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: **13456** | Service: **DTV** | Call Sign: **WPBT** | Channel: **18 (UHF)**

File Number: **0000026469**

FRN: **0001822923** | Date Submitted: **05/11/2018**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
South Florida PBS, Inc. Doing Business As: South Florida PBS, Inc.	Dolores Sukhdeo 14901 N.E. 20TH AVENUE MIAMI, FL 33181 United States	+1 (305) 424-4250	dsukhdeo@southfloridapbs.org	Not-for-Profit

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
The Preparer is same as the reimbursement contact.			

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	The plan is for WPBT is to replace the existing channel 18 system with a new channel 29 antenna system, transmission line and transmitters. All of the equipment will be owned and operated by SFPBS. See attached narrative.

Transmitters

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

Auxiliary Transmitter

Add Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Backup solid state transmitter for IOT Main
	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	DTT10KSU Magnum Series
	Year	2006
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	10 kW

Auxiliary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	THU9-EVO
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	25.5 kW
	Justification for New Transmitter	Interim Main transmitter while permanent Main transmitter facility is constructed on new post auction repack channel (29). Interim transmitter will be re-tuned to new repack channel after the transition.

Auxiliary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	New MDP (Main Distribution Panel) 3 phase breakers, disconnects for transmitter transformers, rigid conduit and wiring, J-Boxes for equipment connections and ground straps for equipment.
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

Auxiliary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Interim Transmitter retuning and commissioning	Costs for retuning and commissioning after transition
Auxilliary Transmitter decommissioning	Costs for decommissioning and disposal

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	Sigma CD2200P2
	Year	2000
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	44 kW

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	THU9-EVO
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	46 kW
	Justification for New Transmitter	Our current transmitter manufacture Harris /GatesAir has taken the position that it cannot fully support various discontinued TV transmitter products through the repack. Attached is a letter from GatesAir in support of this.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response

Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Reuse existing fuse blocks,Install additional fuse block, disconnects for transmitter transformers, rigid conduit, J-Boxes for equipment connections, wiring and grounding for equipment.
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
Installation Proposed Non upgraded Transmitter	Installation of non upgraded transmitter
Harris Sigma CD Transmitter decomissioning and disposal	Decommissioning and disposal of existing Harris Sigma CD transmitter

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?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna Manufacturer and Type	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	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	TFU-24GTH-RP250BNT
Year	2000

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?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	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)	1000.0 kW
	Manufacturer	

Model	TFU-18GTH /VP-R P250BNT
Year	2018
Justification for New Antenna	Existing Dielectric TFU-24GTH-R P250BNT Channel 18 DTV is a single station antenna, which cannot be retuned or modified to operate on our post auction repacked channel 29.

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?	Yes
New Antenna Manufacturer and Type	Class	Class A
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	8
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	50.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	76.0 kW
	Manufacturer	
	Model	TFU-8WB
	Year	2018

	Justification for New Antenna	The purchase and installation of a new interim antenna will be a crucial part of WPBT's transition plan. WPBT will temporarily move to the low power interim antenna to continue broadcasting while their Main antenna is uninstalled and substituted

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?	Yes
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

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	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	20 inches
	Other Segment Length	N/A
	Number of parallel runs	0
	Length	1100 feet per run

Primary Transmission Line

New 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?	Yes
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1160 feet per run
	Justification for New Transmission Line	Existing dielectric 20' rigid 75 OHM Transmission line system is not recommended and considered prohibited per Dielectric catalog at the newly reassigned post auction channel 29.

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

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	3 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	0
	Length	1010 feet per run
	Justification for New Transmission Line	New interim transmission line and antenna system is required for WPBT's transition plan. In order to ensure a smooth transition and continue broadcasting while the permanent transmission line and antenna are constructed.

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 Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Candelabra
	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?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1029604
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	25° 57' 31.0" N-
	Longitude (NAD83)	080° 12' 43.0" W-
	Overall Structure Height	1042.97 feet
	Support Structure Height	981.62 feet
	Ground Elevation Above Mean Sea Level (AMSL)	6.23 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	IWG Miami
Date Constructed	11/25/1977

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
40408	WFEZ	FM
71418	WEDR	FM
48608	WPXM-TV	DTV
72982	WHQT	FM
72984	WFLC	FM

Other Types of Users

Users
Government

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for tower with candelabra
Tower Reinforcements	Please select whether tower reinforcements are needed:	Minor Reinforcements needed

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Candelabra
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	80
	Explanation	Outside project management services are required for tower equipment removal and installations as well as tower modifications and rigging planning. This expertise is not available in house.
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	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	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	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	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	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	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
Site Survey	Site survey to develop a phased transition plan, BOM, equipment placement and electrical requirements and modifications

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	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	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)?	No
	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

Information not provided.

