

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: File	13456 00000	Service: DTV 26469	Call Sign:	WPBT	Channel: 18 (UHF)
Number:					
FRN: 00	01822923	Date	06/15		
		Submitted:	/2018		

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 Contact Information	Preparer Contact Name and Information			
	Applicant	Address	Phone	Email
internation	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 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		

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	
		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

Auxiliary Transmitter Cost Not Listed Description Name Description Auxiliary Transmitter decommissioning Costs for decommissioning and disposal Interim Transmitter retuning and commissioning Costs for retuning and commissioning after transition

Primary	Existing Transmitter Infor	ng 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		
		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	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	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

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	QuestioniptionUseDescription of UseDescription of UseChange TypeChange TypeOwnershipOwnerIs antenna shared?Is antenna directional?Will antenna be located on or in close proximity to an antenna farm?Class	Class A			
	Manufacturer and Type	Mounting	Side Mount			
			Not in Stack			
		Polarization	Horizontal			
			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	Manufacturer	
	Line Manufacturer and Type	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		
		Is this a request for upgraded equipment? Type Diameter Other Diameter Segment Length Other Segment Length Number of parallel runs	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		Modify Existing		
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	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		
			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
71418	WEDR	FM
72984	WFLC	FM
48608	WPXM-TV	DTV
72982	WHQT	FM
40408	WFEZ	FM

Other Types of Users

Users

Government

Primary Tower Modification Costs

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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 Rigging Costs		
Tower	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 device

Site survey to develop a phased transition
plan, BOM, equipment placement and
electrical requirements and modifications

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 Cost Justificatio
Primary Transmitter THU9-EVO	\$1,609,276.04	\$955,426.04		\$655,949.32	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$819,150.00	N/A	\$655,949.32	N/A
Harris Sigma CD Transmitter decomissioning and disposal	\$50,370.00	\$50,370.00	N/A	N/A	N/A
Installation Proposed Non upgraded Transmitter	\$59,225.00	\$59,225.00	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
Auxiliary Transmitter THU9-EVO	\$1,028,829.56	\$790,126.51		\$742,186.93	

Interim Transmitter retuning and commissioning	\$38,295.00	\$38,295.00	N/A	N/A	N/A
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
Sub-total	\$2,638,105.60	\$1,745,552.55	N/A	\$1,398,136.25	N/A
Total for all systems	\$3,936,150.60	\$2,577,742.45	N/A	\$1,669,036.15	N/A

Components

Actual Information	
Description	File Name

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
Amount.	φ10,000.07
Component Description:	Down payment 25% Quote 802-009994.7 WPBT Main TX 46kw CH 29
Amount:	\$256,068.75
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.	
Information not provided.	
	Amount: Component Description: Amount: Component Description: Amount: 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.	
Interim Transmitter retuning and commissioning	Information not provided.	
Auxilliary Transmitter decommissioning	Component Description:	75% Final Payment Quote 802-041755.0 Phase 1 Decommission Existing
	Amount:	Aux TX \$17,681.25
	Component Description:	25% Down payment Quote 802-041755.0 Phase 1 Decommissioning Existing Aux TX
	Amount:	\$5,893.75
Other Electrical Service: New MDP (Main Distribution Panel) 3 phase	Component Description:	First Draw for electrical services Electrical
breakers, disconnects for transmitter transformers, rigid conduit and wiring, J- Boxes for equipment connections and ground straps for equipment.	Amount:	installation of interim T≯ \$19,959.56

Solid State Transmitter 21 - 31 kW	Component Description:	Final Payment 75% Upon Delivery Rohde & Schwarz Quote 802- 046428.0 WPBT Interi
	Amount:	/Aux TX 25.5KW CH 1 \$417,112.50
	Component Description:	Interim/Aux transmitter additional install
	Amount:	components \$27,709.50
	Component Description:	100% Advanced
		Downpayment Phase : - Install new R&S 2 Cabinet Interim
		Transmitter Quote #802-041757.1
	Amount:	\$114,792.87
	Component Description:	Downpayment 25%
		Quote 802-046428.0 WPBT Aux TX 25.5KV
	Amount:	CH 18 \$139,037.50

Antennas

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 Cost Justification
Interim Antenna TFU-8WB	\$51,655.00	\$51,325.00		\$23,096.25	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$2,880.00	N/A
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
Primary Antenna TFU-18GTH /VP-R P250BNT	\$308,530.00	\$210,128.00		\$94,557.60	
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
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$2,880.00	N/A

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
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	\$1,669,036.15	N/A

Actual Information Description	File Name	
Sweep test of existing antenna	Component Description: Amount:	45% down payment for antenna sweep \$2,880.00
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
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

antenna	Component Description:	45% down payment for mai antenna sweep
	Amount:	\$2,880.00
UHF - High Power Top Mount (200-1000 kW), One		450/
station antenna , elliptically or circularly polarized	Component Description:	45% down payment for Maiı 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).

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	\$1,669,036.15	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
Rigid Transmission Line -		
copper, 6 1/8"	Component Description:	45% down payment for mai antenna transmission line
	Amount:	\$84,024.00

Tower Equipment and Rigging Costs

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 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	\$1,669,036.15	N/A

Actual Information	
Description	File Name

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Component Description:	Customer Deposi 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.	¢0.,000100
Structural engineering tower load study for a documented tower with candelabra	Information not provided.	

Outside Professional Services

Cost Information

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

	Predetermined	Estimated	Estimated Cost		Actual Cost
Description	Cost Estimate	Cost	Justification	Actual Cost	Justificatior
Outside Professional Services	\$67,460.00	\$53,215.00		\$25,340.00	
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	\$500.00	N/A	N/A	N/A
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
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

Total for all	\$3,936,150.60	\$2,577,742.45	N/A	\$1,669,036.15	N/A
Sub-total	\$67,460.00	\$53,215.00	N/A	\$25,340.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$2,500.00	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
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

Actual Information Description	File Name	
Site Survey		
	Component Description: Amount:	Payment in full for site survey to develop equipment lists, services, and transition timing for 399 form. \$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	Information not provided.	
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.	

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
	Amount:	development \$375.00
		in the Unit of the
	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		
	Common the Description :	First Installment
transition	Component Description:	for Program Management Services

Prepare and or review reimbursement form	Component Description: Amount:	Final Payment to prepare and review Form 399 \$1,000.00
	Component Description:	first installment 399 assistance (help to prepare
	Amount:	form 399 for filing) \$1,500.00
	Component Description:	Final Payment to prepare and review Form 399
	Amount:	\$1,000.00

Other Expenses

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 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	\$1,669,036.15	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	\$1,669,036.15

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.	
		 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).
- 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.

 The above-named entity certifies tha is in full compliand with all statutes, rules, regulations and governmenta requirements for which compliance a pre-requisite for obtaining the payments herein requested. 	t it ce is	
l declare, under penalty of an authorized representa named applicant for the a specified above.	tive of the above-	Gene H. Talley VP Engineering /Operations 06/15/2018

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		 The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 	
		2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.	
		3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

- 4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
- 5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster **Relocation Fund are** necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

	8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.	
	9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
an nar	eclare, under penalty of perjury, that I am authorized representative of the above- ned applicant for the Authorization(s) ecified above.	Gene H. Talley VP Engineering /Operations 06/15/2018

Attachments

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