

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

65670 Service: DTV Facility Call **WETA-TV** Channel: 31 (UHF) ID:

Sign:

File 0000028782 Number:

FRN: 0002107274 Date 06/27

> Submitted: /2019

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
GREATER WASHINGTON EDUCATIONAL TELECOMMUNICATIONS ASSOC Doing Business As: GREATER WASHINGTON EDUCATIONAL TELECOMMUNICATIONS ASSOC	Legal & Business Affairs Dept. 3939 Campbell Ave Arlington, VA 22206 United States	+1 (703) 998- 2851	Repack@weta.	Not-for- Profit

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email	
[Confidential]				

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Joseph L. Snelson , Jr . Technical Consultant Meintel, Sgrignoli & Wallace	1282 Smallwood Drive, Suite 372 Waldorf, MD 20603 United States	+1 (303) 344- 8037	Repack@weta. org

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.	Yes
Briefly describe transition plan	WETA proposes to build its repack facility on channel 31 and will be sharing its main antenna, transmission line and combiner with two other parties. See the attached updated narrative for the background and details of its transition plan.

Transmitters

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

Add Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Used in case of failure of main
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	DHD15P1
	Year	2003
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	3.6 kW

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	ULXTE-50
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	31.7 kW
	Justification for New Transmitter	This higher power transmitter is required to minimize loss of coverage (ie population) due to lower antenna height at the interim site. WETA will operate at this site while transmitter is installed at the main site for operation on its post repack channel

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	4 inches
	Length	420.0 feet
	Other Electrical Service	Yes
	Description	Electrical contractor to connect transmitter into existing electrical panel and wire heat exchanger into transmitter. Includes material and labor. This was originally submitted and approved under another category and moved here.
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	600.0 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

Auxiliary Transmitter Information not provided.

Other Transmitter Cost Not Listed

Add Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Alternate Site 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	CD100P1
	Year	1997
	Туре	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	17.5 kW

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-20
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	12.9 kW
	Justification for New Transmitter	See attached letter from manufacturer regarding IOT transmitters.

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	No
	Size	N/A
	Length	N/A
	Other Electrical Service	No

	Description	N/A
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

Other Transmitter Cost Not Listed

Transmitter Information not provided.

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	DHD15P1
	Year	2003
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	3.6 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	ULXTE-90
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	56.4 kW
	Justification for New Transmitter	See attached letter from GatesAir regading inability to retune current transmitter. See revised narrative. Replacement upgrade is part of a multi-station resolution that includes moving WETA's repack channel from 14 to 31 at an ERP of 1000 kW.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	500 kVA
	Rigid Conduit and Wiring	Yes
	Size	4 inches
	Length	420.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Heating and Cooling
	Size	50 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	Yes
	Size	1000.0 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

Primary Transmitter Other Transmitter Cost Not Listed

•	Name	Description
		•

Pre-installation survey	Site Survey by GatesAir of main and aux
	transmitter sites for transmitter layout.

Antennas

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

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Retune Existing
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	District of Columbia Joint Towe Venture
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Тор
	Polarization	Horizontal
	Туре	Broadband Panel
	Number of Stations Supported	3
	Number of Panels	48

Design power capacity in use	47.0 %
Lower Limit	470.00 MHz
Upper Limit	860.00 MHz
Other Antenna Type	N/A
ERP: (Effective Radiated Power)	73.0 kW
Manufacturer	DIE
Model	TUP-04-12-
Year	1999

Facility ID's and Call Signs of all stations with whom the antenna is shared.

Facility ID	Call Sign
27772	WHUT-TV
74091	WPXW-TV

Primary Antenna

Adjustment to Existing Antenna

Section	Question	Response
Sweep Test of Existing Antenna	Do you need a sweep test of existing antenna?	Yes

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	New
	Number of channels supported	3
	Frequencies of channels supported	RF channel
	Frequency	N/A

Enter a list of RF channel numbers.

RF Channel Number
31
33
35

Primary Antenna

Other Antenna Cost Not Listed

Information not provided.

Add Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	Alternate site backup
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this antenna currently shared with any other stations?	No
	Is this antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	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)	30.0 kW

Manufacturer	
Model	TFU-8JST- R03
Year	1998

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Auxiliary (Backup)
	Description of Use	See attached Buget Justification: Auxiliary Transmitter Site
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
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)	240.0 kW
Manufacturer	
Model	TFU-WB
Year	2018
Justification for New Antenna	Current antenna is tuned to channel 27 and cannot be retuned to operate on channel 31. Proposed antenna costs less than exact replacement.