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 Justificatio
Primary Transmitter THU9-EVO	**$1,609,276.04**	**$955,426.04**		**$638,956.25**	
Installation Proposed Non upgraded Transmitter	***$59,225.00***	$59,225.00	N/A	N/A	N/A
Harris Sigma CD Transmitter decomissioning and disposal	***$50,370.00***	$50,370.00	N/A	N/A	N/A
Other Electrical Service: Reuse existing fuse blocks,Install additional fuse block, disconnects for transmitter transformers, rigid conduit, J-Boxes for equipment connections, wiring and grounding for equipment.	***$26,681.04***	$26,681.04	N/A	$0.00	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	$1,473,000.00	$819,150.00	N/A	$638,956.25	N/A
Auxiliary Transmitter THU9-EVO	**$1,028,829.56**	**$790,126.51**		**$742,186.93**	

Auxilliary Transmitter decommissioning	***$23,575.00***	$23,575.00	N/A	$23,575.00	N/A
Other Electrical Service: New MDP(Main Distribution Panel) 3 phase breakers, disconnects for transmitter transformers, rigid conduit and wiring, J-Boxes for equipment connections and ground straps for equipment.	***$19,959.56***	$19,959.56	N/A	$19,959.56	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	$947,000.00	$708,296.95	N/A	$698,652.37	N/A
Interim Transmitter retuning and commissioning	***$38,295.00***	$38,295.00	N/A	N/A	N/A
Sub-total	$2,638,105.60	$1,745,552.55	N/A	$1,381,143.18	N/A
Total for all systems	$3,936,150.60	$2,577,742.45	N/A	$1,652,043.08	N/A

Components

Actual Information Description	File Name
Installation Proposed Non upgraded Transmitter	Information not provided.
Harris Sigma CD Transmitter decomissioning and disposal	Information not provided.

Other Electrical Service: Reuse existing fuse blocks, Install additional fuse block, disconnects for transmitter transformers, rigid conduit, J-Boxes for equipment connections, wiring and grounding for equipment.	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	**Component Description:** **Amount:** **Component Description:** **Amount:**	Down payment 25% Quote 802-009994.7 WPBT Main TX 46kw CH 29 $256,068.75 Down payment Next Milestone 37.38% of Purchase order value of $1,024,275.00 Rohde & Schwarz Quote 802-009994.7 WPBT-Main TX 46KW Ch. 29 $382,887.50
Auxilliary Transmitter decommissioning	**Component Description:** **Amount:** **Component Description:** **Amount:**	75% Final Payment Quote 802-041755.0 Phase 1 Decommission Existing Aux TX $17,681.25 25% Down payment Quote 802-041755.0 Phase 1 Decommissioning Existing Aux TX $5,893.75

Other Electrical Service: New MDP(Main Distribution Panel) 3 phase breakers, disconnects for transmitter transformers, rigid conduit and wiring, J-Boxes for equipment connections and ground straps for equipment.	**Component Description:** **Amount:**	First Draw for electrical services Electrical installation of interim TX $19,959.56
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	**Component Description:** **Amount:**	Interim/Aux transmitter additional install components $27,709.50
	Component Description: **Amount:**	Final Payment 75% Upon Delivery Rohde & Schwarz Quote 802-046428.0 WPBT Interim/Aux TX 25.5 KW CH 18 $417,112.50
	Component Description: **Amount:**	100% Advanced Downpayment Phase 2 - Install new R&S 2 Cabinet Interim Transmitter Quote #802-041757.1 $114,792.87
	Component Description: **Amount:**	Downpayment 25% Quote 802-046428.0 WPBT Aux TX 25.5KW CH 18 $139,037.50

Interim Transmitter retuning and commissioning	Information not provided.

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 TFU-8WB	**$51,655.00**	**$51,325.00**		**$23,096.25**	
UHF - Lower Power, Side Mount, Class A, basic slot antenna, 8 bay,, 76 kW input, horizontally polarized	***$44,925.00***	$44,925.00	N/A	$20,216.25	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$2,880.00	N/A
Primary Antenna TFU-18GTH /VP-R P250BNT	**$308,530.00**	**$210,128.00**		**$94,557.60**	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	$289,500.00	$192,744.00	N/A	$86,734.80	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$2,880.00	N/A

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	$12,300.00	$10,984.00	N/A	$4,942.80	N/A
Sub-total	$360,185.00	$261,453.00	N/A	$117,653.85	N/A
Total for all systems	$3,936,150.60	$2,577,742.45	N/A	$1,652,043.08	N/A

Components

Actual Information Description	File Name	
UHF - Lower Power, Side Mount, Class A, basic slot antenna, 8 bay,, 76 kW input, horizontally polarized	**Component Description:** **Amount:**	45% down payment for Aux Antenna $20,216.25
Sweep test of existing antenna	**Component Description:** **Amount:**	45% down payment for antenna sweep $2,880.00
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	**Component Description:** **Amount:**	45% down payment for Main antenna $86,734.80
Sweep test of existing antenna	**Component Description:** **Amount:**	45% down payment for main antenna sweep $2,880.00

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	**Component Description:** **Amount:**	45% down payment for elbow complex $4,942.80

