

Federal Communications Commission

### (REFERENCE COPY - Not for submission)

### FCC Form 399: Reimbursement Request

			-		
Facility	13456	Service: DTV	Call	WPBT	Channel: 18 (UHF)
ID:			Sign:		
File	00000	26469			
Number:					
FRN: <b>00</b>	01822923	Date	04/24		
		Submitted:	/2019		

#### Applicant Name, Type, and Contact Information

#### Applicant 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	Preparer Contact Name and Information			
Contact Information	Applicant	Address	Phone	Email
	The Preparer is same as the reimbursement contact.			

Broadcaster	Question
Information	
and	
Transition	
Plan	

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	Add Transmitter Informat	ion	
Transmitter	Section	Question	Response
	Existing TransmitterType of changeDescription	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
		Site 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

ransmitter	Section	Question	Response
	New Transmitter	Use	Auxiliary (Backup)
		Change Type	Purchase New
		Is this a request for upgraded equipment?	Yes
		Manufacturer	
		Model	THU9-EVC
		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**

Auxiliary	Other Transmitter Costs				
Transmitter	Section	Question	Response		
	Electrical Service	Service Entrance (3 phases 800A 208V)	No		
		Switchgear (industrial 800 amp)	No		
		Transformer (480V)	No		
		Power	N/A		
		Question       Response         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         Cother Electrical Service       Yes         Description       New MDP (Main Distributio pare)         New MDP (Main Distributio       New MDP (Main Distributio pare)         Description       New MDP (Main Distributio pare)         New Service       Yes         Description       New MDP (Main Distributio pare)         No       No         Transformer rigid conduit and wiring Boxes for equipment rigid condui			
		QuestionResponseService Entrance (3 phases 800A 208V)NoSwitchgear (industrial 800 amp)NoSwitchgear (industrial 800 amp)NoTransformer (480V)NoPowerN/ARigid Conduit and WiringNoSizeN/ACher Electrical ServiceYesDescriptionNew MD (Main Distributi Panel) 3 phase breakers disconnecti and grou straps for equipme connecti and grou straps for equipme for transmitter require HVAC Service?NoDoes the replacement transmitter require HVAC Service?NoNoTypeN/ANoDoes the transmitter Building require an addition, modification, other leasholdNoNo			
		Length	N/A		
		Other Electrical Service	Yes		
		Description	Distribution Panel) 3 phase breakers, disconnects for transmitter transformers, rigid conduit and wiring, J- Boxes for equipment connections and ground		
	HVAC Service		No		
		Туре	N/A		
		Size	N/A		
		Other Size	N/A		
	Transmitter Building Addition/Modification or Leasehold Improvement	addition, modification, other leashold	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 Other Transmitter Cost Not Listed

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

Primary	Existing Transmitter Information			
Transmitter	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		
I	Manufacturer and Type	Model	Sigma CD2200P2	
		Year	2000	
		Туре	Inductive Output Tube	
		IOT Power Type	Two	
		Power Capacity	44 kW	

### **Existing Transmitter Information**

Primary	New Transmitter Costs			
Transmitter	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.	

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
	Is a channel 14 Mask Filer needed?	N/A

Is additional field engineering time needed?	N/A
Number of Days	N/A

Primary	Other Transmitter Cost Not Listed		
Transmitter	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 Rela	ated Expenses	Do you have antenna related expenses?	Yes

Primary	Existing Antenna Information			
Antenna	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	
		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

Primary	New Antenna Costs			
Antenna	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	
		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-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.

Response

No

N/A

N/A

Primary Antenna	Other Antenna Costs		
	Section	Question	
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
		Туре	
		Number of channels supported	
		Frequencies of channels supported	
		Freewood	

	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 Other Antenna Cost Not Listed

Antenna Informatio

Information not provided.

Interim	New Antenna Costs			
Antenna	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 wil
	be a crucia
	part of
	WPBT's
	transition
	plan. WPB
	will
	temporarily
	move to the
	low power
	interim
	antenna to
	continue
	broadcastir
	while their
	Main
	antenna is
	uninstalled
	and
	substituted

### Interim Other Antenna Costs

Antenna

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

# InterimOther Antenna Cost Not ListedAntennaInformation not provided.

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

ransmissio	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

# Primary Existing Transmission Line

Primary	New Transmission Line			
Transmissio	n Line Section	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	
		Туре	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 Other Transmission Line Expenses Not Listed

Transmission home tion not provided.

Interim	New Transmission Line			
Transmissio	n Section	Question	Response	
	New Transmission Line	Use	Interim	
	Costs	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 not provided.

Tower	Section	Question	Response
Equipment And Rigging Costs	Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

### **Existing Tower**

Primary	Existing Tower			
Tower	Section	Question	Response	
	Existing Tower	Type of change	Modify Existing	
	Description	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	
			1	

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

#### Other Types of Users

Users

Government

### Primary Tower Modification Costs

Tower

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

Tower Section	Tower Rigging Costs					
	Section	Question	Response			
	Tower Rigging Costs	Complex Tower	Candelabra			
	Helicopter Services Required	Are helicopter services required?	No			

### Other Tower Expenses Not Listed

PrimaryOther Tower ExpensTowerInformation not provided.