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

Other Antenna Cost Not Listed

Name	Description	
Auxiliary Antenna Installation	Includes Engineer Reviewed Rigging Plan	

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

Add Transmission Line

Auxiliary Transmission

Existing Transmission

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Alternate Transmitter Site
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmission currently shared with any other stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission	Manufacturer	
Line Manufacturer and Type	Туре	Rigid
	Diameter	3 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	521 feet per run

New Transmission Line

Auxiliary Transmission

section	Question	Response
New Transmission Line Costs	Use	Auxiliary (Backup)
	Description of Use	Off site Interim
	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	550 feet per run
	Justification for New Transmission Line	See revised attached budget narrative. Line is not of standard length. Ability to support temporary operations reliably while main site is being converted to channel 31 is questionable. There is a high risk of failure.

Auxiliary Other Transmission Line Expenses Not Listed

Transmission loine tion not provided.

Primary Transmission

Add 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 this transmission currently shared with any other stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Туре	Rigid
	Diameter	3 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	170 feet per run

New Transmission Line

P	ri	m	a	ry
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Section	Question	
New Transmission Line	Use	
Costs		

Transmissio	n 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?	Yes
		Туре	Rigid
		Diameter	6 1/8 inches
		Other Diameter	N/A
		Segment Length	20 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	170 feet per run
		Justification for New Transmission Line	Current line will not support higher power level to meet ERP determined from multi- station resolution.

Other Transmission Line Expenses Not Listed

Primary	Other Transmission Line Expenses No	ot Listed
Transmissio	n Line	Description
	Installation	Estimated removal of current line and installation of new. installation

Tower Equipment And Rigging Costs

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

Auxiliary Tower

Add Tower

Section	Question	Response
Existing	Type of change	Modify Existing
Tower Description	Tower Use	Auxiliary (Backup)
	Description of Use	Alternate site for WETA
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	Yes
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1018169
Coordinates NAD83 (North	Latitude (NAD83)	38° 53′ 30.0″ N-
	Longitude (NAD83)	077° 07' 54.0" W-
American Datum of	Overall Structure Height	495.40 feet
1983))	Support Structure Height	492.12 feet
	Ground Elevation Above Mean Sea Level (AMSL)	370.07 feet
	Structure Type	LTOWER - Lattice Tower

Tower Owner	GREATER WASHINGTON EDUCATIONAL TELECOMMUNICATIONS ASSN DBA = WETA FM
Date Constructed	02/12/2014

FM, AM or TV radio broadcasters. Facility ID's, Call Signs and Services of other broadcast stations with whom the tower is shared

Facility ID	Call Sign	Service
12460	WGTS	FM
4644	WAVA-FM	FM
65669	WETA	FM

Other Types of Users

Users
Trunking
Amateur Radio
Cellular

Auxiliary 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:	Major Reinforcements needed

Auxiliary Tower

Tower Rigging Costs

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

Auxiliary Tower

Other Tower Expenses Not Listed

Name	Description
Tower Rigging and Installation	Tower rigging and installation labor to install tower modifications: includes engineer review rigging plan, additional tower mounting materials related to modifications

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	1500
	Explanation	See attached Budget Justification: Outside Professional Services
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes

	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	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

Other Professional Services Expenses Not Listed

Il Services Costs	Description		
Architect and Engineering services	Planning and layout of new equipment to be installed at main and aux transmitter sites.		

Channel change	Engineering services to evaluate coverage and interference moving channel from 14 to 31.
Progress Reporting	Prepare and file 7 required progress reports on FCC Form 2100, Schedule 387 on a quarterly basis with the FCC.
Site Visits and Surveys	Site visits to establish what equipment is on premises, where new equipment will be located and do equipment inventory for both main and auxiliary sites.

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	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	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
Additional Legal Expenses for Repack	Legal work related to WETA repack and reimbursement, including advice on FCC rules, regulations and policies, required FCC filings, reimbursement rules and procedures, and coordination of repack efforts with other site users at multi-party tower site.

