.95

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
<b>Interim Antenna AL120-49-PM</b>	<b>\$121,130.00</b>	<b>\$116,400.00</b>		<b>\$0.00</b>	
Transmission Line Connectors	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	\$89,400.00	\$85,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
<b>Primary Antenna ATW22H5-HTO12-14H</b>	<b>\$266,030.00</b>	<b>\$149,986.00</b>		<b>\$131,886.00</b>	
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	\$131,886.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
<b>Sub-total</b>	\$387,160.00	\$266,386.00	N/A	\$131,886.00	N/A
<b>Total for all systems</b>	\$2,681,254.12	\$2,558,495.12	N/A	\$838,583.41	N/A

## Components

Actual Information	
Description	File Name
Transmission Line Connectors	Information not provided.
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.
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><b>Component Description:</b> ERI Top-Mount Antenna ATW22H5-HTO12-14H</p> <p><b>Amount:</b> \$131,886.00</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		\$43,792.60	
Rigid Transmission Line - copper, 6 1/8"	\$50,500.00	\$48,000.00	N/A	\$43,792.60	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	\$43,792.60	N/A
Total for all systems	\$2,681,254.12	\$2,558,495.12	N/A	\$838,583.41	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>Component Description: Transmission Line System</div> <div>Amount: \$43,792.60</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	\$646,873.75	\$644,573.75		\$256,336.87	
New tower	<i>\$512,673.75</i>	\$512,673.75	N/A	\$256,336.87	N/A
Weather Conditions	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
Soil 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
Sub-total	\$646,873.75	\$644,573.75	N/A	\$256,336.87	N/A
Total for all systems	\$2,681,254.12	\$2,558,495.12	N/A	\$838,583.41	N/A

Components

Actual Information	
Description	File Name
New tower	<div>Component Description: Custom Tower and Foundation and Tower Installation</div> <div>Amount: \$256,336.87</div>
Weather Conditions	Information not provided.

Soil Conditions	Information not provided.
Short Tower (less than 500')	Information not provided.

## 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
<b>Outside Professional Services</b>	<b>\$94,930.00</b>	<b>\$103,750.00</b>		<b>\$60,231.90</b>	
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>\$25,000.00</i>	\$25,000.00	Additional expenses were incurred as indicated in the attached invoices.	\$17,307.15	N/A
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
Project management of the transition	\$15,800.00	\$15,000.00	N/A	\$2,025.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$25,000.00	Additional expenses were incurred as indicated in the attached invoices.	\$24,777.10	Additional expenses were incurred as indicated in the attached invoices.
<b>Sub-total</b>	\$94,930.00	\$103,750.00	N/A	\$60,231.90	N/A
<b>Total for all systems</b>	\$2,681,254.12	\$2,558,495.12	N/A	\$838,583.41	N/A



## Components

Actual Information	File Name	
Description		
Interim Antenna Considerations	<b>Component Description:</b>	Interim Antenna operation review of possible reduced power operation; considerations with regards to tower loading.
	<b>Amount:</b>	\$1,950.00
	<b>Component Description:</b>	Design parameters and antenna mounting elevations optimization of interim antenna
	<b>Amount:</b>	\$1,631.25
Additional Repack Legal Services Not Otherwise Specified in Form 399	<b>Component Description:</b>	Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non- catalog legal fees
	<b>Amount:</b>	\$581.00
	<b>Component Description:</b>	Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non- catalog legal fees.
	<b>Amount:</b>	\$940.30

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

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

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

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

	<p><b>Component Description:</b></p> <p>Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees.</p> <p><b>Amount:</b></p> <p>\$518.50</p>
	<p><b>Component Description:</b></p> <p>Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees</p> <p><b>Amount:</b></p> <p>\$114.20</p>
	<p><b>Component Description:</b></p> <p>Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees</p> <p><b>Amount:</b></p> <p>\$1,106.25</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.