Outside	Section	Question	Response
Professional	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 Other Professional Services Expenses Not Listed

Professional	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	Section	Question	Response
Expenses	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.

### Transmitters

#### Cost Information

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 Justificati
Primary Transmitter THU9-EVO	\$1,609,276.04	\$972,419.11		\$968,594.11	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$836,143.07	Estimated costs for the main Transmitter raised by \$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.	\$836,143.07	N/A
Installation Proposed Non upgraded Transmitter	\$59,225.00	\$59,225.00	N/A	\$55,400.00	N/A
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//
Auxiliary Transmitter THU9-EVO	\$1,028,829.56	\$790,126.51		\$780,481.93	
Interim Transmitter retuning and commissioning	\$38,295.00	\$38,295.00	N/A	\$38,295.00	N//
Auxilliary Transmitter decommissioning	\$23,575.00	\$23,575.00	N/A	\$23,575.00	N//
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//
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$708,296.95	N/A	\$698,652.37	N/

Sub-total	\$2,638,105.60	\$1,762,545.62	N/A	\$1,749,076.04	N/A
Total for all systems	\$3,939,750.60	\$2,752,795.24	N/A	\$2,596,572.64	N/A

### Components

Actual Information Description	File Name	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	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 \$382,887.50
		···-,···
	Component Description:	Down payment 25% Quote 802-009994.7 WPBT Main TX 46kw CH 29
	Amount:	\$256,068.75
	Component Description:	Main Transmitter 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 \$16,993.07
	Component Description:	Final payment of R&S Main Transmitter
	Amount:	\$180,193.75

Non upgraded Transmitter	Component Description: Amount:	Main Transmitter insta \$55,400.00
Harris Sigma CD Transmitter decomissioning and disposal	Component Description: Amount:	Phase 3 decommissioning of the Main transmitter and disposal of hazardous materials \$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: Amount:	Second draw on Electrical Install for Main TX \$26,681.04
Interim Transmitter retuning and commissioning	Component Description: Amount:	Phase 5 Interim TX Retune,Install,Proof \$38,295.00

Auxilliary Transmitter decommissioning	Component Description: Amount:	25% Down payment Quote 802-041755.0 Phase 1 Decommissioning Existing Aux TX \$5,893.75
	Component Description: Amount:	75% Final Payment Quote 802-041755.0 Phase 1 Decommission Existing Aux TX \$17,681.25
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

Solid State Transmitter 21 - 31 kW	Component Description:	Final Payment 75% Upon Delivery Rohde & Schwarz Quote 802- 046428.0 WPBT Interin /Aux TX 25.5KW CH 1
	Amount:	\$417,112.50
	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:	Downpayment 25% Quote 802-046428.0 WPBT Aux TX 25.5KW
	Amount:	CH 18 \$139,037.50

#### Antennas

#### Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-8WB	\$51,655.00	\$51,325.00		\$46,192.50	
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	\$40,432.50	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		\$189,115.20	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,984.00	N/A	\$9,885.60	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		Тор
(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		helicopter
			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	\$235,307.70	N/A
Total for all systems	\$3,939,750.60	\$2,752,795.24	N/A	\$2,596,572.64	N/A

Actual Information	
Description	File Name

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

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description:	45% down payment for elbow	
	Amount:	complex \$4,942.80	
	Component Description:	Please reject this invoice Final Payment 10% due	
	Amount:	after shipment N/A	
	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 station antenna , elliptically	Component Description:	Second 45% payment (Prior To	
or circularly polarized		Ship) for Main	
	Amount:	antenna \$86,734.80	
	Component Description:	45% down	
	component Description.	payment for Main antenna	
	Amount:	\$86,734.80	

#### **Transmission Line**

#### Cost Information

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

			Estimated		
	Predetermined	Estimated	Cost		Actual Cost
Description	Cost Estimate	Cost	Justification	Actual Cost	Justification
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		\$168,048.00	
Rigid Transmission Line - copper, 6 1/8"	\$234,320.00	\$186,720.00	N/A	\$168,048.00	N/A
Sub-total	\$234,320.00	\$228,130.40	N/A	\$180,422.10	N/A
Total for all systems	\$3,939,750.60	\$2,752,795.24	N/A	\$2,596,572.64	N/A

Actual Information Description	File Name	
Flexible Air Transmission Line - dielectric, 3"		Cocord 45%
	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 line.
	Amount:	\$6,187.05
	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: Amount:	Please reject this invoice Final invoice 10% due after shipment N/A
Component Description: Amount:	45% down payment for main antenna transmission line \$84,024.00
Component Description:	Second 45% payment for main antenna transmission line \$84,024.00
	Amount: Component Description: Amount:

