

(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Service: DTV Call **WMTJ** Channel: 15 (UHF) Facility Sign:

File 0000028744

Number:

ID:

FRN: 0001731298 Date 06/12

> Submitted: /2019

#### **Applicant** Information

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

Applicant	Address	Phone	Email	Applicant Type
SISTEMA UNIVERSITARIO ANA G. MENDEZ, INC. Doing Business As: SISTEMA UNIVERSITARIO ANA G. MENDEZ, INC.	P. O. BOX 21345 SAN JUAN, PR 00928 United States	+1 (787) 766- 2600	ca_adiaz@suagm. edu	Private Not- for-Profit Educational Institution

# 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
Ariel Diaz Engineering VP SISTEMA UNIVERSITARIO ANA G. MENDEZ, INC.	ARIEL DIAZ Sistema-TV PO Box 21345 San Juan, PR 00928 United States	+1 (787) 766-2600	ca_adiaz@suagm. edu

#### 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	File CP, Perform Tower inspection and orders for equipment. File STA, Field Survey and Design. Install interim antenna. Remove present antenna. New equipment installation. Send notifications. File License. Narrative Attached.

#### **Transmitters**

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

# Auxiliary Transmitter

# Add Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Backup Transmitter
	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	DT835A
	Year	2000
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	3 kW

# Auxiliary Transmitter

#### **New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	MPTV-PRLX-U3
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	5 kW
	Justification for New Transmitter	The original manufacturer ADC Telecommunication is no longer on the market. The successor manufacturer does not support this product

## Auxiliary Transmitter

#### **Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	40.0 feet
	Other Electrical Service	Yes

	Description	Electrical Panel Distribution modifications, circuit breakers, rewiring. Surge Protector, Voltage Regulator and UPS are required for the new transmitter installation
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

#### **Other Transmitter Cost Not Listed**

•	Name	Description
	Upgraded Mask Filter from 6 to 8 poles	Charge to replace an included RF Mask Filter on the transmitter proposal with 8 pole filter

Motorized Switch	Extra cost for replace an included (3) port Manual Patch Panel on the transmitter proposal as the existing transmission system
Maritime Transportation	Due to the particular conditions of the island, special maritime transportation is required to a port
Equipment Crating	Equipment Crating for Ocean Shipping

## **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	CTT-U DCX-1 Millenium
	Year	2004
	Туре	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	20 kW

#### **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	MPTV- PRLX-U6
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	9.7 kW
	Justification for New Transmitter	Hitachi Kokusai Electric Comark LLC (HKCM) informed us that they will not be able to re- channel our DCX transmitter. The request for a solid state transmitter is because the cost of a new IOT DCX paragon transm. is considerably higher than a Solid State

#### **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	Yes
	Size	2 inches
	Length	200.0 feet
	Other Electrical Service	Yes
	Description	Distribution panel modification and rewiring for new transmitters Surge Protector, Voltage Regulator and UPS are required for the new transmitter installation
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?	Yes

	Size	164.0 square feet
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
Transmitter Motorized Switch replacement	Extra cost for replace an included (3) port Manual Patch Panel on the transmitter proposal as the existing transmission system
Maritime Transportation	Due to the particular conditions of the island, special maritime transportation is required to a port
Equipment Crating	Equipment Crating for Ocean Shipping
System Design and Site Survey	System Design based on Site Survey to prepare an as built and present modifications to accommodate the new transmitters, Filters, RF components.  Prepare electrical distribution based on the existing and new components associated with the transition
Upgraded RF Mask Filter to 8 pole	Charge to replace an included RF Mask Filter on the transmitter proposal with 8 pole filter

#### **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	Side 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)	178.0 kW

Manufacturer	
Model	TFU- 16DSC-R S300
Year	2008

#### **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?	No
	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	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	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)	174.0 kW
	Manufacturer	

Model	TFU- 16DSC-R S300
Year	2017
Justification for New Antenna	Narrowband Slotted coaxial antenna not suited for rechanneling

#### **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	4 1/16 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes

Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes
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#### **Other Antenna Cost Not Listed**

Name	Description
Maritime Transportation	Due to the particular conditions of an island, special maritime transportation is required from port to port

#### 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?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	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)	178.0 kW
	Manufacturer	
	Model	TFU- 16DSC-R S300

Year	2017
Justification for New Antenna	Interim
	Antenna to
	operate
	while the
	existing
	antenna is
	removed
	and the
	final
	antenna for
	the new
	channel is
	installed on
	the tower.