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 ULXTE-90	\$2,329,335.00	\$2,276,957.00		\$53,121.45	
Other Building Addition Size: 1000.0	\$126,590.00	\$126,590.00	Includes drawing and 3-D laser imaging for initial planning purposes (\$26,590). Includes estimate for structure to be constructed on roof to support transmitter heat exchangers (\$100,000).	\$33,396.45	N/A
Pre- installation survey	\$19,725.00	\$19,725.00	Pre- installation survey by GatesAir to determine requirements for transmitter installation.	\$19,725.00	N/A
50 Ton system	\$266,000.00	\$253,000.00	N/A	N/A	N/A
4" Rigid Conduit and Wiring (Cost per foot)	\$42,420.00	\$40,320.00	N/A	N/A	N/A

Transformer 3 phase /480v - 500 KVA	\$48,400.00	\$46,000.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,755,022.00	See attached quote. NOTE: Quote shows cost of both main and auxiliary transmitters. See revised narrative.	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Auxiliary Transmitter ULXTE-50	\$1,193,358.67	\$1,191,258.67		\$714,247.64	
Other Building Addition Size: 600.0	\$50,000.00	\$50,000.00	See revised narrative. Remodeling needed to accommodate new transmitter and filter while current transmitter remains operational. Previously approved under another category and moved here.	\$3,315.00	N/A

Auxiliary Transmitter ULXTE-20	\$494,500.00	\$0.00		\$0.00	
4" Rigid Conduit and Wiring (Cost per foot)	\$42,420.00	\$40,320.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	\$1,086,938.67	\$1,086,938.67	This is an auxiliary transmitter to replace what is currently in use.	\$710,932.64	N/A
Electrical contractor to connect transmitter into existing electrical panel and wire heat exchanger into transmitter. Includes material and labor. This was originally submitted and approved under another category and moved there.			transmitter into existing electrical panel and wire heat exchanger into transmitter. Includes material and labor.		
Electrical Service:	\$14,000.00	\$14,000.00	Electrical contractor to connect		

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$0.00	This category is no longer needed and may be removed. 10 /18/18 JS	\$0.00	Estimated cost was incorrectly stated as 0. It should have been equal to
					the predetermined Cost Estimate \$481,500
Sub-total	\$4,017,193.67	\$3,468,215.67	N/A	\$767,369.09	N/A
Total for all systems	\$6,048,314.67	\$5,454,912.47	N/A	\$1,560,074.92	N/A

Actual Information Description	File Name	
Other Building Addition Size: 1000.0	Component Description: Amount:	Monthly progress of Architectural and Engineering Design for existing Transmitter Facility alterations. \$982.20
	Component Description: Amount:	Completed work billed for May \$7,575.00
	Component Description: Amount:	Item A - Drawing and 3D laser imaging for planning purposes \$22,590.00
	Component Description: Amount:	Professional Services \$2,249.25

Pre-installation survey		
	Component Description: Amount:	Site survey to determine site conditions, materials and components required for system installation \$19,725.00
50 Ton system	Information not provided.	
4" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Transformer 3 phase/480v - 500 KVA	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	Information not provided.	
Switchgear - industrial 800 amp	Information not provided.	
Other Building Addition Size: 600.0	Component Description:	Professional Services
	Amount:	\$3,315.00
Other Electrical Service: Electrical contractor to connect transmitter into existing electrical panel and wire heat exchanger into transmitter. Includes material and labor. This was originally submitted and approved under another category and moved here.	Information not provided.	

UHF - Liquid Cooled Solid		
State Transmitter 31.7 kW	Component Description:	1/3 down payment
		of total transmitter
		cost
	Amount:	\$358,689.76
	Component Description:	1/3 Payment
		ULXTE-50
		Transmitter
	Amount:	\$352,242.88
	Component Description:	ULXTE-50
		Transmitter
	Amount:	\$358,689.76
4" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
UHF - Liquid Cooled Solid		
State Transmitter 8.2 - 13 kW	Component Description:	The original
174.4		invoice was
		incorrectly
		associated with
		this category. This
		category is no
		longer required and may be
		and may be removed. 10/18
		/18 JS
	Amount:	/18 JS N/A
	Alloulit.	1 N / / \

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	Act Jus
Primary Antenna TUP-04-12-2	\$90,930.00	\$129,039.50		\$0.00	
New combiner, cost per channel (without antenna)	\$84,200.00	\$122,639.50	WETA Share of a 3 channel combiner. See attached revised narrative: COMBINER as to the overage from catalog cost per station and cost breakout.	N/A	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	
UHF - High Power Top Mount Three Station broadband panel antenna horizontally polarized	\$0.00	\$0.00	N/A	N/A	
Auxiliary Antenna TFU-WB	\$299,210.00	\$135,241.00		\$52,200.00	
Auxiliary Antenna Installation	\$65,000.00	\$65,000.00	Please see attached VTS Quote 18334-VA	\$52,200.00	