<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="702 100 1133 324"> <p><b>Component Description:</b></p> </td><td data-bbox="1133 100 1426 324"> <p>Attorney Fees - Prepare and File FCC Form 2100 CP.</p> </td></tr> <tr> <td data-bbox="702 324 1133 414"> <p><b>Amount:</b></p> </td><td data-bbox="1133 324 1426 414"> <p>\$2,367.80</p> </td></tr> <tr> <td data-bbox="702 414 1133 638"> <p><b>Component Description:</b></p> </td><td data-bbox="1133 414 1426 638"> <p>Attorney Fees - Prepare and File FCC Form 2100 CP.</p> </td></tr> <tr> <td data-bbox="702 638 1133 725"> <p><b>Amount:</b></p> </td><td data-bbox="1133 638 1426 725"> <p>\$173.60</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>Attorney Fees - Prepare and File FCC Form 2100 CP.</p>	<p><b>Amount:</b></p>	<p>\$2,367.80</p>	<p><b>Component Description:</b></p>	<p>Attorney Fees - Prepare and File FCC Form 2100 CP.</p>	<p><b>Amount:</b></p>	<p>\$173.60</p>
<p><b>Component Description:</b></p>	<p>Attorney Fees - Prepare and File FCC Form 2100 CP.</p>								
<p><b>Amount:</b></p>	<p>\$2,367.80</p>								
<p><b>Component Description:</b></p>	<p>Attorney Fees - Prepare and File FCC Form 2100 CP.</p>								
<p><b>Amount:</b></p>	<p>\$173.60</p>								
<p>Prepare request for Special Temporary Authorization</p>	<p>Information not provided.</p>								
<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<p>Information not provided.</p>								
<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="702 1039 1133 1263"> <p><b>Component Description:</b></p> </td><td data-bbox="1133 1039 1426 1263"> <p>Prepare engineering section of FCC Form 2100 CP Application</p> </td></tr> <tr> <td data-bbox="702 1263 1133 1366"> <p><b>Amount:</b></p> </td><td data-bbox="1133 1263 1426 1366"> <p>\$3,000.00</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>Prepare engineering section of FCC Form 2100 CP Application</p>	<p><b>Amount:</b></p>	<p>\$3,000.00</p>				
<p><b>Component Description:</b></p>	<p>Prepare engineering section of FCC Form 2100 CP Application</p>								
<p><b>Amount:</b></p>	<p>\$3,000.00</p>								
<p>Perform engineering study for new channel assignment and antenna development</p>	<table> <tr> <td data-bbox="702 1366 1133 1758"> <p><b>Component Description:</b></p> </td><td data-bbox="1133 1366 1426 1758"> <p>Perform engineering digital channel study for new channel assignment and antenna development for selected channel.</p> </td></tr> <tr> <td data-bbox="702 1758 1133 1850"> <p><b>Amount:</b></p> </td><td data-bbox="1133 1758 1426 1850"> <p>\$7,000.00</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>Perform engineering digital channel study for new channel assignment and antenna development for selected channel.</p>	<p><b>Amount:</b></p>	<p>\$7,000.00</p>				
<p><b>Component Description:</b></p>	<p>Perform engineering digital channel study for new channel assignment and antenna development for selected channel.</p>								
<p><b>Amount:</b></p>	<p>\$7,000.00</p>								

Project management of the transition	<div> <div>Component Description:</div> <div>Project status, tower analysis, vendor selection</div> </div> <div> <div>Amount:</div> <div>\$2,025.00</div> </div>
Prepare and or review reimbursement form	<div> <div>Component Description:</div> <div>Prepare and or review reimbursement form.</div> </div> <div> <div>Amount:</div> <div>\$2,334.90</div> </div>
	<div> <div>Component Description:</div> <div>Prepare and or review reimbursement form.</div> </div> <div> <div>Amount:</div> <div>\$2,121.40</div> </div>
	<div> <div>Component Description:</div> <div>Prepare budget for FCC Form 399 including reimbursement for expenses including vendor review and technical justification.</div> </div> <div> <div>Amount:</div> <div>\$2,500.00</div> </div>
	<div> <div>Component Description:</div> <div>Prepare and or review reimbursement form</div> </div> <div> <div>Amount:</div> <div>\$354.70</div> </div>
	<div> <div>Component Description:</div> <div>Prepare and or review reimbursement form</div> </div> <div> <div>Amount:</div> <div>\$14,561.80</div> </div>

<b>Component Description:</b>	Prepare and or review reimbursement form
<b>Amount:</b>	\$356.00

<b>Component Description:</b>	Prepare and or review reimbursement form.
<b>Amount:</b>	\$1,133.70

<b>Component Description:</b>	Prepare and or review reimbursement form
<b>Amount:</b>	\$1,414.60

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**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	\$272,690.00	\$272,085.00		\$5,662.50	
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 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	<i>\$25,000.00</i>	\$25,000.00	N/A	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 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

MVPD Notification of Channel Change	<b>\$1,000.00</b>	\$1,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<b>\$2,500.00</b>	\$2,500.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<b>\$25,000.00</b>	\$25,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<b>\$20,000.00</b>	\$20,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A
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	<b>\$2,500.00</b>	\$2,500.00	LOCAL ELECTRICAL PERMITS AND DRAWINGS	N/A	N/A



Site Security	<b>\$8,500.00</b>	\$8,500.00	N/A	N/A	N/A
<b>Sub-total</b>	\$272,690.00	\$272,085.00	N/A	\$5,662.50	N/A
<b>Total for all systems</b>	\$2,681,254.12	\$2,558,495.12	N/A	\$838,583.41	N/A

## Components

Actual Information	
Description	File Name
Land Mobile Mitigation Group D Stations	Information not provided.
Land Mobile Mitigation Group C Stations	Information not provided.
Land Mobile Mitigation Group A Stations	Information not provided.
Land Mobile Mitigation Expenses Engineering Evaluation	<div> <b>Component Description:</b> Land Mobile and Mask Filter design review  <b>Amount:</b> \$4,612.50 </div> <div> <b>Component Description:</b> Channel 14 Land Mobile adjacent filter protection research.  <b>Amount:</b> \$1,050.00 </div>
AC Line Conditioners	Information not provided.
Land Mobile Mitigation Group B Stations	Information not provided.
Land Mobile Mitigation Group F Stations	Information not provided.
Land Mobile Mitigation Group E Stations	Information not provided.
MVPD Notification of Channel Change	Information not provided.

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	Information not provided.
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.
Site Security	Information not provided.

**Cost  
Information****Grand Total**

	<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>	<b>Actual Cost</b>
<b>Total for all systems</b>	\$2,681,254.12	\$2,558,495.12	\$838,583.41

**Reimbursement Status**

<b>Question</b>	<b>Response</b>
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"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> </ol>	

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><b>Michael Smith</b> <i>President</i></p> <p>10/18/2018</p>

## Attachments