Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **22108** | Service: **DTV** | Call Sign: **WFWA** | Channel: **18 (UHF)**

File Number: **0000027861**

FRN: **0007158843** | Date Submitted: **04/20/2018**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Appl Type
FORT WAYNE PUBLIC TELEVISION, INC. Doing Business As: FORT WAYNE PUBLIC TELEVISION, INC.	2501 EAST COLISEUM BOULEVARD FORT WAYNE, IN 46805 United States	+1 (260) 484-8839	brucehaines@wfwa.org	Not-f Profi

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
Robert Gehman *ConsultingEngineer* *Kessler and Gehman Associates, Inc.*	Robert Gehman 507 NW 60 Street Suite D Gainesville, FL 32607 United States	+1 (352) 332-3157	bob@kesslerandgeh 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	Map & analyze tower; modify if needed. Repl transmitter and antenna. Acquire interim ante system to keep station on air while replacing antenna and for the duration of the phase. Se attached Transition Plan.

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 Ne
	Use	Primary (Mai
	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	DTT5CSWU
	Year	2013
	Type	Solid State
	Solid State Cooling	Liquid Coole
	Solid State Power Capacity	9.6 kW

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Mai
	Change Type	Purchase Ne
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	TBD
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Coole
	Solid State Power capacity	10 kW
	Justification for New Transmitter	Manufacture existing transmitter is of business a no support is available for existing transmitter.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	100.0 feet
	Other Electrical Service	No
	Description	N/A

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 leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Standby Exciter and Switch	Standby Exciter with Automatic Change Over Switch
Additional Interior RF System	Additional Interior RF System for new transm

Antennas

Section	Question	Response
Antenna Related Expenses	Do you have antenna related expenses?	Yes

Primary Antenna

Add Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase Ne
	Antenna Use	Primary (Mai
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this antenna currently shared with any other stations?	No
	Is this 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	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coax
	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)	152.8 kW
	Manufacturer	

Model	TFU-28GTH-04 DC
Year	2004

Primary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Mai
	Description of Use	N/A
	Change Type	Purchase Ne
	Is this a request for upgraded equipment?	No
	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 Coax
	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)	109.0 kW
	Manufacturer	
	Model	TBD
	Year	2018

	Justification for New Antenna	The existing primary ante is a single channel slott coaxial whicl cannot accommodat the assigned channel.

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 Chan
	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 Ne
	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 Coax
	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)	152.8 kW
	Manufacturer	
	Model	TBD
	Year	2018

	Justification for New Antenna	An interim antenna is necessary to keep station the air during primary ante replacement for the durati of the assign phase.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Interim Antenna

Other Antenna Cost Not Listed

Information not provided.

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	Utilize Existi
	Use	Primary (Mai
	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	Dielectric
	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	770 feet per

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Primary Line Sweep	Sweep line to confirm operation on new chan

Interim Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase Ne
	Type	Flexible Air
	Diameter	3 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	1
	Length	550 feet per
	Justification for New Transmission Line	An interim transmission is necessary the interim antenna to k station on th during prima antenna replacement for the durati of the assign phase.

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	Modify Existi
	Tower Use	Primary (Mai
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	Yes
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1030891
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	41° 06' 13.0"
	Longitude (NAD83)	085° 11' 28.(
	Overall Structure Height	747.04 feet
	Support Structure Height	695.53 feet
	Ground Elevation Above Mean Sea Level (AMSL)	813.64 feet
	Structure Type	TOWER - Fr Standing or Guyed Struc

Tower Owner	FORT WAYN PUBLIC TELEVISION
Date Constructed	07/01/1988

FM, AM or TV radio broadcasters. Facility ID's, Call Signs and Services of other broadcast stations with whom the tower is shared

Facility ID	Call Sign	Service
59132	WAJI	FM

Other Types of Users

Users
WINM
ATF
DEA
NOAA
INDDC
FBI

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study neede undocument /poorly documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Major Reinforceme needed

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

Information not provided.

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	183
	Explanation	It will be necessary to schedule and coordinate multiple vend complete progress rep and update Schedule 39 Station does have availab personnel or personnel trained in pro managemen such comple projects.
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	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	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	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	Yes
	Number of Days	22

	Justification	It will be necessary to survey the si plan the equipment, develop specification purchasing, a oversee mult vendor RF projects. Sta does not hav available personnel or personnel trained in suc services.

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Information not provided.