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost) Sweep test of existing antenna input, per 4 1/16. teedline (if needed) UHF - Lower Power Side Mount, One station 200-500 kW, horizontally polarized Side mount brackets for high power antenna base cost) Sub-total \$390,140.00 \$264,280.50 N/A \$52,200.00					
of existing antenna Elbow \$9,570.00 \$8,116.00 See narrative weta_budget_rev_070918. single channel, at antenna input, per 4 1/16. feedline (if needed) UHF - \$189,500.00 \$44,925.00 See narrative weta_budget_rev_070918. Power Side Mount, One station - 200-500 kW, horizontally polarized Side mount \$23,150.00 \$6,750.00 Special side mount brackets required to optimize antenna pattern. Side mount brackets required to optimize antenna pattern. N/A brackets required to optimize antenna pattern.	scatter analysis for side mount high/med power antennas (if not included in antenna	\$5,260.00	\$4,050.00	weta_budget_rev_070918.	N/A
complex, single channel, at antenna input, per 4 1/16. feedline (if needed) UHF - \$189,500.00 \$44,925.00 See narrative weta_budget_rev_070918. pdf. Side Mount, One station - 200-500 kW, horizontally polarized Side mount brackets for high power antennas (if not included in antenna base cost)	of existing	\$6,730.00	\$6,400.00	N/A	N/A
Lower weta_budget_rev_070918. Power pdf. Side Mount, One station - 200-500 kW, horizontally polarized Side mount \$23,150.00 \$6,750.00 Special side mount N/A brackets brackets required to for high optimize antenna pattern. power antennas (if not included in antenna base cost)	complex, single channel, at antenna input, per 4 1/16. feedline (if	\$9,570.00	\$8,116.00	weta_budget_rev_070918.	N/A
brackets brackets required to for high optimize antenna pattern. power antennas (if not included in antenna base cost)	Lower Power Side Mount, One station - 200-500 kW, horizontally	\$189,500.00	\$44,925.00	weta_budget_rev_070918.	N/A
Sub-total \$390,140.00 \$264,280.50 N/A \$52,200.00	brackets for high power antennas (if not included in antenna	\$23,150.00	\$6,750.00	brackets required to	N/A
	Sub-total	\$390,140.00	\$264,280.50	N/A	\$52,200.00

Total for all	\$6,048,314.67	\$5,454,912.47	N/A	\$1,560,074.92
systems				

Actual Information Description	File Name	
New combiner, cost per channel (without antenna)	Information not provided.	
Sweep test of existing antenna	Information not provided.	
UHF - High Power Top Mount Three Station broadband panel antenna horizontally polarized	Information not provided.	
Auxiliary Antenna Installation	Component Description:	Connection Redesign Sketches, Connection Redesign Drawings
	Amount:	\$2,600.00
	Component Description:	Auxiliary Antenna - Antenna Rigging and Installation
	Amount:	\$850.00
	Component Description:	Auxiliary Antenna Rigging and
	Amount:	Installation \$16,250.00
	Component Description:	Auxiliary Antenna Rigging and Installation
	Amount:	\$32,500.00

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
Sweep test of existing antenna	Information not provided.
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	Information not provided.
UHF - Lower Power Side Mount, One station - 200- 500 kW, horizontally polarized	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.

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 Cos Justification
Primary Transmission Line	\$79,040.00	\$113,029.50		\$0.00	
Rigid Transmission Line - copper, 6 1/8"	\$34,340.00	\$68,329.50	See attached quote 800163CMZ WETA COMPONENTS.	N/A	N/A
Installation	\$44,700.00	\$44,700.00	See attached quote 800163CMZ WETA COMPONENTS for field survey and installation of line.	N/A	N/A
Auxiliary Transmission Line	\$78,100.00	\$84,460.00		\$1,402.00	
Rigid Transmission Line - copper, 4 1 /16"	\$78,100.00	\$84,460.00	See narrative 070918.pdf.; See Justifying Change Order - R0019581504	\$1,402.00	N/A
Sub-total	\$157,140.00	\$197,489.50	N/A	\$1,402.00	N/A
Total for all systems	\$6,048,314.67	\$5,454,912.47	N/A	\$1,560,074.92	N/A

Actual Information Description	File Name
Rigid Transmission Line - copper, 6 1/8"	Information not provided.

