



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **2174** | Service: **DTV** | Call **WMTJ** | Channel: **15 (UHF)** |  
ID: | Sign:  
File **0000028744**  
Number:  
FRN: **0001731298** | Date **10/08**  
Submitted: **/2021**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>SISTEMA UNIVERSITARIO ANA G. MENDEZ, INC.</b> 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 Information

### Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

## Preparer Contact Information

### Preparer Contact Name and Information

Applicant	Address	Phone	Email
<b>Ariel Diaz</b> <i>Engineering VP</i> 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@uagm.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**

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

**Auxiliary  
Transmitter****Add Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	DT835A
	Year	2000
	Type	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
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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
<b>Upgraded Mask Filter from 6 to 8 poles</b>	Charge to replace an included RF Mask Filter on the transmitter proposal with 8 pole filter

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

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	CTT-U DCX-1 Millenium
	Year	2004
	Type	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	20 kW

**Primary  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	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



**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
<b>Electrical Service</b>	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
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	Yes

	Size	164.0 square feet
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

**Primary  
Transmitter**

**Other Transmitter Cost Not Listed**

Name	Description
<b>System Design and Site Survey</b>	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
<b>Maritime Transportation</b>	Due to the particular conditions of the island, special maritime transportation is required to a port
<b>Transmitter Motorized Switch replacement</b>	Extra cost for replace an included (3) port Manual Patch Panel on the transmitter proposal as the existing transmission system
<b>Upgraded RF Mask Filter to 8 pole</b>	Charge to replace an included RF Mask Filter on the transmitter proposal with 8 pole filter
<b>Equipment Crating</b>	Equipment Crating for Ocean Shipping

**Antennas**

Section	Question	Response
Antenna Related Expenses	Do you have antenna related expenses?	Yes

**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	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
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	178.0 kW

Manufacturer	
Model	TFU- 16DSC-R S300
Year	2008

**Primary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	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
<b>New Antenna Manufacturer and Types</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	174.0 kW
	Manufacturer	

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

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
<b>Elbow Complex</b>	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
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes

<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes
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**Primary  
Antenna**

**Other Antenna Cost Not Listed**

<b>Name</b>	<b>Description</b>
<b>Maritime Transportation</b>	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
<b>New Antenna Description</b>	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
<b>New Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	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 Line**

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary  
Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	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

**Primary** **New Transmission Line**  
**Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	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 run
	Justification for New Transmission Line	Existing Transmission line can't be re-used because it have a prohibited length for the re-packed channel

**Primary** **Other Transmission Line Expenses Not Listed**  
**Transmission Line**

Name	Description
<b>Test for Reducer</b>	Test transition of 4 inch at 50 ohms
<b>Reducer 6 to 4 inch</b>	Reducer for antenna input 6 to 4 inch reducer at 50 ohms

**Interim**  
**Transmission Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Flexible Air
	Diameter	4 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	1
	Length	240 feet per run
	Justification for New Transmission Line	Interim transmission Line for the Interim antenna, to operate while the existing antenna and transmission line are removed and the final antenna with its transmission line for the new channel are installed on the tower

**Interim**  
**Transmission Line**

**Other Transmission Line Expenses Not Listed**

Information not provided.

**Tower  
Equipment  
And  
Rigging  
Costs**

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

**Primary  
Tower**

**Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	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 Registration	Do you have a tower registration number?	No
	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 feet

	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.



## Primary Tower

### Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Construct New
	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 Registration	Do you have a tower registration number?	No
	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 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

Tower Owner	Sistema Universitario Ana G Mendez Inc.
Date Constructed	10/01/2008

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**Primary  
Tower**

**Tower Construction Costs**

Section	Question	Response
Construct New Tower	Use	Primary (Main)
	Description of Use	N/A
	Is this a request for upgraded equipment?	No
	Height	198.00 feet
	Justification for New Tower	The existing tower failed for TIA/EIA 222 Rev. G and for Rev. H. A structural analysis from Valmont (the existing tower manufacturer) concluding that the tower does not comply and cannot be modified to meet the current code is attached.

