

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 13456 Service: DTV Call WPBT Channel: 18 (UHF)

ID: Sign:

0000026469

Number:

File

FRN: **0001822923** Date **02/25**

Submitted: /2019

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 Name and Information Reimbursement Contact 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

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	
Manufacturer and Type	Model	DTT10KSU Magnum Series
	Year	2006
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	10 kW

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.

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
	Туре	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

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	
Manufacturer and Type	Model	Sigma CD2200P2
	Year	2000
	Туре	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
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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
	Туре	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
Charmer 14 Costs	3 3	

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

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	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	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-R P250BNT
Year	2000

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	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	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	
		1

Model TFU-18GT //P-R P250BNT Year 2018 Justification for New Antenna Existing Dielectric TFU- 24GTH-R		
Justification for New Antenna Existing Dielectric TFU-	/VP-R	
Dielectric TFU-	2018	
P250BNT Channel 18 DTV is a single station antenna, which cannot be retuned or modified to operate on our post auction repacked channel 29	Dielectric TFU- 24GTH-R P250BNT Channel 1 DTV is a single station antenna, which cannot be retuned or modified to operate or our post auction repacked	R F 118 e or to on

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	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

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	Class	Class A
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	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

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 Other Antenna Cost Not Listed

Antenna Information not provided.

Transmission ^{Seffien}	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Transmission Line

Existing Transmission Line

on 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	
	Туре	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

New Transmission Line

Primary

Transmission Line Question Response **New Transmission Line** Use Primary (Main) Costs 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 1160 feet per Length 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
Other Transmission Line Expenses Not Listed
Transmission on provided.

Interim

New Transmission Line

New Transmission Line
New Hallsillission Line

Transmissio	n Section	Question	Response
New Transmission Line Costs	Use	Interim	
	Description of Use	N/A	
	Change Type	Purchase New	
		Туре	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.

Other Transmission Line Expenses Not Listed

Transmission loine tion 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	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1029604
Coordinates (NAD83 (Latitude (NAD83)	25° 57' 31.0" N-
North American Datum of 1983))	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
48608	WPXM-TV	DTV
72982	WHQT	FM
40408	WFEZ	FM
71418	WEDR	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

Section	Question	Response
Services Costs 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	Prepare and file Form FCC Construction Permit Application	Yes
Services	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

Other Professional Services Expenses Not Listed

Services Costs	Description
Site Survey	Site survey to develop a phased transition plan, BOM, equipment placement and electrical requirements and modifications
Verify As-built documentation of existing Dielectric antenna	Evaluated and resolved as built documentation discrepancy on site in regards to WPBT existing Dielectric antenna. Labor rate and travel for one day
Establish True North Azimuth for new Main Antenna installation	Stake a true north azimuth line and determine the azimuths of the northeast and northwest guy wires at the WPBT-WXEL tower site in Miami-Dade County, FL. GeoLine project #305-442. Client site #FL014.

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 Not Listed

Expenses 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 Co
Primary Transmitter THU9-EVO	\$1,609,276.04	\$972,419.11		\$913,194.11	
Harris Sigma CD Transmitter decomissioning and disposal	\$50,370.00	\$50,370.00	N/A	\$50,370.00	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	\$26,681.04	N/A

UHF - Liquid Cooled Solid	\$1,473,000.00	\$836,143.07	Estimated costs for the	\$836,143.07	N/
State			main		
Transmitter 35 -			Transmitter		
50 kW			raised by		
oo kii			\$16,993.07		
			to cover		
			costs		
			incurred for		
			additional		
			install		
			components		
			per Quote		
			802.050407.0		
			and invoice		
			9500078700		
			which are		
			attached in		
			the		
			attachment		
			section.		
Installation	\$59,225.00	\$59,225.00	N/A	N/A	N.
Proposed Non					
upgraded					
Transmitter					
Auxiliary Transmitter THU9-EVO	\$1,028,829.56	\$790,126.51		\$742,186.93	
Auxilliary	\$23,575.00	\$23,575.00	N/A	\$23,575.00	N.
Transmitter					
decommissioning					
Interim	\$38,295.00	\$38,295.00	N/A	N/A	N
Transmitter					
retuning and					
3					

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
Sub-total	\$2,638,105.60	\$1,762,545.62	N/A	\$1,655,381.04	N/A
Total for all systems	\$3,939,750.60	\$2,728,144.52	N/A	\$2,486,645.82	N/A

Components

Actual Information Description	File Name	
Harris Sigma CD Transmitter decomissioning and disposal	Component Description:	Phase 3 decommissioning of the Main transmitter and disposal of hazardous materials
	Amount:	\$50,370.00

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.