#### Interim Antenna

#### **Other Antenna Costs**

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

#### Interim Antenna

#### **Other Antenna Cost Not Listed**

Name	Description
Maritime Transportation	Due to the particular conditions of an island, special maritime transportation is required from port to port

Transmission <sup>Seffien</sup>	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

# Primary Transmission Line

#### **Existing Transmission Line**

n 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	Manufacturer	
Line Manufacturer and Type	Туре	Rigid
	Diameter	4 1/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	240 feet per run

#### **New Transmission Line**

#### Primary Transmission

Line Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Туре	Rigid
	Diameter	4 1/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	280 feet per
	Justification for New Transmission Line	Existing Transmissic line can't be re-used because it have a prohibited length for th

# Other Transmission Line Expenses Not Listed

#### Primary Transmission

on Line	Description
Test for Reducer	Test transition of 4 inch at 50 ohms
Reducer 6 to 4 inch	Reducer for antenna input 6 to 4 inch reducer at 50 ohms

re-packed channel

#### **New Transmission Line**

Interim
<b>Transmiss</b>

Section .	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Туре	Flexible Air
	Diameter	4 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	1
	Length	240 feet pe
	Justification for New Transmission Line	Interim transmissio Line for the Interim antenna, to operate while the existing antenna an transmissio line are removed and the fina antenna with its transmissio line for the new channel are installed on the tower

Interim Other Transmission Line Expenses Not Listed Transmission Line 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	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure	Do you have a tower registration number?	No
Registration	ASR Number	
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	18° 18' 27.8" N-
	Longitude (NAD83)	065° 47' 41.5" W-
	Overall Structure Height	198.00 feet
	Support Structure Height	198.00 feet
	Ground Elevation Above Mean Sea Level (AMSL)	3297.00 fee

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Sistema Universitario Ana G Mendez Inc.
Date Constructed	10/01/2008

#### Primary Tower

#### **Tower Modification Costs**

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for documented tower
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	N/A
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	618
	Explanation	External resource are required for management this project. The technical and administrative personnel are occupied in daily operations of the station. The Budgeting's constrains of the NCE (PBS) TV station prevent reassign functions or increase personnel
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes

	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	No

Number of Days	N/A
Justification	N/A

Outside
Professional Services Expenses Not Listed
Professional Services ©pstsided.

# 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	No
	FCC Special Temporary Authority Application	No
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD  Notification of a Channel Change?	Yes

# Other Expenses

## Other Expenses Not Listed

Name	Description
Local Sales and Use Taxes	Sales taxes based on 11.5 percent and service taxes based on 4 percent This amount corresponds to a sales and use tax to be paid by any who imports tangible personal property into Puerto Rico or provides services in relation to any property from abroad

# **Cost Information**

#### **Transmitters**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter MPTV-PRLX- U6	\$601,939.04	\$457,239.04		\$380,970.00	
Upgraded RF Mask Filter to 8 pole	\$15,000.00	\$15,000.00	Charge to replace an included RF Mask Filter of 6 pole on the transmitter proposal with 8 pole	\$13,500.00	N/A

System Design and	\$15,300.00	\$15,300.00	System  Design based	\$13,770.00	N/A
Site Survey			on Site		
one carrey			Survey to		
			prepare an as		
			built and		
			present		
			modifications		
			to		
			accommodate		
			the new		
			transmitters,		
			Filters, RF		
			components.		
			Prepare		
			electrical		
			distribution		
			based on the		
			existing and		
			new		
			components		
			associated		
			with the		
			transition.		
			Mechanical,		
			Electrical and		
			RF Design for		
			the new		
			transmitter		
Equipment	\$4,500.00	\$4,500.00	Equipment	\$4,050.00	N/A
Crating			Crating		
			required for		
			Maritime		
			Transportation		
			Quotation		
			attached		
			WMTJ		
			Parallax U6		
			10kW revised		
			options, Part		
			No. NS1		

Maritime Transportation	\$5,020.00	\$5,020.00	Due to the particular conditions of an island, special maritime transportation is required from port to port	\$4,518.00	N/A
Transmitter Motorized Switch replacement	\$4,835.00	\$4,835.00	Extra cost for replace an included (3) port Manual Patch Panel on the transmitter proposal with a motorized Switch as the existing transmission system	\$4,351.00	N/A