**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**

Name	Description
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<b>Foundation Design</b>	Foundation design signed and sealed with calculations.
<b>Foundation inspection and supervision</b>	Construction inspection and compliances certifications
<b>Local and federal permits</b>	Required local and US Forest Service construction permits.
<b>Maritime transportation</b>	Ocean freight estimated by the tower manufacturer to San Juan Port
<b>Rigger cost for antenna relocation</b>	Antenna and transmission line removal from exiting tower and re-installation to the new tower
<b>Tower transportation to site and Erection</b>	Terrain transportation from the maritime port, logistic and transportation. Tower erection
<b>Foundation Construcction</b>	Materials Foundation, Installation of micropiles and pile cap, mobilization / demobilization
<b>Existing Foundation Demolition and tower decommission</b>	Existing Foundation demolition and tower decommission

**Outside  
Professional Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	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
<b>Outside RF consulting Engineering Services</b>	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
<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application	Yes
	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
<b>RF Field Engineering Services</b>	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 Costs**      **Other Professional Services Expenses Not Listed**  
Services not provided.

## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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
<b>Permit and Filing Costs</b>	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
<b>Other Miscellaneous Expenses</b>	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
<b>Local Sales and Use Taxes</b>	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
<b>Primary Transmitter MPTV-PRLX-U6</b>	<b>\$601,939.04</b>	<b>\$457,239.04</b>		<b>\$423,300.00</b>	
Equipment Crating	<i>\$4,500.00</i>	\$4,500.00	Equipment Crating required for Maritime Transportation Quotation attached WMTJ Parallax U6 10kW revised options, Part No. NS1	\$4,050.00	N/A
Upgraded RF Mask Filter to 8 pole	<i>\$15,000.00</i>	\$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
Transmitter Motorized Switch replacement	<i>\$4,835.00</i>	\$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

Maritime Transportation	<b>\$5,020.00</b>	\$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
System Design and Site Survey	<b>\$15,300.00</b>	\$15,300.00	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. Mechanical, Electrical and RF Design for the new transmitter	\$13,770.00	N/A

Other -- Building Addition Size: 164.0	<b>\$21,284.04</b>	\$21,284.04	The heat exchangers for the 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.	N/A	N/A
Other Electrical Service: Distribution panel modification and rewiring for new transmitters Surge Protector, Voltage Regulator and UPS are required for the new transmitter installation	<b>\$36,300.00</b>	\$36,300.00	Surge Suppressor \$5,250.00, Voltage Regulator \$23,395.00 (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 transmitter installation	\$33,111.00	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	\$350,000.00	We are eliminating an invoice that indicate - need more information - and including invoice with quotation
2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	N/A	N/A
<b>Auxiliary Transmitter MPTV-PRLX-U3</b>	<b>\$323,895.00</b>	<b>\$275,355.00</b>		<b>\$246,859.50</b>	
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

Equipment Crating	<b>\$4,500.00</b>	\$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
Motorized Switch	<b>\$4,835.00</b>	\$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	<b>\$15,000.00</b>	\$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

UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW	\$273,500.00	\$225,000.00	Upgrade request from air cooled to liquid cooled transmitter 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	\$202,500.00	N/A
Other Electrical Service: Electrical Panel Distribution modifications, circuit breakers, rewiring. Surge Protector, Voltage Regulator and UPS are required for the new transmitter installation	<b>\$20,000.00</b>	\$20,000.00	To increase the capacity of the surge suppressor, voltage regulator and UPS for the main transmitter and add the load The transmitter facilities are located on a Rain Forest where the power fluctuations are severe and contiguous	\$17,940.00	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$1,040.00	\$1,000.00	N/A	N/A	N/A

<b>Sub-total</b>	\$925,834.04	\$732,594.04	N/A	\$670,159.50	N/A
<b>Total for all systems</b>	\$2,717,682.66	\$2,296,093.24	N/A	\$1,045,102.36	N/A

## Components

Actual Information	
Description	File Name
Equipment Crating	<b>Component Description:</b>
	Amended proposal dated 3/8/18 40% OF EQUIPMENT CRATING REQUIRED FOR MARITIME TRANSPORTATION
	<b>Amount:</b>
	\$1,800.00
	<b>Component Description:</b>
	50% OF EQUIPMENT CRATING REQUIRED FOR MARITIME TRANSPORTATION
	<b>Amount:</b>
	\$2,250.00
Upgraded RF Mask Filter to 8 pole	<b>Component Description:</b>
	50% OF UPGRADED RF MASK FILTER
	<b>Amount:</b>
	\$7,500.00
	<b>Component Description:</b>
	40% OF UPGRADED RF MASK FILTER
	Amended proposal dated 3/8/18
	<b>Amount:</b>
	\$6,000.00