Installation	Information not provided.	
Rigid Transmission Line - copper, 4 1/16"	Component Description:	RIGID TRANSMISSION LINE T/L 4-50 EIA LENGTH 5' TO 10' FIXED FLG 1 END/ SWIVEL FLG 1
	Amount:	END" \$1,402.00

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Auxiliary Tower LTOWER	\$847,800.00	\$652,000.00		\$434,250.00	
Tower Rigging and Installation	\$330,000.00	\$330,000.00	Please see attached Vertical Technology Systems quote 18334-VA	\$248,700.00	N/A
Short Tower (less than 500')	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Major tower reinforcement /modifications	\$421,000.00	\$230,000.00	Please see attached VTS Quote 18334-VA. Includes the task collect data for and provide all tower reinforcing materials per the MRA drawings dated 12/10 /2018	\$185,550.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	N/A	N/A

Sub-total	\$847,800.00	\$652,000.00	N/A	\$434,250.00	N/A
Total for all systems	\$6,048,314.67	\$5,454,912.47	N/A	\$1,560,074.92	N/A

Actual Information Description	File Name	
Tower Rigging and Installation	Component Description: Amount:	Professional services \$1,200.00
	Component Description: Amount:	Existing Aux Tower Major Tower Modification Installation \$82,500.00
	Component Description:	Existing Aux Tower Major Tower Modification Installation
	Amount:	\$165,000.00
Short Tower (less than 500')	Information not provided.	

Major tower reinforcement //modifications		
modifications	Component Description:	WETA Channel
		Repack Antenna
		Replacement
	Amount:	\$9,600.00
	Component Description:	Connection
		Redesign
		Sketches and
		Drawings - by
		Morris & Ritchie
	Amount:	\$3,450.00
	Component Description:	50% due upon
		mobilization - per
		proposal 18334VA
		- per PO Terms
	Amount:	\$115,000.00
	Component Description:	25% downpayment
		per Proposal
		18334VA - per PO
		Terms
	Amount:	\$57,500.00
Structural engineering tower load study for well documented tower	Information not provided.	

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos
Outside Professional Services	\$514,615.00	\$755,865.80		\$283,656.83	
Prepare and or review reimbursement form	\$2,630.00	\$21,854.05	This is a complex project and requires careful attention to detail in assembling. Substantial time has been placed into the preparation of the form with supporting justification for both main	\$22,694.05	Actuals are marginally higher that estimated costs.
			and auxiliary sites.		

Attorney Fees - Negotiation of lease and other	\$4,210.00	\$175,000.00	Fees related to multi-party resolution	\$147,743.28	N/A
matters for			agreement		
shared			between 3		
locations			parties to		
io dallo i lo			accommodate		
			WETA		
			moving from		
			ch 14 to 31,		
			100,000.		
			Lease mod		
			negotiations		
			for main ant		
			/combiner		
			and bldg.		
			permit app.,		
			50,000. Aux		
			site apps and		
			hearings for		
			bldg		
			expansion		
			25,000.		
Site Visits and	\$9,000.00	\$9,000.00	Site visits to	N/A	N/A
Surveys			establish		
			what		
			equipment is		
			on premises,		
			where new		
			equipment		
			will be		
			located and		
			do equipment		
			inventory for		
			both main		
			and auxiliary sites.		
Progress	\$14,000.00	\$14,000.00	Prepare and	\$3,467.95	N/A
Reporting			file 7 required		
			progress		
			reports on		
			FCC Form		
			2100, Schedule 387		
			on a quarterly		
			basis with the		

Channel change	\$85,000.00	\$85,000.00	Engineering services to evaluate coverage and interference moving channel from 14 to 31.	\$53,718.75	N/A
Architect and Engineering services	\$19,500.00	\$19,500.00	Planning and layout of new equipment to be installed at main and aux transmitter sites.	\$9,161.65	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	\$0.00	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$100,000.00	\$80,000 for Main transmitter site and \$20,000 for auxiliary site.	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$7,000.00	The need for filing two STA's in a project of this magnitude is anticipated.	\$0.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,511.75	Actual Costs are Marginally higher than estimated costs	\$2,511.75	Actuals ar marginally higher tha estimates costs
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	\$834.70	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$0.00	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$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	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$3,000.00	Time required will be similar to that required of the main site to prepare this application.	N/A	N/A