Other Building	\$21,284.04	\$21,284.04	The heat exchangers	N/A	N/A
Addition Size:			for the		
164.0			transmitter are		
			longer than		
			the existing		
			ones. To		
			accommodate		
			them in the		
			room it will be		
			necessary to		
			relocate the		
			intake and		
			exhaust		
			ventilation		
			walls and		
			replace the		
			steel louvers		
			with the metal		
			ducts around		
			the units. The		
			load walls to		
			be modified		
			are concrete		
			and have a thickness of 8		
			"deep.		
			ueep.		
Other	\$36,300.00	\$36,300.00	Surge	\$25,781.00	N/A
Electrical			Suppressor		
Service:			\$5,250.00,		
Distribution			Voltage		
panel			Regulator		
modification			AAA AAE AA		
· · · · · · · · · · · · · · · ·			\$23,395.00		
and rewiring			(options		
and rewiring for new			(options included on		
and rewiring for new transmitters			(options included on the Comark		
and rewiring for new transmitters Surge			(options included on the Comark Transmitter		
and rewiring for new transmitters Surge Protector,			(options included on the Comark Transmitter WMTJ		
and rewiring for new transmitters Surge Protector, Voltage			(options included on the Comark Transmitter WMTJ Parallax U6		
and rewiring for new transmitters Surge Protector, Voltage Regulator			(options included on the Comark Transmitter WMTJ Parallax U6 10kW revised		
and rewiring for new transmitters Surge Protector, Voltage Regulator and UPS are			(options included on the Comark Transmitter WMTJ Parallax U6 10kW revised options), and		
and rewiring for new transmitters Surge Protector, Voltage Regulator and UPS are required for			(options included on the Comark Transmitter WMTJ Parallax U6 10kW revised options), and UPS		
and rewiring for new transmitters Surge Protector, Voltage Regulator and UPS are required for the new			(options included on the Comark Transmitter WMTJ Parallax U6 10kW revised options), and UPS \$46,912.00		
and rewiring for new transmitters Surge Protector, Voltage Regulator and UPS are required for the new transmitter			(options included on the Comark Transmitter WMTJ Parallax U6 10kW revised options), and UPS \$46,912.00 (Quote from		
and rewiring for new transmitters Surge Protector, Voltage Regulator and UPS are required for the new			(options included on the Comark Transmitter WMTJ Parallax U6 10kW revised options), and UPS \$46,912.00 (Quote from CLARY Corp)		
and rewiring for new transmitters Surge Protector, Voltage Regulator and UPS are required for the new transmitter			(options included on the Comark Transmitter WMTJ Parallax U6 10kW revised options), and UPS \$46,912.00 (Quote from CLARY Corp) are required		
and rewiring for new transmitters Surge Protector, Voltage Regulator and UPS are required for the new transmitter			(options included on the Comark Transmitter WMTJ Parallax U6 10kW revised options), and UPS \$46,912.00 (Quote from CLARY Corp) are required for new		
and rewiring for new transmitters Surge Protector, Voltage Regulator and UPS are required for the new transmitter			(options included on the Comark Transmitter WMTJ Parallax U6 10kW revised options), and UPS \$46,912.00 (Quote from CLARY Corp) are required		

2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$350,000.00	Solid state transmitter's request, the cost of a new IOT transmitter is higher than a SS (attached P3245-R1 WMTJ Main Tx ). (DA 16-1164 MB Docket No. 16-306 GN Docket No. 12-268). One power-level step up in transmitter	\$315,000.00	We are eliminating an invoice that indicate - need more information - and including invoice with quotation
Auxiliary Transmitter MPTV-PRLX- U3	\$323,895.00	\$275,355.00		\$246,859.50	
Equipment Crating	\$4,500.00	\$4,500.00	Equipment Crating required for Maritime Transportation Quotation attached P2986A-R1 AUX WMTJ Parallax U3 5kW Proposal Part No. NS1	\$4,050.00	N/A

Maritime Transportation	\$5,020.00	\$5,020.00	Due to the particular conditions of an island, special maritime transportation is required from port to port	\$4,518.00	N/A
Motorized Switch	\$4,835.00	\$4,835.00	Extra cost for replace an included (3) port Manual Patch Panel on the transmitter proposal with a motorized Switch as the existing transmission system	\$4,351.50	N/A
Upgraded Mask Filter from 6 to 8 poles	\$15,000.00	\$15,000.00	Charge to replace an included RF Mask Filter of 6 pole on the transmitter proposal with 8 pole filter	\$13,500.00	N/A