Transmitter Motorized Switch replacement	<div> <b>Component Description:</b> 40% OF TRANSMITTER MOTORIZED SWITCH Amended proposal dated 3/8 /18         </div> <div> <b>Amount:</b> \$1,934.00         </div>
	<div> <b>Component Description:</b> 50% OF TRANSMITTER MOTORIZED SWITCH         </div> <div> <b>Amount:</b> \$2,417.00         </div>
Maritime Transportation	<div> <b>Component Description:</b> 40% OF MARITIME TRANSPORTATION Amended proposal dated 3/8/18         </div> <div> <b>Amount:</b> \$2,008.00         </div>
	<div> <b>Component Description:</b> 50% OF MARITIME TRANSPORTATION         </div> <div> <b>Amount:</b> \$2,510.00         </div>
System Design and Site Survey	<div> <b>Component Description:</b> 50% OF SYSTEM DESIGN         </div> <div> <b>Amount:</b> \$7,650.00         </div>
	<div> <b>Component Description:</b> 40% OF SYSTEM DESIGN AND SITE SURVEY Amended proposal dated 3/8 /18         </div> <div> <b>Amount:</b> \$6,120.00         </div>
Other -- Building Addition Size: 164.0	Information not provided.

Other Electrical Service: Distribution panel modification and rewiring for new transmitters Surge Protector,Voltage Regulator and UPS are required for the new transmitter installation		
	<b>Component Description:</b>	10% EQUIPMENT AND SERVICES
	<b>Amount:</b>	\$7,330.00
	<b>Component Description:</b>	40% OF SURGE SUPPRESSOR (\$2,100) AND VOLTAGE REGULATOR (\$9,358) Amended proposal dated 3/8 /18
	<b>Amount:</b>	\$11,458.00
	<b>Component Description:</b>	50% OF SURGE SUPPRESSOR (\$2,625) AND VOLTAGE REGULATOR (\$11,698)
	<b>Amount:</b>	\$14,323.00

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	<table> <tr> <td data-bbox="676 100 1098 324"> <b>Component Description:</b> </td><td data-bbox="1098 100 1426 324"> 50% OF PARALLAX 10KW UHF LIQUID COOLED DIGITAL TRANSMITTER </td></tr> <tr> <td data-bbox="676 324 1098 414"> <b>Amount:</b> </td><td data-bbox="1098 324 1426 414"> \$175,000.00 </td></tr> <tr> <td data-bbox="676 414 1098 705"> <b>Component Description:</b> </td><td data-bbox="1098 414 1426 705"> 40% OF PARALLAX 10KW UHF LIQUID COOLED DIGITAL TRANSMITTER Amended proposal dated 3/8/18 </td></tr> <tr> <td data-bbox="676 705 1098 795"> <b>Amount:</b> </td><td data-bbox="1098 705 1426 795"> \$140,000.00 </td></tr> <tr> <td data-bbox="676 795 1098 1099"> <b>Component Description:</b> </td><td data-bbox="1098 795 1426 1099"> 10% PARALLAX 10KW UHF LIQUID COOLED DIGITAL TRANSMITTER </td></tr> <tr> <td data-bbox="676 1099 1098 1189"> <b>Amount:</b> </td><td data-bbox="1098 1099 1426 1189"> \$35,000.00 </td></tr> </table>	<b>Component Description:</b>	50% OF PARALLAX 10KW UHF LIQUID COOLED DIGITAL TRANSMITTER	<b>Amount:</b>	\$175,000.00	<b>Component Description:</b>	40% OF PARALLAX 10KW UHF LIQUID COOLED DIGITAL TRANSMITTER Amended proposal dated 3/8/18	<b>Amount:</b>	\$140,000.00	<b>Component Description:</b>	10% PARALLAX 10KW UHF LIQUID COOLED DIGITAL TRANSMITTER	<b>Amount:</b>	\$35,000.00
<b>Component Description:</b>	50% OF PARALLAX 10KW UHF LIQUID COOLED DIGITAL TRANSMITTER												
<b>Amount:</b>	\$175,000.00												
<b>Component Description:</b>	40% OF PARALLAX 10KW UHF LIQUID COOLED DIGITAL TRANSMITTER Amended proposal dated 3/8/18												
<b>Amount:</b>	\$140,000.00												
<b>Component Description:</b>	10% PARALLAX 10KW UHF LIQUID COOLED DIGITAL TRANSMITTER												
<b>Amount:</b>	\$35,000.00												
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.												
Maritime Transportation	<table> <tr> <td data-bbox="676 1211 1098 1377"> <b>Component Description:</b> </td><td data-bbox="1098 1211 1426 1377"> 40% of maritime transportation </td></tr> <tr> <td data-bbox="676 1377 1098 1467"> <b>Amount:</b> </td><td data-bbox="1098 1377 1426 1467"> \$2,008.00 </td></tr> <tr> <td data-bbox="676 1467 1098 1601"> <b>Component Description:</b> </td><td data-bbox="1098 1467 1426 1601"> 50% of maritime transportation </td></tr> <tr> <td data-bbox="676 1601 1098 1684"> <b>Amount:</b> </td><td data-bbox="1098 1601 1426 1684"> \$2,510.00 </td></tr> </table>	<b>Component Description:</b>	40% of maritime transportation	<b>Amount:</b>	\$2,008.00	<b>Component Description:</b>	50% of maritime transportation	<b>Amount:</b>	\$2,510.00				
<b>Component Description:</b>	40% of maritime transportation												
<b>Amount:</b>	\$2,008.00												
<b>Component Description:</b>	50% of maritime transportation												
<b>Amount:</b>	\$2,510.00												