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	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	No
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?	Yes
	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

Bank Fee	Increase and Renew Bank Line of Credit, plu estimate for Interest for a one year period

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 Justific
Primary Transmitter TBD	**$728,450.00**	**$700,500.00**		**$103,386.73**	
Additional Interior RF System	***$140,000.00***	$140,000.00	N/A	N/A	N/A
Standby Exciter and Switch	***$25,000.00***	$25,000.00	N/A	N/A	N/A
3" Rigid Conduit and Wiring (Cost per foot)	$5,200.00	$4,900.00	N/A	N/A	N/A
Transformer 3 phase/480v - 150 KVA	$25,550.00	$24,300.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	$38,200.00	$36,300.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	$494,500.00	$470,000.00	N/A	$103,386.73	N/A
Sub-total	$728,450.00	$700,500.00	N/A	$103,386.73	N/A
Total for all systems	$2,182,954.00	$1,931,537.50	N/A	$288,338.05	N/A

Components

Actual Information Description	File Name
Additional Interior RF System	Information not provided.
Standby Exciter and Switch	Information not provided.
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

Transformer 3 phase/480v - 150 KVA	Information not provided.	
Switchgear - industrial 800 amp	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	**Component Description:** **Amount:**	One third down payment for transmitter WFWA $103,386.73

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 Justific
Interim Antenna TBD	**$226,240.00**	**$58,537.50**		**$13,437.50**	
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	$89,400.00	$0.00	N/A	N/A	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$0.00	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
Side mount brackets for high power antennas (if not included in antenna base cost)	$23,150.00	$22,000.00	N/A	N/A	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	$5,260.00	$5,000.00	N/A	N/A	N/A

UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	$89,400.00	$13,437.50	***System Notice: Estimate adjusted and locked because line has been superseded. ***	$13,437.50	N/A
Primary Antenna TBD	**$266,030.00**	**$253,100.00**		**$96,875.00**	
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	$247,000.00	$235,000.00	N/A	$96,875.00	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	$492,270.00	$311,637.50	N/A	$110,312.50	N/A
Total for all systems	$2,182,954.00	$1,931,537.50	N/A	$288,338.05	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.
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.

Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	**Component Description:** **Amount:**	Down Payment for Interim Antenna WFWA $13,437.50
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	**Component Description:** **Amount:**	Down payment for Primary Antenna WFWA $96,875.00
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 Justific
Interim Transmission Line	**$32,450.00**	**$30,800.00**		**$0.00**	
Flexible Air Transmission Line - dielectric, 3"	$32,450.00	$30,800.00	N/A	N/A	N/A
Primary Transmission Line	**$6,400.00**	**$6,400.00**		**$0.00**	
Primary Line Sweep	***$6,400.00***	$6,400.00	Sweep needed to confirm acceptability of existing line on assigned channel.	N/A	N/A
Sub-total	$38,850.00	$37,200.00	N/A	$0.00	N/A
Total for all systems	$2,182,954.00	$1,931,537.50	N/A	$288,338.05	N/A

Components

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 Justific
Primary Tower TOWER	**$657,800.00**	**$625,000.00**		**$16,875.00**	
Major tower reinforcement /modifications	$421,000.00	$400,000.00	N/A	$6,125.00	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	$26,300.00	$25,000.00	N/A	$10,750.00	N/A
Tall Tower (greater than 500')	$210,500.00	$200,000.00	N/A	N/A	N/A
Sub-total	$657,800.00	$625,000.00	N/A	$16,875.00	N/A
Total for all systems	$2,182,954.00	$1,931,537.50	N/A	$288,338.05	N/A

Components

Actual Information Description	File Name	
Major tower reinforcement /modifications	**Component Description:**	Geotechnical survey and report for tower foundation analysis WFWA
	Amount:	$6,125.00

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	**Component Description:** **Amount:**	Balance due for Towe Structural Analysis. See WFWA Structura Analysis - Quote, attached. $2,000.00
	Component Description: **Amount:**	50 percent down payment for Structura Analysis and Report. See WFWA Structura Analysis - Quote, attached. $2,000.00
	Component Description: **Amount:**	Tower Mapping and Assessment $6,750.00
Tall Tower (greater 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
Outside Professional Services	**$192,034.00**	**$184,200.00**		**$56,263.82**	
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	$2,105.00	$2,000.00	N/A	$550.00	
ASR modification (prepare FCC Form 854)	$2,105.00	$2,000.00	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	$0.00	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	$5,260.00	$5,000.00	N/A	$0.00	
Prepare request for Special Temporary Authorization	$2,050.00	$1,500.00	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	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$3,000.00	N/A	$2,095.00	WFWA_KGA for
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,000.00	N/A	$3,500.00	WFWA_KGA for
Address transition timing and coordination issues w/ other stations and wireless	$2,630.00	$2,500.00	N/A	N/A	
Project management of the transition	$28,914.00	$27,450.00	N/A	$7,197.00	
Prepare and or review reimbursement form	$2,630.00	$2,500.00	N/A	$2,500.00	
Attorney Fees - Prepare and File request for Special Temporary Authorization	$3,680.00	$3,500.00	N/A	N/A	

Additional Field Engineering Service, 22 Days	***$44,000.00***	$44,000.00	N/A	$6,934.98
Comprehensive coverage verification via field study, if needed	$84,200.00	$80,000.00	N/A	$33,486.84
Sub-total	$192,034.00	$184,200.00	N/A	$56,263.82
Total for all systems	$2,182,954.00	$1,931,537.50	N/A	$288,338.05