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$45,000.00	Extensive study has already been given to searching for a new channel and Land Mobile interference and remediation	\$5,000.00	N/A
			with WETA on ch. 14. Additional studies for multi-station resolution had to be performed.		
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$11,000.00	Coordination with 4 TV stations and 3 FM stations. Cut over must be carefully planned with other two stations. Contacting Land Mobile operators on cutover to ensure no interference by WETA	N/A	N/A
Project management of the transition	\$237,000.00	\$225,000.00	N/A	\$38,195.75	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	Two STA's are anticipated, one for the main site and the other for the auxiliary.	\$328.95	N/A

Prepare engineering section of FCC	\$3,155.00	\$3,000.00	N/A	N/A	N/A
Form 2100					
(main),					
Construction					
Permit					
Application					
Sub-total	\$514,615.00	\$755,865.80	N/A	\$283,656.83	N/A
Total for all systems	\$6,048,314.67	\$5,454,912.47	N/A	\$1,560,074.92	N/A

Amount: Component Description: Amount: Component Description: Amount:	
Component Description: Amount: Component Description: Amount:	Item F - Attorney fees for educating WETA staff on reimbursement
Amount: Component Description: Amount:	procedures \$95.20
Component Description: Amount:	WETA-590-Prepare and/or Review Reimbursement Form
Amount:	\$168.00
Component Description:	Legal Services \$1,000.00
	Item F - Attorney fees for preparation of Form 399
Amount:	\$952.00

Component Description: Item F - Attorney

fees in preparation

of Form 399

Amount: \$190.40

Component Description: Item F - Educate

WETA staff on reimbursement process & procedure and

related

Amount: \$295.80

Component Description: Emails with S.

Amron

Amount: \$190.40

Component Description: Item F - Attorney

fees related to

preparation of Form

399

Amount: \$2,943.55

Component Description: Legal Services

Rendered

Amount: \$2,998.80

Component Description: Item F - Attorney

fees for preparation

of Form 399

Amount: \$5,807.20

Component Description: Item F - Attorney

fees for preparation

of Form 399

Amount: \$2,500.00

Component Description: Item F - Educate

WETA staff on reimbursement procedures and processes

Amount: \$2,760.80

Component Description: Prepare and/or

Review

Reimbursement

Form

Amount: \$238.00

Component Description: WETA-590-Prepare

and/or Review
Reimbursement

Form

Amount: \$672.00

Component Description: Item F - Educate

WETA staff on reimbursement

Amount: \$238.00

Component Description: Item F - Attorney

fees related to preparation of Form

399

Amount: \$1,643.90

Attorney Fees -

Negotiation of lease and other matters for shared locations

Component Description: Item A -

Negotiation with 3rd parties in connection with WETA move to Ch.

31

Amount: \$4,700.00

Component Description: Item A -

> Negotiation with 3rd parties for WETA move to Ch.

31

\$12,350.00 Amount:

Component Description: Item A - Attorney

> fees for various matter relating to channel 14 assignment and channel 31 move

Amount: \$6,330.80

Component Description: Legal services Amount: \$1,050.00

Component Description: Legal services

Amount: \$2,250.00

Component Description: WETA-550-

Attorney -

Negotiate Lease and Other Matters:

Amount: \$2,280.90

Component Description: Legal Services

Amount: \$1,650.00

Component Description: Legal services

Amount: \$10,468.03

Component Description: Legal Services

Rendered

Amount: \$6,147.03 **Component Description:** Item A -Negotiation of move to Ch. 31 and related issues Amount: \$20,644.80 **Component Description:** Work on WETA repack reimbursement issues Amount: \$7,327.35 **Component Description:** Item A - Attorney fees related to negotiation of WETA move to Ch. 31 Amount: \$17,227.32 **Component Description:** Item A - Attorney fees for exploring and negotiating channel alternatives to Ch. 14 Amount: \$5,758.86 **Component Description:** Item A - Attorney fees for exploration

and negotiation of Ch. 31 move \$1,626.47

Component Description: Attorney Fees-

Amount:

Negotiate Lease and Other Matters

Amount: \$2,332.40 Component Description: Negotiating with

3rd parties

(interference) for move to Ch. 31

Amount: \$476.00

Component Description: Legal services

Amount: \$3,189.20

Component Description: Work on WETA

repack issues with DCJTV-owned combiner

Amount: \$16,929.59

Component Description: Item A - Negotiate

with 3rd parties re: move to Ch. 31 and

related

Amount: \$4,093.60

Component Description: Item A - Attorney

fees for discussion regarding viability of Ch. 14 and move

to Ch. 31

Amount: \$6,822.08

Component Description: Legal Services

Amount: \$1,100.00

Component Description: Attorney -

Negotiate Lease and Other Matters

Amount: \$1,666.00

Component Description: Attorney -

Negotiate Lease and Other Matters

Amount: \$1,047.20

Component Description: Item A - Attorney

fees for negotiation of move to Channel 31. See attached invoice and items marked as A on page 2 for detail

breakout.

Amount: \$1,190.00

Component Description: Work on WETA

repack issues

regarding combiner

replacement

Amount: \$8,704.85

Component Description: Legal Services

Rendered

Amount: \$380.80

Site Visits and Surveys

Information not provided.

Progress Reporting		
	Component Description:	Item G -
		Preparation of
		progress report
	Amount:	\$47.60
	Component Description:	Legal services
	Amount:	\$861.00
	Component Description:	Legal Services
	Component Description.	Rendered
	Amount:	\$1,380.40
	1	ψ.,σσσσ
	Component Description:	Item G -
		Preparation and submission of
		progress reports
	Amount:	\$285.60
		•
	O-man amount December in the	Have O. Brancos
	Component Description:	Item G - Prepare progress report
	Amount:	\$893.35
	7	\$600.00
Channel change		
	Component Description:	Item A - Auction
		repack analysis
		related to WETA
		Ch. 14
	Amount:	\$10,743.75
	Commonant Descriptions	Item B - Coverage
	Component Description:	=
	Component Description:	study and
	Component Description:	study and interference maps
	Component Description:	study and interference maps for various
	Component Description:	study and interference maps for various scenarios including
	Amount:	study and interference maps for various

Component Description: Item A - Channel

14 issues and alternatives. SFN research options.

Amount: \$4,893.75

Component Description: Item A - Auction

repack analysis for

new Ch 14 assignment

Amount: \$5,850.00

Component Description: Item C - RF sweep

at transmitter site and UHF panel testing for new repack channel

Amount: \$1,687.50

Component Description: Item B - Repack

research issues related to Land Mobile interference

on Ch. 14

Amount: \$20,362.50

Component Description: Item A - Develop

new channel options with MPT. Extensive work to obtain a multiresolution agreement

between 3 parties

for channel changes for 5 stations so WETA could get ch 31.

Amount: \$2,193.75

Component Description: Item B - TV study

for alternative

channel

assignments.

WETA originally

assigned channel

14. This was an

unworkable

channel due to

numerous Land

Mobile stations in

DC. Studies we

undertaken to find

another channel.

WETA ultimately

found channel 31.

Amount: \$1,012.50

Component Description: Item B - Land

Mobile interference

and remediation on

Ch. 14

Amount: \$4,106.25

Architect and Engineering services		
services	Component Description:	Monthly progress of
		Architectural and
		Engineering Design for existing
		Transmitter Facility
		alterations.
	Amount:	\$7,061.65
	Component Description:	Professional
		Services
	Amount:	\$900.00
	Component Description:	Monthly progress of
		Architectural and
		Engineering Design
		for existing
		Transmitter Facility
		alteration for FCC Repack.
	Amount:	\$900.00

	Component Description:	Professional
		Services
	Amount:	\$300.00
	Component Description:	Monthly progress of
		Architectural and
		Engineering Design
		for existing
		Transmitter Facility alterations.
	Amount:	\$9,362.29
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	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	Item B - Monitor construction permit application \$190.40
	Component Description: Amount:	Item B - Work related to construction permit application \$476.00
		V .1.0.00
	Component Description:	Item B - Preparation of construction permit application and related
	Amount:	\$1,618.40
	Component Description:	Item B - Follow-up work related to CP
	Amount:	application \$226.95