Equipment Crating	<b>Component Description:</b>	40% of equipment crating for maritime transportation
	<b>Amount:</b>	\$1,800.00
	<b>Component Description:</b>	50% of equipment crating for maritime transportation
	<b>Amount:</b>	\$2,250.00
Motorized Switch	<b>Component Description:</b>	40% of motorized switch
	<b>Amount:</b>	\$1,934.00
	<b>Component Description:</b>	50% of motorized switch
	<b>Amount:</b>	\$2,417.50
Upgraded Mask Filter from 6 to 8 poles	<b>Component Description:</b>	40% of upgraded mask filter
	<b>Amount:</b>	\$6,000.00
	<b>Component Description:</b>	50% of upgraded mask filter
	<b>Amount:</b>	\$7,500.00

<p>UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW</p>	<table> <tr> <td data-bbox="678 174 1098 331"><b>Component Description:</b></td><td data-bbox="1098 174 1428 331">50% OF PARALLAX 5KM UHF LIQUID COOLED DIGITAL TRANSMITTER</td></tr> <tr> <td data-bbox="678 331 1098 398"><b>Amount:</b></td><td data-bbox="1098 331 1428 398">\$112,500.00</td></tr> <tr> <td data-bbox="678 472 1098 629"><b>Component Description:</b></td><td data-bbox="1098 472 1428 629">40% OF PARALLAX 5KM UHF LIQUID COOLED DIGITAL TRANSMITTER</td></tr> <tr> <td data-bbox="678 629 1098 696"><b>Amount:</b></td><td data-bbox="1098 629 1428 696">\$90,000.00</td></tr> </table>	<b>Component Description:</b>	50% OF PARALLAX 5KM UHF LIQUID COOLED DIGITAL TRANSMITTER	<b>Amount:</b>	\$112,500.00	<b>Component Description:</b>	40% OF PARALLAX 5KM UHF LIQUID COOLED DIGITAL TRANSMITTER	<b>Amount:</b>	\$90,000.00
<b>Component Description:</b>	50% OF PARALLAX 5KM UHF LIQUID COOLED DIGITAL TRANSMITTER								
<b>Amount:</b>	\$112,500.00								
<b>Component Description:</b>	40% OF PARALLAX 5KM UHF LIQUID COOLED DIGITAL TRANSMITTER								
<b>Amount:</b>	\$90,000.00								
<p>Other Electrical Service: Electrical Panel Distribution modifications, circuit breakers, rewiring. Surge Protector, Voltage Regulator and UPS are required for the new transmitter installation</p>	<table> <tr> <td data-bbox="678 799 1098 956"><b>Component Description:</b></td><td data-bbox="1098 799 1428 956">Installation of heat exchangers and 2 pump systems for the transmitter</td></tr> <tr> <td data-bbox="678 956 1098 1023"><b>Amount:</b></td><td data-bbox="1098 956 1428 1023">\$17,940.00</td></tr> </table>	<b>Component Description:</b>	Installation of heat exchangers and 2 pump systems for the transmitter	<b>Amount:</b>	\$17,940.00				
<b>Component Description:</b>	Installation of heat exchangers and 2 pump systems for the transmitter								
<b>Amount:</b>	\$17,940.00								
<p>2" Rigid Conduit and Wiring (Cost per foot)</p>	<p>Information not provided.</p>								