Other	\$20,000.00	\$20,000.00	To increase	\$17,940.00	N/A
Electrical			the capacity		
Service:			of the surge		
Electrical			suppressor,		
Panel			voltage		
Distribution			regulator and		
modifications,			UPS for the		
circuit			main		
breakers,			transmitter		
rewiring.			and add the		
Surge			load The		
Protector,			transmitter		
Voltage			facilities are		
Regulator			located on a		
and UPS are			Rain Forest		
required for			where the		
the new			power		
transmitter			fluctuations		
installation			are severe		
			and		
			contiguous		
UHF - Liquid	\$273,500.00	\$225,000.00	Upgrade	\$202,500.00	N/A
Cooled Solid	ψ213,300.00	ΨΖΖΟ,ΟΟΟ.ΟΟ	request from	ΨΖυΖ,300.00	111/71
State			air cooled to		
Transmitter					
4.9 . 6.5 kW			liquid cooled transmitter		
4.9 . 0.5 KW			because the		
			air cooled		
			require an additional		
			stepdown		
			transformer		
			(480 to 208 V)		
			and additional		
			wiring for the		
			input.		
			attached		
			quote for both		
			P2986A-R1		
			AUX Tx		
			WMTJ P3231-		
			R1 WMTJ,		
			P3231-R1		
			WMTJ		
2" Rigid Conduit and Wiring (Cost	\$1,040.00	\$1,000.00	N/A	N/A	N/A

Sub-total	\$925,834.04	\$732,594.04	N/A	\$627,829.50	N/A
Total for all systems	\$2,074,327.66	\$1,767,293.96	N/A	\$889,312.90	N/A

Actual Information Description	File Name	
Upgraded RF Mask Filter to 8 pole	Component Description: Amount:	50% OF UPGRADED RF MASK FILTER \$7,500.00
	Component Description:  Amount:	40% OF UPGRADED RF MASK FILTER Amended proposal dated 3/8/18 \$6,000.00
System Design and Site Survey	Component Description:  Amount:	40% OF SYSTEM DESIGN AND SITE SURVEY Amended proposal dated 3/8 /18 \$6,120.00
	Component Description: Amount:	50% OF SYSTEM DESIGN \$7,650.00

Equipment Crating		
	Component Description:	50% OF
		EQUIPMENT
		CRATING
		REQUIRED FOR
		MARITIME
		TRANSPORTATION
	Amount:	\$2,250.00
	Component Description:	Amended proposal
		dated 3/8/18 40% OF
		EQUIPMENT
		CRATING
		REQUIRED FOR
		MARITIME
		TRANSPORTATION
	Amount:	\$1,800.00
Maritime Transportation		
	Component Description:	50% OF MARITIME
		TRANSPORTATION
	Amount:	\$2,510.00
	Component Description:	40% OF MARITIME
		TRANSPORTATION
		Amended proposal
		dated 3/8/18
	Amount:	\$2,008.00
		· •

