



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **74197** | Service: **DTV** | Call **WWOR-TV** | Channel: **25 (UHF)**  
ID:  
File **0000027542**  
Number:  
FRN: **0005795067** | Date **08/15**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>FOX TELEVISION STATIONS, LLC</b>	Joseph M. Di Scipio 400 N. Capitol Street, NW Suite 890 WASHINGTON, DC 20001 United States	+1 (202) 824-6522	JDISCPIO@21CF.COM	Limited Liability Company

## Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

## Preparer Contact Information

### Preparer Contact Name and Information

Applicant	Address	Phone	Email
<b>Dennis Wallace</b> <i>Managing Partner</i> <i>Meintel, Sgrignoli, &amp; Wallace, LLC</i>	Dennis Wallace 1282 Smallwood Drive Suite 372 Waldorf, MD 20603 United States	+1 (202) 251-7589	Dennis.Wallace@mswdtv.com

**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		WWOR will install interim facilities and transition early at the One World Trade Center transmission site in New York City. The main site will require a new transmitter and combiner. The NJ Aux site will require new transmitter and combiner.

**Transmitters**

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

**Auxiliary  
Transmitter****Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Licensed Aux West Orange NJ
	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	DTT10SKU
	Year	2011
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	10 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	THU9-12 EVO 19 kW ATSC / 17.4 kW OFDM
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	19 kW
	Justification for New Transmitter	Existing transmitter is obsolete and no longer supported by its manufacturer which is no longer in business. Replacement transmitter required.

**Auxiliary  
Transmitter****Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	300 kVA

	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	400.0 feet
	Other Electrical Service	Yes
	Description	Aux Transmitter Electrical Installation West Orange NJ
<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>Additional building Engineering Services</b>	Engineering services related to installation of Aux Transmitter
<b>Remove Existing Equipment</b>	Removal of existing equipment from West Orange NJ Aux Site
<b>Transmitter replacement and Integration</b>	Building installation services for Aux transmitter

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**Remote Control Wiring**

Wire up existing remote control to new transmitter

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**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	DTT15KSU
	Year	2011
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	15 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?	No
	Manufacturer	
	Model	TBD
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	20 kW
	Justification for New Transmitter	Move to OWT requires new transmitter. Main transmitter is obsolete and no longer supported by its manufacturer. The manufacturer is no longer in business. A replacement transmitter is required.

**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes



	Power	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	400.0 feet
	Other Electrical Service	Yes
	Description	Main Transmitter Electrical Installation at OWT. Local 3 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

**Primary Transmitter**

**Other Transmitter Cost Not Listed**

Name	Description
<b>Installation Supervision</b>	Oversee installation at a complex site, One World Trade Center
<b>Installation Layout Drawings</b>	Prepare Installation layout and installation drawings

<b>Wire Remote Control</b>	Wire up existing remote control to new transmitter.
<b>Remove existing equipment</b>	Removal of existing equipment from ESB site

**Antennas**

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

**Auxiliary  
Antenna****Add Antenna Information**

Section	Question	Response
Existing Antenna Description	Type of change	Retune Existing
	Antenna Use	Auxiliary (Backup)
	Description of Use	Licensed Aux West Orange NJ
	Ownership	Leased
	Owner	American Tower
	Site	N/A
	Is this antenna currently shared with any other stations?	Yes
	Is this antenna directional?	Yes
	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	Top Mount
	Antenna position in stack	Bottom
	Polarization	Horizontal
	Type	Other
	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	Broadband
ERP: (Effective Radiated Power)	338.0 kW
Manufacturer	Dielectric
Model	TUD-C5SP-10/34U-2-B
Year	2012

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

Facility ID	Call Sign
22206	WNYW
73333	WNJU
9610	WCBS-TV

**Auxiliary Antenna**

**Adjustment to Existing Antenna**

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

**Auxiliary Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	5
	Frequencies of channels supported	RF channel
	Frequency	N/A

**Enter a list of RF channel numbers.**

RF Channel Number
35
25
26
27
36

**Auxiliary  
Antenna**

**Other Antenna Cost Not Listed**

Name	Description
American Tower Fees	American Tower Fees associated with modification of West Orange NJ Aux Facility

**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Lease 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?	No
	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	Top Mount
	Antenna position in stack	Bottom
	Polarization	Horizontal
	Type	Other
	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	Composite Antenna - Special ESB
	ERP: (Effective Radiated Power) .....	170.0 kW

Manufacturer	
Model	ESBTUF80
Year	2008

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**Primary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Lease New
	Is this a request for upgraded equipment?	No
	Ownership	Leased
	Owner	Durst
	Is antenna shared?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
<b>New Antenna Manufacturer and Types</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Middle
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	4
	Number of Panels/Bays	40
	Lower Limit	470.00 MHz
	Upper Limit	599.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	200.0 kW
	Manufacturer	
	Model	PEP40



Year	2017
Justification for New Antenna	Use existing OWT Master UHF Panel Antennas PEP40 and PEP96 Main /Alternate Main Antennas. No antenna costs included.