## **Tower Equipment and Rigging Costs**

#### Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower GTOWER	\$599,000.00	\$409,588.72		\$383,088.72	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$379,588.72	New proposal, justification letter from Coast to Coast and new rate schedule attached in the attached in the attachments section. Return mobilization costs as outlined in proposal 01171906T in the attachments section	\$379,588.72	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	\$409,588.72	N/A	\$383,088.72	N/A

Total for all	\$3,939,750.60	\$2,752,795.24	N/A	\$2,596,572.64	N/A
systems					

Description	File Name	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Component Description:	Completion of re- mobilizartion for the removal of the interim antenna system as agreed in our proposal #01171906T. Proposal is uploaded in the attachments section \$13,035.00
	Component Description:	Completion of the Top Arbor TV Antenna System Replacement Repack Services, as agreed in our proposal #11261806T. \$15,000.00
	Component Description:	Coast to Coast invoice 2125 Materials and Misc. tower service charges out of scope of

Component Description:	Customer Deposit for Repack - Top Arbor Mount TV Antenna System Replacement Services, as agreed in our proposal #12051701T. \$37,695.00
Component Description:	Updated invoice for work completed through 1_18_2019 includes updated proposal 11261806T \$125,710.00
Component Description:	Customer Deposit for additional work due to helicopter lift addition to the previous scope of work. \$86,533.00
Component Description:	Updated Invoice for tower work through 1_11_19
	Amount:   Component Description:   Amount:   Amount:

Structural engineering tower load study for a documented tower with candelabra	Component Description:	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**

## Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co Justificati
Outside Professional Services	\$71,060.00	\$58,415.00		\$35,672.12	
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
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 th 399 submissi process this figu was ar estimate best gue at the tin
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
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
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
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	\$2,752,795.24	N/A	\$2,596,572.64	N/A

Actual Information Description File Name

Project management of the		
transition	Component Description:	Project
	Component Description.	Management and
		-
		Consulting
		Services in
		connection with
		WPBT 13456 TV
		Repack
	Amount:	\$2,375.00
		• ,
	Component Description:	First Installment fo
		Program
		Management
		Services
	Amount:	\$3,000.00
	<b>Component Description:</b>	Project
		Management and
		Consulting
		Services for WPB
		TV. Anthony Flore
		January 2019:
		-
		Project
		Management and
		Consulting
		Services in
		connection with T\
		Repack -Aerial lift
		coordination -Aeria
		lift onsite
		attendance
		January 10 & 11 \$1,982.12
	Amount:	

Establish True North		
Azimuth for new Main Antenna installation	Component Description:	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. Email Proposal included in the attachments section
	Amount:	\$1,200.00
Verify As-built documentation of existing		
Dielectric antenna	Component Description:	Evaluated and 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 \$2,400.00
Sito Suprov		
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 Face Drepare		
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:	Consulting Engineers work on WPBT STA reques /CH 18
	Amount:	\$625.00
	Component Description:	WPBT Professiona Services Revised STA request to increase ERP to 244KW
	Component Description: Amount:	STA request to increase ERP to
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover		Services Revised STA request to increase ERP to 244KW

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description:	FL Miami-WPBT- Eng. part of application for license; telcon \$125.00 with Gene Talley 0.50 \$250.00 Professional Services \$125.00
	Component Description:	Engineering portion
	Amount:	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 \$1,000.00
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	<b>Component Description:</b>	Installment,
assignment and antenna		Engineering study
development		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	Information not provided.	
and coordination issues w/ other stations and wireless		

Prepare and or review reimbursement form	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
	Component Description:	first installment 399 assistance (help to prepare form 399
	Amount:	for filing) \$1,500.00

## **Other Expenses**

## Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated 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
Equipment Delivery and Handling Charges	\$22,000.00	\$22,000.00	N/A	\$7,965.00	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	\$3,540.96	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	\$2,752,795.24	N/A	\$2,596,572.64	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.	
Equipment Delivery and Handling Charges	Component Description:	FREIGHT, SHIPPING, AND HANDLING PAF 53' FLATBED DELIVERY. Shippment of transmission line and accessories per SO 500001. \$7,965.00
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
DTV Medical Facility Notification	Component Description: Amount:	Medical Notification per guidelines \$3,540.96

Cost Information	Grand Total				
		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$3,939,750.60	\$2,752,795.24	\$2,596,572.64	

Reimbursem	entestiatus	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.	
		<ol> <li>The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>The above-named</li> </ol>	
		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).
- 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.

entity cr is in full with all rules, re and gov require which c a pre-re obtainir	nts herein	
an authorized	er penalty of perjury, that I am representative of the above- ant for the Authorization(s) e.	Gene H. Talley VP Engineering /Operations

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).	
		<ol> <li>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.</li> </ol>	
		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).
- 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.	
	<b>9.</b> 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.	
ar na	declare, under penalty of perjury, that I am n authorized representative of the above- amed applicant for the Authorization(s) pecified above.	Gene H. Talley VP Engineering /Operations

#### Attachments

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