Component Description:  Amount:  Component Description:  Amount:  Component Description:  Component			
Component Description:  S0% OF TRANSMITTER MOTORIZED SWITCH  Amount:  \$2,417.00  Component Description:  40% OF TRANSMITTER MOTORIZED SWITCH Amended proposal dated 3/8 /18  Amount:  \$1,934.00  There Electrical Service: distribution panel codification and rewiring or new transmitters urge Protector, Voltage legulator and UPS are squired for the new ansmitter installation  Amount:  \$50% OF SURGE SUPPRESSOR (\$2,625) AND VOLTAGE REGULATOR (\$11,698) Amount:  \$14,323.00  Component Description:  40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18  Amount:  \$11,458.00	Transmitter Motorized		
TRANSMITTER MOTORIZED SWITCH  Amount: \$2,417.00  Component Description: 40% OF TRANSMITTER MOTORIZED SWITCH Amended proposal dated 3/8 /18  Amount: \$1,934.00  Other Building Addition ize: 164.0  Other Electrical Service: istribution panel codification and rewiring or new transmitters urge Protector, Voltage regulator and UPS are equired for the new ansmitter installation  Amount: \$14,323.00  Component Description: 40% OF SURGE SUPPRESSOR (\$1,698) \$14,323.00  Component Description: 40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18  Amount: \$11,458.00	Switch replacement	Component Description:	50% OF
Amount:  Component Description:  Component Description:  Amount:  Component Description:  Amount:  Amount:  Amount:  Amount:  Amount:  Component Description:  Amount:  Component Description:  Amount:  Component Description:  Component Description:  Amount:  Amount:  Component Description:  Amount:  Component Description:  Amount:			TRANSMITTER
Component Description:  Component Description:  40% OF TRANSMITTER MOTORIZED SWITCH Amended proposal dated 3/8 /18  Amount:  \$1,934.00  Component Description:  Component Description:  50% OF SURGE SUPPRESSOR (\$2,625) AND VOLTAGE REGULATOR (\$11,698) Amount:  Component Description:  Component Description:  40% OF SURGE SUPPRESSOR (\$2,625) AND VOLTAGE REGULATOR (\$11,698) S14,323.00  Component Description:  40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$11,698) Amount:  \$14,323.00  Component Description:  40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18  Amount:  *Rigid Conduit and  Information not provided.			MOTORIZED
Component Description:  40% OF TRANSMITTER MOTORIZED SWITCH Amended proposal dated 3/8 /18  Amount:  \$1,934.00  Information not provided.  Other Electrical Service: distribution panel dodification and rewiring or new transmitters urge Protector, Voltage degulator and UPS are equired for the new ansmitter installation  Amount:  \$1,934.00  Component Description:  50% OF SURGE SUPPRESSOR (\$2,625) AND VOLTAGE REGULATOR (\$11,698) Amount:  \$14,323.00  Component Description:  40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18  Amount:  *Rigid Conduit and  Information not provided.			SWITCH
Component Description:  40% OF TRANSMITTER MOTORIZED SWITCH Amended proposal dated 3/8 /18  Amount:  \$1,934.00  Information not provided.  Other Electrical Service: distribution panel dodification and rewiring or new transmitters urge Protector, Voltage degulator and UPS are equired for the new ansmitter installation  Amount:  Component Description:  50% OF SURGE SUPPRESSOR (\$2,625) AND VOLTAGE REGULATOR (\$11,698) 314,323.00  Component Description:  40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18  Amount:  Trigid Conduit and  Information not provided.		Amount:	\$2,417.00
TRANSMITTER MOTORIZED SWITCH Amended proposal dated 3/8 /18  Amount: \$1,934.00  Other Building Addition lize: 164.0  Other Electrical Service: istribution panel codification and rewiring or new transmitters urge Protector, Voltage regulator and UPS are equired for the new ansmitter installation  Amount: \$1,934.00  Component Description: 50% OF SURGE SUPPRESSOR (\$2,625) AND VOLTAGE REGULATOR (\$11,698)  Amount: \$14,323.00  Component Description: 40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18  Amount: \$11,458.00			, ,
TRANSMITTER MOTORIZED SWITCH Amended proposal dated 3/8 /18  Amount: \$1,934.00  Other Building Addition lize: 164.0  Other Electrical Service: istribution panel codification and rewiring or new transmitters urge Protector, Voltage regulator and UPS are equired for the new ansmitter installation  Amount: \$1,934.00  Component Description: 50% OF SURGE SUPPRESSOR (\$2,625) AND VOLTAGE REGULATOR (\$11,698)  Amount: \$14,323.00  Component Description: 40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18  Amount: \$11,458.00		Component Description:	40% OF
Amount:    SWITCH Amended proposal dated 3/8 /18   \$1,934.00     Sther Building Addition lize: 164.0     Sther Electrical Service: instribution panel prodification and rewiring or new transmitters argulated for the new ansmitter installation			TRANSMITTER
Amount:    Proposal dated 3/8 /18   \$1,934.00			MOTORIZED
Amount:    Proposal dated 3/8 /18   \$1,934.00			SWITCH Amended
Amount:    Amount:   \$1,934.00			
Amount: \$1,934.00  Information not provided.			
Amount:  Information not provided.		Amount:	
other Electrical Service: distribution panel modification and rewiring or new transmitters urge Protector, Voltage legulator and UPS are equired for the new ansmitter installation  Amount:  Component Description:  50% OF SURGE SUPPRESSOR (\$2,625) AND VOLTAGE REGULATOR (\$11,698)  **Amount:  \$11,458.00  Trigid Conduit and  Information not provided.			· ·
Amount:  Component Description:  Component Description:  Component Description:  50% OF SURGE SUPPRESSOR (\$2,625) AND VOLTAGE REGULATOR (\$11,698)  Amount:  Component Description:  40% OF SURGE SUPPRESSOR (\$2,625) AND VOLTAGE REGULATOR (\$11,698)  **Suppressor**  **Suppressor**  **Component Description:  Component Description:  40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18  Amount:  **Rigid Conduit and  Information not provided.	Other Building Addition	Information not provided.	
Component Description:  Component Description:  50% OF SURGE SUPPRESSOR (\$2,625) AND VOLTAGE REGULATOR (\$11,698)  Amount:  Component Description:  40% OF SURGE SUPPRESSOR (\$2,625) AND VOLTAGE REGULATOR (\$11,698)  **Suppressor**  **Component Description:  Component Description:  40% OF SURGE REGULATOR (\$11,698)  **Suppressor**  \$14,323.00  **Amount:  40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18  Amount:  **Injury Conduit and Information not provided.	Size: 164.0		
Component Description:  Component Description:  Component Description:  Suppressor (\$2,625) AND VOLTAGE REGULATOR (\$11,698)  Amount:  Component Description:  40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$11,698)  Amount:  Component Description:  40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18  Amount:  Rigid Conduit and  Information not provided.	Other Electrical Service: Distribution panel		
or new transmitters ourge Protector, Voltage degulator and UPS are equired for the new ansmitter installation  Amount:  Component Description:  40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$11,698)  \$14,323.00  Component Description:  40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18  Amount:  Rigid Conduit and  Information not provided.		Component Description:	50% OF SURGE
urge Protector, Voltage regulator and UPS are equired for the new ansmitter installation  Amount:  Component Description:  40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18  Amount:  **Rigid Conduit and**  Information not provided.	•		SUPPRESSOR
regulator and UPS are equired for the new ansmitter installation  Amount:  Component Description:  40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18  Amount:  **Rigid Conduit and**  Information not provided.			(\$2,625) AND
Amount:  Component Description:  Component Description:  40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18  Amount:  **Rigid Conduit and Information not provided.**	-		VOLTAGE
Amount:  (\$11,698) \$14,323.00  Component Description:  40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18  Amount:  **Rigid Conduit and  Information not provided.	=		REGULATOR
Component Description:  40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18  Amount:  \$11,458.00	•		(\$11,698)
SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18 Amount: \$11,458.00	transmitter installation	Amount:	\$14,323.00
SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18 Amount: \$11,458.00			
(\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18 Amount: \$11,458.00		Component Description:	40% OF SURGE
VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18 Amount: \$11,458.00			SUPPRESSOR
REGULATOR (\$9,358) Amended proposal dated 3/8 /18 Amount: \$11,458.00			(\$2,100) AND
(\$9,358) Amended proposal dated 3/8 /18  Amount: \$11,458.00  " Rigid Conduit and Information not provided.			VOLTAGE
proposal dated 3/8 /18 Amount: \$11,458.00  " Rigid Conduit and Information not provided.			REGULATOR
proposal dated 3/8 /18 Amount: \$11,458.00  " Rigid Conduit and Information not provided.			(\$9,358) Amended
Amount: /18 \$11,458.00  " Rigid Conduit and Information not provided.			
Amount: \$11,458.00  " Rigid Conduit and Information not provided.			
		Amount:	
Viring (Cost per foot)	2" Rigid Conduit and	Information not provided.	
	2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