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	Yes
	Type	Additional Module
	Number of channels supported	5
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	No
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No

<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes
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**Enter a list of RF channel numbers.**

<b>RF Channel Number</b>
25
27
35
36
44

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

<b>Name</b>	<b>Description</b>
<b>NBC FOX Combiner and TL Purchase</b>	NBC Fox Combiner and Transmission Line Equipment Sale In Place
<b>RFS Retuning of NBC Combiner</b>	RFS Field Service to retune combiner to CH 25

**Transmission Line**

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

**Auxiliary Transmission Line****Add Transmission Line**

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Auxiliary (Backup)
	Description of Use	West Orange NJ Aux
	Ownership	Leased
	Owner	ATC
	Site	N/A
	Is this transmission currently shared with any other stations?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	Dielectric
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	2
	Length	400 feet per run

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

Facility ID	Call Sign
22206	WNYW
73333	WNJU
73881	WPIX
9610	WCBS-TV

**Auxiliary**      **Other Transmission Line Expenses Not Listed**  
**Transmission Line**      Information not provided.

**Primary**  
**Transmission Line**

**Existing Transmission Line**

Section	Question	Response
<b>Existing Transmission Line Description</b>	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
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	2
	Length	400 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	7 3/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	2
	Length	300 feet per run
	Justification for New Transmission Line	Transmission line to interconnect transmitter to combiner

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

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

**Auxiliary  
Tower**

**Add Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Auxiliary (Backup)
	Description of Use	West Orange NJ Aux
	Ownership	Leased
	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?	Unknown
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1060205
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	40° 48' 07.6" N-
	Longitude (NAD83)	074° 14' 45.5" W-
	Overall Structure Height	339.89 feet
	Support Structure Height	299.87 feet
	Ground Elevation Above Mean Sea Level	622.04 feet

	(AMSL)	
	Structure Type	LTOWER - Lattice Tower
	Tower Owner	American Tower, LLC
	Date Constructed	01/01/1974

**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
9610	WCBS-TV	DTV
60555	WFUT-DT	DTV
22206	WNYW	DTV
73881	WPIX	DTV
73333	WNJU	DTV

**Other Types of Users**

Users
Two Way

**Auxiliary  
Tower**

**Tower Modification Costs**

Section	Question	Response
<b>Engineering Study</b>	Please what type of engineering study is required, if any:	No study needed
<b>Tower Reinforcements</b>	Please select whether tower reinforcements are needed:	No 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
American Tower Fees	ATC Fees associates with changes required at West Orange NJ Aux Site

## Primary Tower

### Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Move Equipment
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Located on Building
	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	1007048
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	40° 44' 54.0" N-
	Longitude (NAD83)	073° 59' 09.0" W-
	Overall Structure Height	1453.39 feet
	Support Structure Height	1249.98 feet
	Ground Elevation Above Mean Sea Level (AMSL)	50.85 feet
	Structure Type	B - Building
	Tower Owner	EMPIRE STATE BUILDING COMPANY

**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
23004	WAXQ	FM
63781	WEPN-FM	FM
47535	WNBC	DTV
28203	WBLS	FM
60555	WFUT-DT	DTV
6595	WKTU	FM
73356	WPXN-TV	DTV
73887	WPLJ	FM
74215	WXTV-DT	DTV
18795	WNET	DTV
46978	WQXR-FM	FM
9611	WCBS-FM	FM
59953	WHTZ	FM
22206	WNYW	DTV
29022	WXNY-FM	FM
73333	WNJU	DTV
56571	WLTW	FM
25442	WNEW-FM	FM
73355	WNYC-FM	FM
6373	WWPR-FM	FM
73881	WPIX	DTV
19615	WQHT	FM

1328	WABC-TV	DTV
67846	WFAN-FM	FM
51249	WBAI	FM
9610	WCBS-TV	DTV

Other Types of Users

Users
Multi User Site

Primary Tower

Tower Rigging Costs

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

Primary Tower

Other Tower Expenses Not Listed

Information not provided.