## Cost Information

### Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-16DSC-R S300	\$133,780.00	\$42,900.00		\$0.00	
Maritime Transportation	<i>\$14,500.00</i>	\$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
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
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

<b>Primary Antenna TFU- 16DSC-R S300</b>	<b>\$240,045.00</b>	<b>\$181,175.30</b>		<b>\$147,951.10</b>	
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	The sub total is not greater than estimated cost.
Maritime Transportation	<b>\$16,535.00</b>	\$16,535.00	Due to the particular conditions of an island, maritime transportation is required from port to port. Quote includes the antenna and tx line volume and weight. Attached Current cost invoiced by Dielectric 14,500 + cost paid to the port's admin (CCS) 2,035	\$2,035.00	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

Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$0.00	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. ***NO CHANGE	\$61,207.65	N/A
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	\$0.00	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
<b>Sub-total</b>	\$373,825.00	\$224,075.30	N/A	\$147,951.10	N/A
<b>Total for all systems</b>	\$2,717,682.66	\$2,296,093.24	N/A	\$1,045,102.36	N/A

## Components



Actual Information	
Description	File Name
Maritime Transportation	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	<div> <b>Component Description:</b> 45% with order prior to shipment for side mount brackets </div> <div> <b>Amount:</b> N/A </div>
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.
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	<div> <b>Component Description:</b> 45% for UHF-Lower power side mount antenna one-station horizontally polarized </div> <div> <b>Amount:</b> \$61,207.65 </div> <div> <b>Component Description:</b> Remaining 10% </div> <div> <b>Amount:</b> \$7,841.70 </div>

Maritime Transportation	<b>Component Description:</b>	MARITIME TRANSPORTATION
	<b>Amount:</b>	\$390.00
	<b>Component Description:</b>	MARITIME TRANSPORTATION
	<b>Amount:</b>	\$1,645.00
	<b>Component Description:</b>	Freight, shipping and handling expenses 40'dry container
	<b>Amount:</b>	\$14,310.00
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	<b>Component Description:</b>	45% with invoice prior to shipment for elbows complex
	<b>Amount:</b>	N/A
	<b>Component Description:</b>	45% for elbow complex
	<b>Amount:</b>	\$3,866.40
	<b>Component Description:</b>	remaining 10%
	<b>Amount:</b>	\$859.20
	<b>Component Description:</b>	45% for elbow complex
	<b>Amount:</b>	\$3,866.40
Sweep test of existing antenna	<b>Component Description:</b>	REPACK SWEEP invoice and quote
	<b>Amount:</b>	\$6,400.00

UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	<b>Component Description:</b> 45% of UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized  <b>Amount:</b> \$61,207.65
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	<b>Component Description:</b> SCATTER ANALYSIS OF UHF SIDE MOUNT TFU-16DSC-R S300 DIRECTIONAL ANTENNA FOR D15 WMTJ  <b>Amount:</b> \$4,725.00
Side mount brackets for high power antennas (if not included in antenna base cost)	<b>Component Description:</b> 45% for Side mount brackets <b>Amount:</b> \$7,884.00  <b>Component Description:</b> 45% of invoice for Side mount brackets <b>Amount:</b> N/A  <b>Component Description:</b> remaining 10% <b>Amount:</b> \$1,752.00  <b>Component Description:</b> 45% for Side mount brackets <b>Amount:</b> \$7,884.00