Component Description:	50% OF PARALLAX
Component Description.	10KW UHF LIQUID
	COOLED DIGITAL
A	TRANSMITTER
Amount:	\$175,000.00
Component Description:	40% OF PARALLAX
	10KW UHF LIQUID
	COOLED DIGITAL
	TRANSMITTER
	Amended proposal
	dated 3/8/18
Amount:	\$140,000.00
<b>Component Description:</b>	50% of equipment
	crating for maritime
	transportation
Amount:	\$2,250.00
Component Description:	40% of equipment
Component Description.	crating for maritime
	transportation
Amount:	\$1,800.00
Component Description:	50% of maritime
Joinponent Description.	transportation
Amount:	\$2,510.00
	<del></del>
Component Description:	40% of maritime
	transportation
	Amount:  Component Description:  Amount:  Component Description:  Amount:  Component Description:  Amount:

Motorized Switch		
	Component Description:	50% of motorized switch
	Amount:	\$2,417.50
	Component Description:	40% of motorized switch
	Amount:	\$1,934.00
Upgraded Mask Filter		
from 6 to 8 poles	Component Description:	50% of upgraded
	Amount:	mask filter \$7,500.00
	Amount.	\$7,500.00
	Component Description:	40% of upgraded
	Amaunt	mask filter
	Amount:	\$6,000.00
Other Electrical Service: Electrical Panel		
Distribution	Component Description:	Installation of heat
modifications, circuit		exchangers and 2 pump systems for the
breakers, rewiring. Surge		transmitter
Protector, Voltage Regulator and UPS are	Amount:	\$17,940.00
required for the new transmitter installation		
UHF - Liquid Cooled Solid State Transmitter		
4.9 . 6.5 kW	Component Description:	50% OF PARALLAX
		5KM UHF LIQUID COOLED DIGITAL
		TRANSMITTER
	Amount:	\$112,500.00
	Component Description:	40% OF PARALLAX
		5KM UHF LIQUID
		COOLED DIGITAL
	Amount:	TRANSMITTER \$90,000.00
	Alliount.	φ <del>ο</del> υ,ουυ.ου

2" Rigid Conduit and
Wiring (Cost per foot)

Information not provided.