Component Description: Second draw on

Electrical Install for

Main TX \$26,681.04

Amount: \$26,68

UHF - Liquid Cooled Solid State Transmitter **Component Description:** Main Transmitter 35 - 50 kW Additional install components required for the installation of the new unit. Quote 802-050407.0 WPBT_Main_additional components_Quotation 802-050407.0.pdf can be found in the attachments section Amount: \$16,993.07 **Component Description:** Down payment 25% Quote 802-009994.7 WPBT Main TX 46kw CH 29 Amount: \$256,068.75 **Component Description:** Final payment of R&S Main Transmitter Amount: \$180,193.75 **Component Description:** 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 Amount: \$382,887.50

Information not provided.

Installation Proposed

Non upgraded Transmitter

Auxilliary Transmitter decommissioning	Component Description:	25% Down payment
	Component Description.	Quote 802-041755.0
		Phase 1
		Decommissioning
		Existing Aux TX
	Amount:	\$5,893.75
	Component Description:	75% Final Payment
		Quote 802-041755.0 Phase 1
		Decommission Existing
		Aux TX
	Amount:	\$17,681.25
Interim Transmitter retuning and commissioning	Information not provided.	
Other Electrical		
Service: New MDP	Component Description:	First Draw for electrical
(Main Distribution	Component Decomponent	services Electrical
Panel) 3 phase		installation of interim TX
breakers, disconnects for transmitter	Amount:	\$19,959.56
transformers, rigid		
conduit and wiring, J-		
Boxes for equipment		
connections and		
ground straps for		
equipment.		

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW

Component Description: 100% Advanced

Downpayment Phase 2
- Install new R&S 2
Cabinet Interim
Transmitter Quote
#802-041757.1

Amount: \$114,792.87

Component Description: Interim/Aux transmitter

additional install

components

Amount: \$27,709.50

Component Description: Final Payment 75%

Upon Delivery Rohde & Schwarz Quote 802-046428.0 WPBT Interim /Aux TX 25.5KW CH 18

Amount: \$417,112.50

Component Description: Downpayment 25%

Quote 802-046428.0 WPBT Aux TX 25.5KW

CH 18

Amount: \$139,037.50

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		\$50,685.00	
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	\$44,925.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A
Primary Antenna TFU-18GTH /VP-R P250BNT	\$308,530.00	\$213,628.00		\$190,213.60	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,984.00	N/A	\$10,984.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A

UHF - High	\$289,500.00	\$196,244.00	Added	\$173,469.60	Final
Power Top			Lifting Lugs		invoice for
Mount			for		Top
(200-1000			Helicopter		Mounted
kW), One			Pick		Main
station			Dielectric		Antenna
antenna,			Change		includes a
elliptically			Order filed		\$3500.00
or			in the		change
circularly			attachments		order for
polarized			section of		helicopte
			the form.		lifting lugs
			Added		
			\$3500.00 to		
			the price		
			per change		
			order dated		
			10/17/2018		
Sub-total	\$360,185.00	\$264,953.00	N/A	\$240,898.60	N/A
Total for	\$3,939,750.60	\$2,728,144.52	N/A	\$2,486,645.82	N/A
all					
systems					

Actual Information		
Description	File Name	

UHF - Lower Power, Side Mount, Class A, basic slot **Component Description:** 45% down antenna, 8 bay,, 76 kW payment for Aux input, horizontally polarized Antenna \$20,216.25 Amount: **Component Description:** Final Payment 10% of total due after shipment Amount: \$4,492.50 **Component Description:** Second 45% payment (Prior To Ship) for Interim Aux antenna and transmission system Amount: \$20,216.25 Sweep test of existing antenna **Component Description:** 45% down payment for antenna sweep Amount: \$2,880.00 **Component Description:** Second 45% payment for Sweep testing Interim/Aux antenna **Amount:** \$2,880.00

Elbow complex, single channel, at antenna input, **Component Description:** 45% down per 6 1/8. feedline (if payment for elbow needed) complex \$4,942.80 Amount: **Component Description:** Final Payment 10% due after shipment Amount: \$1,098.40 **Component Description:** Second 45% payment for elbow complex Amount: \$4,942.80 Sweep test of existing antenna **Component Description:** Second 45% payment for main antenna sweep Amount: \$2,880.00 **Component Description:** 45% down payment for main antenna sweep Amount: \$2,880.00 UHF - High Power Top Mount (200-1000 kW), One **Component Description:** Second 45% station antenna, elliptically payment (Prior To or circularly polarized Ship) for Main antenna Amount: \$86,734.80 **Component Description:** 45% down payment for Main antenna \$86,734.80 **Amount:**