Cost  
Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$17,760.00	\$16,800.00		\$0.00	
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	
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
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
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

<b>Total for all systems</b>	\$2,717,682.66	\$2,296,093.24	N/A	\$1,045,102.36	N/A
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## Components

<b>Actual Information</b>	
<b>Description</b>	<b>File Name</b>
Flexible Air Transmission Line - dielectric, 4"	Information not provided.
Test for Reducer	Information not provided.
Rigid Transmission Line - copper, 4 1/16"	<div> <div><b>Component Description:</b></div> <div>45% for rigid transmission line copper</div> <div><b>Amount:</b></div> <div>\$21,830.85</div> </div> <div> <div><b>Component Description:</b></div> <div>45% of invoice to shipment for rigid transmission line-copper</div> <div><b>Amount:</b></div> <div>N/A</div> </div> <div> <div><b>Component Description:</b></div> <div>45% for rigid transmission line copper</div> <div><b>Amount:</b></div> <div>\$21,830.85</div> </div> <div> <div><b>Component Description:</b></div> <div>Remaining 10%</div> <div><b>Amount:</b></div> <div>\$1,183.80</div> </div>
Reducer 6 to 4 inch	Information not provided.

Cost  
Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$170,600.00	\$62,960.00		\$62,960.00	
Structural engineering tower load study for well documented tower	\$12,600.00	\$5,760.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***	\$5,760.00	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$57,200.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***	\$57,200.00	N/A
Primary Tower TOWER	\$0.00	\$0.00		\$0.00	
Primary Tower	\$725,520.00	\$725,520.00		\$0.00	
Short Tower (less than 500')	\$84,200.00	\$84,200.00	N/A	N/A	N/A

Tower transportation to site and Erection	<b>\$60,000.00</b>	\$60,000.00	Tower inland transportation to the site and erection. Estimated cost included on Global Network Developer quote. Attached	N/A	N/A
Existing Foundation Demolition and tower decommission	<b>\$122,000.00</b>	\$122,000.00	Existing Foundation demolition and tower decommission. Estimated cost included on the Global Network Developers quote. Attached	\$0.00	N/A
Rigger cost for antenna relocation	<b>\$82,160.00</b>	\$82,160.00	Removal of the antenna and rigid transmission line (300 ft approx) from the existing tower and relocate to the new tower. Estimated cost from Broadcast Towers Sales and Services. Quote 101219 attached.	N/A	N/A

New tower	<b>\$128,890.00</b>	\$128,890.00	Tower quote from Valmont for the equivalent self-supporting tower in compliance with the current codes. Attached quote from Valmont 407748-03	N/A	N/A
Maritime transportation	<b>\$19,670.00</b>	\$19,670.00	Estimated cost included on Valmont quote 407748-03 (attached)	\$0.00	N/A
Local and federal permits	<b>\$15,000.00</b>	\$15,000.00	Estimated cost based on previous experience with similar construction on US Forest Service premises	N/A	N/A
Foundation Construccction	<b>\$188,800.00</b>	\$188,800.00	Materials, Micropiles and Pile Cap, Mobilization / Demobilization estimated cost included on Global Network Developers quote. Attached	N/A	N/A
Foundation inspection and supervision	<b>\$20,000.00</b>	\$20,000.00	Construction inspection by registered PE. Costs based on previous projects.	N/A	N/A



Foundation Design	<b>\$4,800.00</b>	\$4,800.00	Foundation design signed and sealed by registered PE with calculations. Estimated cost included on the Global Network Developers quote. Attached	N/A	N/A
<b>Sub-total</b>	\$896,120.00	\$788,480.00	N/A	\$62,960.00	N/A
<b>Total for all systems</b>	\$2,717,682.66	\$2,296,093.24	N/A	\$1,045,102.36	N/A

Components

Actual Information	
Description	File Name

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

Existing Foundation Demolition and tower decommission	<b>Component Description:</b> Removal of equipment in Yunque tower <b>Amount:</b> \$6,000.00
	<b>Component Description:</b> Pick up and delivery of crates and disposal old crates <b>Amount:</b> \$4,500.00
	<b>Component Description:</b> Removal and disposal of filter in Yunque Tower <b>Amount:</b> \$1,200.00
	<b>Component Description:</b> Raise equipment to second floor and collected crates in Yunque tower <b>Amount:</b> \$1,700.00
	<b>Component Description:</b> Collection and delivery of new equipment in Yunque tower <b>Amount:</b> \$4,500.00
Rigger cost for antenna relocation	Information not provided.
New tower	Information not provided.
Maritime transportation	Information not provided.
Local and federal permits	Information not provided.
Foundation Construcction	Information not provided.
Foundation inspection and supervision	Information not provided.