#### **Antennas**

	Predetermined	Estimated	Estimated Cost		Actual Cost
Description	Cost Estimate	Cost	Justification	Actual Cost	Justification
Interim Antenna TFU- 16DSC-R S300	\$133,780.00	\$42,900.00		\$0.00	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF - Lower Power Side Mount, One station antenna - medium power (50- 200 kW), horizontally polarized	\$89,400.00	\$0.00	NO CHANGE	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	\$0.00	N/A
Maritime Transportation	\$14,500.00	\$14,500.00	Due to the particular conditions of an island, special maritime transportation is required from port to port. Quote includes the transmission line volume and weight	N/A	N/A

Primary Antenna TFU- 16DSC-R S300	\$238,010.00	\$179,140.30		\$145,916.10	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$4,725.00	ANALYSIS TO BE ON LARGE OD SUPPORT POLE WITH DIAMETER OF 5.5 FT TO 4.0 FT APPROX. IN ANTENNA APERTURE. See proposal 900110CMZ WMTJ Antenna Scatter Analysis from Dielectric	N/A	N/A
Maritime Transportation	\$14,500.00	\$14,500.00	Due to the particular conditions of an island, special maritime transportation is required from port to port. Quote includes the transmission line volume and weight	N/A	N/A
UHF - Lower Power Side Mount, One station antenna - medium power (50- 200 kW), horizontally polarized	\$89,400.00	\$61,207.65	NO CHANGE	\$61,207.65	N/A

Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 4 1 /16. feedline (if needed)	\$9,570.00	\$9,100.00	N/A	\$7,732.80	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	\$15,768.00	N/A
UHF - Lower Power Side Mount, One station antenna - medium power (50- 200 kW), horizontally polarized	\$89,400.00	\$61,207.65	***System Notice: Estimate adjusted and locked because line has been superseded. ***the original estimated cost for lower power side mount antenna is \$139440	\$61,207.65	N/A
Sub-total	\$371,790.00	\$222,040.30	N/A	\$145,916.10	N/A
Total for all systems	\$2,074,327.66	\$1,767,293.96	N/A	\$889,312.90	N/A

Actual Information Description	File Name
Sweep test of existing antenna	Information not provided.

UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Information not provided.	
Side mount brackets for high power antennas (if not included in antenna base cost)	Component Description:  Amount:	45% with order prior to shipment for side mount brackets
Maritime Transportation	Information not provided.	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
Maritime Transportation	Information not provided.	
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Component Description:  Amount:	45% of UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized \$61,207.65
Sweep test of existing antenna	Information not provided.	

Elbow complex, single channel, at antenna input, **Component Description:** 45% for elbow per 4 1/16. feedline (if complex needed) \$3,866.40 Amount: 45% for elbow **Component Description:** complex \$3,866.40 Amount: **Component Description:** 45% with invoice prior to shipment for elbows complex Amount: N/A Side mount brackets for high power antennas (if not **Component Description:** 45% for Side included in antenna base mount brackets cost) Amount: \$7,884.00 **Component Description:** 45% for Side mount brackets Amount: \$7,884.00 **Component Description:** 45% of invoice for Side mount brackets N/A **Amount:** UHF - Lower Power Side Mount, One station antenna **Component Description:** 45% for UHF-- medium power (50-200 Lower power side kW), horizontally polarized mount antenna one-station horizontally polarized \$61,207.65 Amount:

#### **Transmission Line**

	Predetermined	Estimated	Estimated Cost	A. ( . 1 Q (	Actual Cost
Interim Transmission Line	\$17,760.00	\$16,800.00	Justification	\$0.00	Justification
Flexible Air Transmission Line - dielectric, 4"	\$17,760.00	\$16,800.00	N/A	N/A	N/A
Primary Transmission Line	\$43,466.00	\$48,796.00		\$43,661.70	
Rigid Transmission Line - copper, 4 1 /16"	\$39,760.00	\$45,090.00	This cost estimated by the factory includes 3 elbows and a dehydrator.	\$43,661.70	N/A
Test for Reducer	\$2,034.00	\$2,034.00	Estimated cost by factory for test the transition from 4 inch 50 ohms to 6 inch 50 ohms	N/A	N/A
Reducer 6 to 4 inch	\$1,672.00	\$1,672.00	Cost for a separate reducer transition from 6 inch to 4 inch at 50 ohms	\$0.00	N/A
Sub-total	\$61,226.00	\$65,596.00	N/A	\$43,661.70	N/A

Total for all	\$2,074,327.66	\$1,767,293.96	N/A	\$889,312.90	N/A
systems					

Actual Information Description	File Name	
Flexible Air Transmission Line - dielectric, 4"	Information not provided.	
Rigid Transmission Line - copper, 4 1/16"	Component Description: Amount:	45% for rigid transmission line copper \$21,830.85
	Component Description:  Amount:	45% of invoice to shipment for rigid transmission line-copper
	Component Description: Amount:	45% for rigid transmission line copper \$21,830.85
Test for Reducer	Information not provided.	
Reducer 6 to 4 inch	Information not provided.	