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
Interim Transmission Line	\$0.00	\$41,410.40		\$12,374.10	
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.	\$12,374.10	N/A
Primary Transmission Line	\$234,320.00	\$186,720.00		\$185,876.00	
Rigid Transmission Line - copper, 6 1/8"	\$234,320.00	\$186,720.00	N/A	\$185,876.00	N/A
Sub-total	\$234,320.00	\$228,130.40	N/A	\$198,250.10	N/A
Total for all systems	\$3,939,750.60	\$2,728,144.52	N/A	\$2,486,645.82	N/A

Description	File Name	
Flexible Air Transmission		
Line - dielectric, 3"	Component Description:	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.
	Amount:	\$6,187.05
	Component Description:	Second 45% payment(Prior To Ship) 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
	Amount:	line. \$6,187.05

Rigid Transmission Line -
copper, 6 1/8"

Component Description: Final invoice 10%

due after shipment

Amount: \$17,828.00

Component Description: 45% down

payment for main

antenna

transmission line

Amount: \$84,024.00

Component Description: Second 45%

payment for main

antenna

transmission line

Amount: \$84,024.00

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 Primary	Predetermined Cost Estimate \$599,000.00	Estimated Cost \$384,938.00	Estimated Cost Justification	Actual Cost \$343,438.00	Actual Cost Justification
Tower GTOWER	\$399,000.00	\$364,936.00		\$343,436.00	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$354,938.00	New proposal, justification letter from Coast to Coast and new rate schedule attached in the attachments section.	\$339,938.00	N/A
Structural engineering tower load study for a documented tower with candelabra	\$20,000.00	\$5,000.00	N/A	\$3,500.00	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$25,000.00	N/A	N/A	N/A
Sub-total	\$599,000.00	\$384,938.00	N/A	\$343,438.00	N/A
Total for all systems	\$3,939,750.60	\$2,728,144.52	N/A	\$2,486,645.82	N/A

Actual Information			
Description	File Name		

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)

Component Description: Customer Deposit

for Repack - Top Arbor Mount TV Antenna System Replacement Services, as agreed in our proposal #12051701T.

Amount: \$37,695.00

Component Description: Customer Deposit

for additional work due to helicopter lift addition to the previous scope of

work.

Amount: \$86,533.00

Component Description: Updated Invoice

for tower work through 1_11_19 includes proposal

11261806T

Amount: \$90,000.00

Component Description: Updated invoice

for work

completed through

1_18_2019

includes updated

proposal 11261806T

Amount: \$125,710.00

Structural engineering tower load study for a documented tower with candelabra	Component Description: Amount:	Tower Structural Analysis-Guyed Tower required for WPBT Miami TV Repack. Proposal is also uploaded in the attachments section \$3,500.00
Minor tower reinforcement /modifications	Information not provided.	

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 Cos
Outside Professional Services	\$71,060.00	\$58,415.00		\$35,672.12	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,100.00	N/A	\$375.00	N/A
Establish True North Azimuth for new Main Antenna installation	\$1,200.00	\$1,200.00	N/A	\$1,200.00	N/A
Verify As-built documentation of existing Dielectric antenna	\$2,400.00	\$2,400.00	Evaluated and resolved as built documentation discrepancy on site in regards to WPBT existing Dielectric antenna installation.	\$2,400.00	N/A
Site Survey	\$16,215.00	\$16,215.00	N/A	\$16,215.00	N/A

Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$2,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,000.00	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), Construction Permit Application	\$5,260.00	\$3,000.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$875.00	N/A	\$875.00	During the 399 submission process, this figure was an estimated best guest at the time

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 engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$2,500.00	N/A	\$750.00	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
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	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.	\$7,357.12	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,125.00	N/A	\$1,125.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$2,500.00	N/A
Sub-total	\$71,060.00	\$58,415.00	N/A	\$35,672.12	N/A
Total for all systems	\$3,939,750.60	\$2,728,144.52	N/A	\$2,486,645.82	N/A