Foundation Design	Information not provided.
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Cost  
Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$237,814.00	\$263,034.28		\$53,171.20	
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$60,284.28	N/A	\$45,481.28	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	\$2,925.92	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	\$448.50	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
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	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	\$1,058.00	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

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$375.00	N/A
<b>Sub-total</b>	\$237,814.00	\$263,034.28	N/A	\$53,171.20	N/A
<b>Total for all systems</b>	\$2,717,682.66	\$2,296,093.24	N/A	\$1,045,102.36	N/A

**Components**

Actual Information			
Description	File Name		
Comprehensive coverage verification via field study, if needed	<b>Component Description:</b>		Comprehensive coverage verification WMTJ
	<b>Amount:</b>		\$45,481.28

Attorney Fees - Prepare and File request for Special Temporary Authorization	<b>Component Description:</b> <b>Amount:</b>	WMTJ attorney fees \$818.00
	<b>Component Description:</b> <b>Amount:</b>	WMTJ attorney fees \$1,051.00
	<b>Component Description:</b> <b>Amount:</b>	WMTJ attorney fees \$56.00
	<b>Component Description:</b> <b>Amount:</b>	WMTJ attorney fees \$101.00
	<b>Component Description:</b> <b>Amount:</b>	WMTJ attorney fees \$274.50
	<b>Component Description:</b> <b>Amount:</b>	WMTJ attorney fees \$112.00
	<b>Component Description:</b> <b>Amount:</b>	WMTJ attorney fees \$787.92
Attorney Fees - Negotiation of lease and other matters for shared locations	<b>Component Description:</b> <b>Amount:</b>	WMTJ attorney fees \$1,940.50
	<b>Component Description:</b> <b>Amount:</b>	WMTJ attorney fees \$942.00
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	<b>Component Description:</b> <b>Amount:</b>	Attorney's fees WMTJ \$448.50



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 Exposure Measurements	Information not provided.																								
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	<table> <tr> <td><b>Component Description:</b></td><td>Attorney's fees WMTJ</td></tr> <tr> <td><b>Amount:</b></td><td>\$319.50</td></tr> <tr> <td><b>Component Description:</b></td><td>Attorney's fees WMTJ</td></tr> <tr> <td><b>Amount:</b></td><td>\$338.00</td></tr> <tr> <td><b>Component Description:</b></td><td>Attorney's fees WMTJ</td></tr> <tr> <td><b>Amount:</b></td><td>\$198.50</td></tr> <tr> <td><b>Component Description:</b></td><td>Attorney's fees WMTJ</td></tr> <tr> <td><b>Amount:</b></td><td>\$50.50</td></tr> <tr> <td><b>Component Description:</b></td><td>Attorney's fees WMTJ</td></tr> <tr> <td><b>Amount:</b></td><td>\$151.50</td></tr> <tr> <td><b>Component Description:</b></td><td>Attorney's fees WMTJ</td></tr> <tr> <td><b>Amount:</b></td><td>\$1,260.00</td></tr> </table>	<b>Component Description:</b>	Attorney's fees WMTJ	<b>Amount:</b>	\$319.50	<b>Component Description:</b>	Attorney's fees WMTJ	<b>Amount:</b>	\$338.00	<b>Component Description:</b>	Attorney's fees WMTJ	<b>Amount:</b>	\$198.50	<b>Component Description:</b>	Attorney's fees WMTJ	<b>Amount:</b>	\$50.50	<b>Component Description:</b>	Attorney's fees WMTJ	<b>Amount:</b>	\$151.50	<b>Component Description:</b>	Attorney's fees WMTJ	<b>Amount:</b>	\$1,260.00
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<b>Amount:</b>	\$1,260.00																								