### **Tower Equipment and Rigging Costs**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$254,800.00	\$242,000.00		\$65,447.68	
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	\$8,247.68	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	\$57,200.00	N/A
Short Tower (less than 500')	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Sub-total	\$254,800.00	\$242,000.00	N/A	\$65,447.68	N/A
Total for all systems	\$2,074,327.66	\$1,767,293.96	N/A	\$889,312.90	N/A

<b>Actual Information</b>		
Description	File Name	

Structural engineering tower load study for well		
documented tower	<b>Component Description:</b>	45% for one field
		engineer on-site
		for one day,
		travel, expenses
		and report
	Amount:	\$2,880.00
	Component Description:	45% for one field
		engineer on-site
		for one day,
		travel, expenses
		and report
	Amount:	\$2,880.00
	Component Description:	Consulting for El
		Yunque Tower
		(WMTJ) and its
		bases
	Amount:	\$2,487.68
	Component Description:	45% with order
	Component Secondaria	prior to shipment
		for engineer on-
		site
	Amount:	N/A
Minor tower reinforcement		
/modifications	Component Description:	Modification and
		replace antenna
		El Yunque (WMTJ)
	Amount:	\$57,200.00
Short Tower (less than 500')	Information not provided.	

#### **Outside Professional Services**

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$237,814.00	\$282,750.00		\$6,457.92	
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	\$3,200.42	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	\$2,882.50	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/A

Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$375.00	N/A
Project management of the transition	\$97,644.00	\$150,000.00	Proposal from RGB Corporation HMDRQ2923 and Detail estimate attached	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	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	\$7,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N/A

Sub-total	\$237,814.00	\$282,750.00	N/A	\$6,457.92	N/A
Total for all systems	\$2,074,327.66	\$1,767,293.96	N/A	\$889,312.90	N/A

Actual Information Description	File Name
RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.

Attorney Fees - Prepare and File request for Special **Temporary Authorization** 

**Component Description:** WMTJ attorney

fees

\$787.92 Amount:

WMTJ attorney **Component Description:** 

fees

Amount: \$1,051.00

**Component Description:** WMTJ attorney

fees

Amount: \$101.00

**Component Description:** WMTJ attorney

fees

**Amount:** \$818.00

**Component Description:** WMTJ attorney

fees

Amount: \$56.00

**Component Description:** WMTJ attorney

fees

Amount: \$274.50

**Component Description:** WMTJ attorney

fees

\$112.00 **Amount:** 

Attorney Fees - Negotiation of lease and other matters for shared locations

**Component Description:** WMTJ attorney

fees

fees

\$1,940.50 Amount:

**Component Description:** WMTJ attorney

**Amount:** \$942.00

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description:	Preparation of quarterly update WMTJ
	Amount:	\$150.00
	Component Description:	Preparation of License Application
	Amount:	\$225.00
Project management of the transition	Information not provided.	
Prepare and or review reimbursement form	Information not provided.	
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Perform engineering study for new channel assignment and antenna development	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.	

#### **Other Expenses**

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$222,863.62	\$222,313.62		\$0.00	
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$9,000.00	\$9,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$15,000.00	\$15,000.00	Estimated proposal for Delivery from Maritime Port of San Juan to the Transmitter Site Attached Transportes Rolon proposal	N/A	N/A
Equipment Storage	\$7,000.00	\$7,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	\$20,000.00	\$20,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$12,000.00	\$12,000.00	N/A	N/A	N/A

			Indirect Tax Alert		
			translated		
			15-17 and		
			of the DA		
			2017, Copy		
			state law 25-		
			copy of the		
			Translated		
			calculations,		
			detailed		
			with		
			Worksheet		
			Excel		
			Attached		
			abroad.		
			from		
			the services		
			or 4% for all		
			equipment		
			imported		
			for all the		
and Use Taxes		and Use Tax 11.5%			
Local Sales and Use Taxes	\$148,313.62	\$148,313.62	PR Sales and Use	N/A	N/A

Information not provided.

#### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,074,327.66	\$1,767,293.96	\$889,312.90

Reimbursem	envestiatus	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

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.

#### GINIA E HERNANDEZ

Sponsored Program Director

06/12/2019

#### **Attachments**