Actual Information		
Description	File Name	

RF Consulting Engineer Fees- Aux Antenna: **Component Description:** Assistance with Prepare engineering implementation of section of FCC Form 2100, **Special Temporary** License to Cover Authorization facility Application Amount: \$375.00 Establish True North Azimuth for new Main **Component Description:** Stake a true north Antenna installation azimuth line and determine the azimuths of the northeast and northwest guy wires at the WPBT-WXEL tower site in Miami-Dade County, FL. GeoLine project #305-442. Client site #FL014. Email Proposal included in the attachments section \$1,200.00 Amount: Verify As-built documentation of existing **Component Description:** Evaluated and Dielectric antenna resolved as built documentation discrepancy on site in regards to WPBT existing Dielectric antenna.Use theodolite transit to shoot north position on tower, client to provide north reference stake on ground Amount: \$2,400.00

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
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Prepare request for Special Temporary Authorization	Component Description:	WPBT Professional Services Revised STA request to increase ERP to 244KW
	Amount:	\$250.00
	Component Description:	Consulting Engineers work on WPBT STA request
		/CH 18

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.	
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

Perform engineering study for new channel assignment and antenna development

Component Description: Installment,

Engineering study work for new

channel

assignment and

antenna development

Amount: \$1,000.00

Component Description: First installment

Engineering Study

work for new channel

assignment and

antenna

development

Amount: \$375.00

Component Description: installment

payment,

Engineering study work for new channel

assignment and

antenna

development

Amount: \$1,500.00

Address transition timing and coordination issues w/ other stations and wireless

Information not provided.

Project management of the transition

Component Description: First Installment for

Program

Management

Services

Amount: \$3,000.00

Component Description: Project

Management and

Consulting

Services for WPBT TV. Anthony Flores January 2019:

Project

Management and

Consulting Services in

connection with TV Repack -Aerial lift coordination -Aerial

lift onsite attendance

January 10 & 11

Amount: \$1,982.12

Component Description: Project

Management and

Consulting Services in connection with WPBT 13456 TV

Repack

Amount: \$2,375.00

Prepare engineering section of FCC Form 2100 (main), License to Cover Application

Component Description: Engineering portion

of application for new construction permit for WPBT in accordance with FCC request. This application is

necessitated by the

need for the FCC to issue a new construction permit for WPBT on its repack channel

Amount: \$1,000.00

Component Description: FL Miami-WPBT-

Eng. part of application for license; telcon \$125.00 with Gene

Talley 0.50 \$250.00 Professional Services

Amount: \$125.00

Prepare and or review reimbursement form

Component Description: first installment 399

assistance (help to prepare form 399

for filing)

Amount: \$1,500.00

Component Description: Final Payment to

prepare and review

Form 399

Amount: \$1,000.00

Component Description: Final Payment to

prepare and review

Form 399

Amount: \$1,000.00

Other Expenses

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

			Estimated		
Description	Predetermined Cost Estimate	Estimated Cost	Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$37,080.00	\$29,162.50		\$13,005.96	
MVPD Notification of Channel Change	\$1,500.00	\$1,500.00	N/A	\$1,500.00	N/A
Develop and air announcement of upcoming channel change	\$1,500.00	\$1,500.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$3,647.50	N/A	\$3,540.96	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
Equipment Delivery and Handling Charges	\$22,000.00	\$22,000.00	N/A	\$7,965.00	N/A
Sub-total	\$37,080.00	\$29,162.50	N/A	\$13,005.96	N/A
Total for all systems	\$3,939,750.60	\$2,728,144.52	N/A	\$2,486,645.82	N/A

Actual Information Description	File Name	
MVPD Notification of Channel Change	Component Description: Amount:	MVPD Notification per guidlines \$1,500.00
Develop and air announcement of upcoming channel change	Information not provided.	
DTV Medical Facility Notification	Component Description: Amount:	Medical Notification per guidelines \$3,540.96
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
Equipment Delivery and Handling Charges	Component Description: Amount:	FREIGHT, SHIPPING, AND HANDLING PAF 53' FLATBED DELIVERY. Shippment of transmission line and accessories per SO 500001. \$7,965.00

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,939,750.60	\$2,728,144.52	\$2,486,645.82

Reimbursem	envestiatus	Response
auction of Construc	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

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 abovenamed applicant for the Authorization(s) specified above. Gene H.
Talley
VP
Engineering
/Operations

02/25/2019

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.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- 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 abovenamed applicant for the Authorization(s) specified above. Gene H.
Talley
VP
Engineering
/Operations

02/25/2019

Attachments