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.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	<b>Component Description:</b>  <b>Amount:</b>	Preparation of License Application \$225.00
	<b>Component Description:</b>  <b>Amount:</b>	Preparation of quarterly update WMTJ \$150.00

**Cost  
Information**

**Other Expenses**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Other Expenses</b>	<b>\$222,863.62</b>	<b>\$222,313.62</b>		<b>\$67,198.86</b>	
Develop and air announcement of upcoming channel change	<i>\$20,000.00</i>	\$20,000.00	N/A	\$0.00	N/A
Equipment Storage	<i>\$7,000.00</i>	\$7,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$15,000.00</i>	\$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
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$9,000.00</i>	\$9,000.00	N/A	N/A	N/A

Local Sales and Use Taxes	<b>\$148,313.62</b>	\$148,313.62	PR Sales and Use Tax 11.5% for all the imported equipment or 4% for all the services from abroad. Attached Excel Worksheet with detailed calculations, Translated copy of the state law 25-2017, Copy of the DA 15-17 and translated Indirect Tax Alert	\$67,198.86	N/A
MVPD Notification of Channel Change	<b>\$12,000.00</b>	\$12,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$0.00	N/A
<b>Sub-total</b>	\$222,863.62	\$222,313.62	N/A	\$67,198.86	N/A
<b>Total for all systems</b>	\$2,717,682.66	\$2,296,093.24	N/A	\$1,045,102.36	N/A

## Components

**Actual Information  
Description**

**File Name**

Develop and air announcement of upcoming channel change	<div> <div><b>Component Description:</b></div> <div>WMTJ, document have WQTO for error, this invoice correspond to WMTJ for deposit, shipping, delivery</div> </div> <div> <div><b>Amount:</b></div> <div>\$16,500.00</div> </div>
Equipment Storage	Information not provided.
Equipment Delivery and Handling Charges	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
Local Sales and Use Taxes	<div> <div><b>Component Description:</b></div> <div>PR taxes</div> </div> <div> <div><b>Amount:</b></div> <div>\$5,581.53</div> </div> <div> <div><b>Component Description:</b></div> <div>PR Taxes. The total invoice is \$16,100 but we are billing \$2,875 corresponding to the portion of the taxes to the WMTJ site.</div> </div> <div> <div><b>Amount:</b></div> <div>\$2,875.00</div> </div> <div> <div><b>Component Description:</b></div> <div>Puerto Rico taxes</div> </div> <div> <div><b>Amount:</b></div> <div>\$22,463.85</div> </div> <div> <div><b>Component Description:</b></div> <div>PR taxes for WMTJ site</div> </div> <div> <div><b>Amount:</b></div> <div>\$2,790.59</div> </div>

	<p><b>Component Description:</b> PR taxes. The total invoice is for \$13,899.59 but we are billing \$11,162.59 corresponding to the portion of the taxes to the WMTJ site.</p> <p><b>Amount:</b> \$11,162.59</p>
	<p><b>Component Description:</b> PR Taxes. The total invoice is \$48,788.75 but we are billing \$12,276.25 corresponding to the portion of the taxes to the WMTJ site.</p> <p><b>Amount:</b> \$12,276.25</p>
	<p><b>Component Description:</b> PR taxes expenses for WMTJ site</p> <p><b>Amount:</b> \$22,325.30</p>
MVPD Notification of Channel Change	Information not provided.
DTV Medical Facility Notification	<p><b>Component Description:</b> Invoice EST001291 includes services offered to both sites. Item 1 and 2 corresponding to WMTJ site, \$3,378.20 and PR taxes for those item for \$388.51.</p> <p><b>Amount:</b> \$3,766.71</p>

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$2,717,682.66	\$2,296,093.24
			\$1,045,102.36

Reimbursement Status	Question	Response
	The facility has ceased operating on its pre-auction channel.	Yes
	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	<p>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.</p>	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> </ol>	



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.

<p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>GINIA HERNANDEZ</b> <i>SPONSORED PROGRAM DIRECTOR</i></p> <p>10/08/2021</p>

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 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 AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

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.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>ARIEL DIAZ</b> <i>ENGINEER</i></p> <p>10/08/2021</p>

## Attachments