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	**$0.00**	**$41,410.40**		**$6,187.05**	
Flexible Air Transmission Line - dielectric, 3"	$0.00	$41,410.40	This flexible broadband transmission line is required to build out an interim transmission facility while the proposed new transmission facility (Antenna and transmission line) is constructed.	$6,187.05	N/A
Primary Transmission Line	**$234,320.00**	**$186,720.00**		**$84,024.00**	
Rigid Transmission Line - copper, 6 1/8"	$234,320.00	$186,720.00	N/A	$84,024.00	N/A
Sub-total	$234,320.00	$228,130.40	N/A	$90,211.05	N/A
Total for all systems	$3,936,150.60	$2,577,742.45	N/A	$1,652,043.08	N/A

Components

Actual Information Description	File Name	
Flexible Air Transmission Line - dielectric, 3"	**Component Description:** **Amount:**	For items 2,3,4 and 6 on the invoice. Jumper, transformer, reducer/ adapter to connect to existing transmission line instead of purchasing new aux transmission line. $6,187.05
Rigid Transmission Line - copper, 6 1/8"	**Component Description:** **Amount:**	45% down payment for main antenna transmission line $84,024.00

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 GTOWER	**$599,000.00**	**$260,229.00**		**$37,695.00**	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	$421,000.00	$230,229.00	N/A	$37,695.00	N/A
Minor tower reinforcement /modifications	$158,000.00	$25,000.00	N/A	N/A	N/A
Structural engineering tower load study for a documented tower with candelabra	$20,000.00	$5,000.00	N/A	N/A	N/A
Sub-total	$599,000.00	$260,229.00	N/A	$37,695.00	N/A
Total for all systems	$3,936,150.60	$2,577,742.45	N/A	$1,652,043.08	N/A

Components

Actual Information Description	File Name

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	**Component Description:** **Amount:**	Customer Deposit for Repack - Top Arbor Mount TV Antenna System Replacement Services, as agreed in our proposal #12051701T. $37,695.00
Minor tower reinforcement /modifications	Information not provided.	
Structural engineering tower load study for a documented tower with candelabra	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 Justificatior
Outside Professional Services	**$67,460.00**	**$53,215.00**		**$25,340.00**	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	$1,580.00	$500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	$1,580.00	$500.00	N/A	N/A	N/A

Project management of the transition	$12,640.00	$15,000.00	20 additional Program Management hours (Widelity) for management to develop our phased planning for the 399 submission and working with our vendors to develop the budgets and timing for the 399 and throughout the project.	$3,000.00	N/A
Prepare and or review reimbursement form	$2,630.00	$2,500.00	N/A	$2,500.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	$2,630.00	$2,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$3,000.00	N/A	$2,875.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$2,500.00	N/A	$750.00	N/A

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	$2,105.00	$1,500.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	$2,050.00	$500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	$5,260.00	$3,000.00	N/A	N/A	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	$4,210.00	$1,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	$2,365.00	$2,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	$3,680.00	$2,500.00	N/A	N/A	N/A

Site Survey	***$16,215.00***	$16,215.00	N/A	$16,215.00	N/A
Sub-total	$67,460.00	$53,215.00	N/A	$25,340.00	N/A
Total for all systems	$3,936,150.60	$2,577,742.45	N/A	$1,652,043.08	N/A

Components

Actual Information Description	**File Name**
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
Project management of the transition	**Component Description:** First Installment for Program Management Services **Amount:** $3,000.00

Prepare and or review reimbursement form	**Component Description:** **Amount:**	Final Payment to prepare and review Form 399 $1,000.00
	Component Description: **Amount:**	first installment 399 assistance (help to prepare form 399 for filing) $1,500.00
	Component Description: **Amount:**	Final Payment to prepare and review Form 399 $1,000.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	

Perform engineering study for new channel assignment and antenna development	**Component Description:**	installment payment, Engineering study work for new channel assignment and antenna development
	Amount:	$1,500.00
	Component Description:	First installment Engineering Study work for new channel assignment and antenna development
	Amount:	$375.00
	Component Description:	Installment, Engineering study work for new channel assignment and antenna development
	Amount:	$1,000.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	**Component Description:**	Engineering study work for new channel assignment and antenna development (Form 2100)
	Amount:	$750.00

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.
Prepare request for Special Temporary Authorization	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Site Survey	**Component Description:** Payment in full for site survey to develop equipment lists, services, and transition timing for 399 form. **Amount:** $16,215.00

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	**$37,080.00**	**$29,162.50**		**$0.00**	
MVPD Notification of Channel Change	***$1,500.00***	$1,500.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	***$1,500.00***	$1,500.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	***$22,000.00***	$22,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	$195.00	$190.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	$335.00	$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	$11,550.00	$3,647.50	N/A	N/A	N/A
Sub-total	$37,080.00	$29,162.50	N/A	$0.00	N/A
Total for all systems	$3,936,150.60	$2,577,742.45	N/A	$1,652,043.08	N/A

Components

Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$3,936,150.60	$2,577,742.45	$1,652,043.08

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.	**Gene H. Talley** *VP Engineering /Operations* 05/11/2018

Attachments