Components

Actual Information Description	File Name	
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	**Component Description:** **Amount:**	Prepare and file FAA form 7460-1 for WFWA $550.00
ASR modification (prepare FCC Form 854)	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	**Component Description:** **Amount:**	Form 2100 $145.50
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	**Component Description:** **Amount:**	Form 2100 $95.00
	Component Description: **Amount:**	Engineering section of Form FCC Construction Permit Application Main Facility WFWA $2,000.00
Perform engineering study for new channel assignment and antenna development	**Component Description:** **Amount:**	Engineering study for new channel assignme and antenna development WFWA $3,500.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Project management of the transition	**Component Description:** **Amount:**	Outside Project Management Services, Form 387 Progress Report $300.00
	Component Description: **Amount:**	Review FCC Public Notice $56.00
	Component Description: **Amount:**	Legal consultation related to Quarterly Reports for WFWA $50.50
	Component Description: **Amount:**	Legal services - Review Public Notice on reimbursement $112.00

Component Description:	Review FCC channel assignment and Form 1876
Amount:	$101.00
Component Description:	Outside Project Management Services, Form 399 Actual Cost information for WFWA
Amount:	$300.00
Component Description:	Prepare and file form 387 progress report WFWA
Amount:	$225.00
Component Description:	Legal services - announcing the FCC si visit audits
Amount:	$56.00
Component Description:	Review and email re FCC Public Notice
Amount:	$56.00
Component Description:	Review FCC Procedur
Amount:	$56.00
Component Description:	Review FCC Public Notice
Amount:	$56.00
Component Description:	Review Correspondenc re filing date.
Amount:	$39.00

Component Description: Legal - Re Filing Form 399
Amount: $1,967.50

Component Description: Email regarding TV incentive auction
Amount: $50.50

Component Description: Email regarding FCC Auction Closing
Amount: $50.50

Component Description: Legal presentation relating to the FCC reimbursement proces
Amount: $404.00

Component Description: Review FCC Decision
Amount: $56.00

Component Description: Outside Project Management Services, Form 387 Progress Report 4Q2017
Amount: $225.00

Component Description: Project management and preparation and submission of From 38 for 4Q2017 WFWA
Amount: $1,005.00

Component Description: Email regarding WFW/ channel reassignment
Amount: $202.00

	Component Description: **Amount:**	Legal Billing - Progress $1,568.00
	Component Description: **Amount:**	FCC construction perm $468.00
	Component Description: **Amount:**	Email regarding FCC webinar $50.50
Prepare and or review reimbursement form	**Component Description:** **Amount:**	Outside Professional Services and Prepare and Review FCC Form 399 for reimbursement $2,500.00
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	

Additional Field Engineering Service, 22 Days	**Component Description:**	RF Field Engineering Services, Design of transmitter facilities
	Amount:	$600.00
	Component Description:	On Site Equipment Inventory and Facilities survey WFWA
	Amount:	$3,934.98
	Component Description:	TPO calculations, layou of transmitter and RF system for WFWA
	Amount:	$2,400.00
	Component Description:	On Site Equipment Inv and Facility Survey
	Amount:	$3,934.98
Comprehensive coverage verification via field study, if needed	**Component Description:**	Field Services for WFW
	Amount:	$3,000.00
	Component Description:	RF Field Engineering Services
	Amount:	$30,486.84

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 Justific
Other Expenses	**$73,550.00**	**$73,000.00**		**$1,500.00**	
Bank Fee	***$5,000.00***	$5,000.00	Item does not have a predetermined cost	$1,500.00	N/A
Equipment Delivery and Handling Charges	***$25,000.00***	$25,000.00	Shipping from factory to site for transmitter, primary antenna and interim antenna system.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	***$15,000.00***	$15,000.00	N/A	N/A	N/A
Non-zoning permits	***$5,000.00***	$5,000.00	Local building permits for electrical work and tower modification work.	N/A	N/A
DTV Medical Facility Notification	$11,550.00	$11,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	***$2,000.00***	$2,000.00	Research and notify MVPDs of the channel change carrying station programming	N/A	N/A

Develop and air announcement of upcoming channel change	***$0.00***	$0.00	N/A	N/A	N/A
Equipment Storage	***$10,000.00***	$10,000.00	N/A	N/A	N/A
Sub-total	$73,550.00	$73,000.00	N/A	$1,500.00	N/A
Total for all systems	$2,182,954.00	$1,931,537.50	N/A	$288,338.05	N/A

Components

Actual Information Description	File Name
Bank Fee	**Component Description:** The is the amount o a debit memo to pay the bank fee for WFWA **Amount:** $1,500.00
Equipment Delivery and Handling Charges	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
Non-zoning permits	Information not provided.
DTV Medical Facility Notification	Information not provided.
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$2,182,954.00	$1,931,537.50	$288,338.05

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	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312 (a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
	1. The Authorized Person signing below certifies that he/she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. 4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).	

	5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund. 6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred. 7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**Robert Gehr** *Consulting Engineer* 04/20/2018

Certification

Section	Question	Response
Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312 (a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
	1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 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.
8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

	9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**Robert Gehr** *Consulting Engineer* 04/20/2018

Attachments