Attorney Fees - Aux Antenna, prepare and File **Component Description:** Attorney -Form 2100 Construction Construction Permit Permit or License Application (Aux) Application \$333.20 Amount: **Component Description:** Construction Permit App Aux Amount: \$36.55 **Component Description:** Item C -Preparation of CP application for aux site Amount: \$285.60 **Component Description:** Attorney -Construction Permit Application (Aux Amount: \$179.35 Attorney Fees - Prepare Information not provided. and File FCC Form 2100 (main), Construction **Permit Application** RF Consulting Engineer Information not provided. Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application Prepare engineering Information not provided. section of FCC Form 2100 (main), License to Cover Application RF Consulting Engineer Information not provided. Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application

or new channel assignment and antenna development	Component Description: Amount:	Review of Land mobile interference with WETA on Ch. 14 \$5,000.00
Address transition timing and coordination issues w/other stations and wireless	Information not provided.	
Project management of the transition	Component Description: Amount:	Project Management \$6,954.05
	Component Description: Amount:	Project Management \$4,626.65
	Component Description: Amount:	Project Management \$4,988.10
	Component Description: Amount:	Project Management \$3,254.45
	Component Description: Amount:	Project Management \$1,945.35
	Component Description:	work related to TV repack rebuild of WETA TV
		transmitter room

Component Description: Project Management Amount: \$993.75 **Component Description:** Project Management Amount: \$4,894.25 **Component Description:** Project Management Amount: \$6,489.15 Prepare request for **Special Temporary Component Description:** Item E - Attorney Authorization fees related to STA for waiver of repack construction permit арр Amount: \$328.95 Prepare engineering Information not provided. section of FCC Form 2100

(main), Construction
Permit Application

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 Justifi
Other Expenses	\$121,426.00	\$117,061.00		\$21,197.00	
Additional Legal Expenses for Repack	\$0.00	\$0.00	N/A	N/A	N/
MVPD Notification of Channel Change	\$7,000.00	\$7,000.00	Estimated cost of using outside firm to contact MVPD's regarding channel change to repack channel.	\$1,250.00	N
Develop and air announcement of upcoming channel change	\$7,500.00	\$7,500.00	Costs for production and airtime of channel change announcements.	N/A	N/
Equipment Storage	\$10,000.00	\$10,000.00	See attached Budget Justification: FEES AND MISCELLANEOUS EXPENSES	N/A	N/
Equipment Delivery and Handling Charges	\$34,500.00	\$34,500.00	See WETA ULXTE90 6 pole CIF with RF Switch Load.pdf \$13,500 See WETA Interim Site ULXTE-50 9-6-18. pdf 11,000 Est. Ship for antenna and transmission line and other equipment 10,000	N/A	N/

Disposal Costs (for equipment and other waste, net of any salvage value)	\$45,681.00	\$45,681.00	Some disposal costs are anticipated for old equipment removed from service. Please see attached GatesAir Quote Q-79737.	\$19,947.00	N,
Non-zoning permits	\$5,000.00	\$5,000.00	Estimate of building permit costs to modify auxiliary transmitter site and extensive electrical work at main site.	N/A	N,
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$380.00	Anticipate needing to file two STA's in a project this complex.	N/A	Nı
DTV Medical Facility Notification	\$11,550.00	\$7,000.00	N/A	\$0.00	N/
Sub-total	\$121,426.00	\$117,061.00	N/A	\$21,197.00	N
Total for all systems	\$6,048,314.67	\$5,454,912.47	N/A	\$1,560,074.92	N/

Actual Information Description	File Name	
Additional Legal Expenses for Repack	Information not provided.	
MVPD Notification of Channel Change	Component Description: Amount:	Medical Notification \$1,250.00
Develop and air announcement of upcoming channel change	Information not provided.	

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)	Component Description: Amount:	Lump Sum: Decommissioning, Demolition, Transportation and Disposal of IOT Harris Transmission system and Components \$19,947.00
Non-zoning permits	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
DTV Medical Facility Notification	Information not provided.	

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$6,048,314.67	\$5,454,912.47	\$1,560,074.92

Reimbursem	entestatus	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. Sarah
GurfeinAmron
Contracts &
Regulatory
Specialist

06/27/2019

Section Question Response

Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).

- 1. The Authorized
 Person signing
 below certifies and
 represents that he
 /she is authorized to
 submit this TV
 Broadcaster
 Relocation Fund
 Reimbursement
 Form on behalf of
 the above-named
 entity.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.

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

- 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Sarah
GurfeinAmron
Contracts &
Regulatory
Specialist

06/27/2019

Attachments