**Outside  
Professional**

Section	Question	Response
<b>Services Costs Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	2500
	Explanation	Outside project management of OWT and West Orange NJ site projects.
<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	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
<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to	Yes

	Cover Application	
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	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	Yes
	Number of Days	30
	Justification	Supervision of project at OWT - Supervise Local 3 labor.

## Outside

## Professional

## Other Professional Services Expenses Not Listed

Name	Description
Prepare and File FCC Progress Reports	Prepare and file FCC Progress Reports

**Reimbursement Reviews with FCC  
Contractor**

Review reimbursements with FCC  
Contractor and Technical Consultants

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## 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	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
<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
New York Sales Tax	Estimated New York Sales tax on equipment purchases.

## 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 Justification
<b>Primary Transmitter TBD</b>	<b>\$1,382,756.32</b>	<b>\$1,345,756.32</b>		<b>\$617,899.38</b>	
Remove existing equipment	<i>\$195,000.00</i>	\$195,000.00	Remove existing equipment from transmitter area at ESB. NYC Labor - Elevator Logistics, Loading Dock, Teamsters, Rigging, ESB Building Logistics.	N/A	
Installation Supervision	<i>\$55,435.22</i>	\$55,435.22	Oversee installation at a complex site, One World Trade Center. See quote 190814_Electron Dynamics. Actual invoice reflects 5 days of non-work capability, travel and misc. materials.	\$55,435.22	
Wire Remote Control	<i>\$3,500.00</i>	\$3,500.00	Wire up remote control to new transmitter.	N/A	
Installation Layout Drawings	<i>\$146,882.00</i>	\$146,882.00	Hanson Engineering Fees - Transmitter Layout and Architectural Fees	\$50,858.84	
Other Electrical Service: Main Transmitter Electrical Installation at OWT. Local 3 Installation	<i>\$240,339.10</i>	\$240,339.10	OWT Electrical - Installation of new transmitter at OWT. Hatzel Buehler Local 3 Electricians.	\$8,339.10	
3" Rigid Conduit and	\$20,800.00	\$19,600.00	OWT Electrical - Local 3	N/A	

Wiring (Cost  
per foot)

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$650,000.00	Catalog Cost	\$503,266.22	
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	OWT Electrical - Local 3	\$0.00	
<b>Auxiliary Transmitter THU9-12 EVO 19 kW ATSC / 17.4 kW OFDM</b>	<b>\$1,616,118.00</b>	<b>\$1,286,493.00</b>		<b>\$692,518.00</b>	
Transmitter replacement and Integration	<b>\$308,070.00</b>	\$308,070.00	Building installation services for Aux transmitter. See quote 190814_Advent Quote	\$308,070.00	
Additional building Engineering Services	<b>\$85,573.00</b>	\$85,573.00	Additional Engineering services to support transmitter installation at Aux Site. See quote 190814_EJC.	\$85,573.00	
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$357,375.00	Replacement transmitter is 19 kW. Exact 10 kW replacement not available from Rohde and Schwarz. 13 kW is closest match. Upgrade cost is the difference between 13 kW and the 19 kW. See quotes 190515_Aux_Xmt_Quote and Quotation 214984. WWOR(FOX).WOrange. FCC	\$298,875.00	S a in u de co tr:
Remote Control Wiring	<b>\$3,500.00</b>	\$3,500.00	Wire Up remote control to new transmitter	N/A	
Remove	<b>\$45,000.00</b>	\$45,000.00	West Orange NJ Site -	N/A	

Existing Equipment			NJ Labor to remove existing Aux transmitter.	
Other Electrical Service: Aux Transmitter Electrical Installation West Orange NJ	<b>\$75,000.00</b>	\$75,000.00	West Orange NJ Site - NJ Labor. Electrical Installation of new Aux Transmitter.	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$20,800.00	\$19,600.00	Catalog West Orange NJ Site - NJ Labor	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	Catalog	N/A
UHF - Air Cooled Solid State Transmitter 19 kW	<b>\$357,375.00</b>	\$357,375.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***Replacement Aux Transmitter. Catalog price \$555,000	\$0.00
<b>Sub-total</b>	\$2,998,874.32	\$2,632,249.32	N/A	\$1,310,417.38
<b>Total for all systems</b>	\$6,763,687.32	\$4,543,397.32	N/A	\$1,879,425.14

## Components

Actual Information	
Description	File Name
Remove existing equipment	Information not provided.
Installation Supervision	

	<b>Component Description:</b>	Transmitter Installation
	<b>Amount:</b>	\$6,835.22
	<b>Component Description:</b>	Transmitter Installation 90% (on acceptance 60% and on major completion 30%).
	<b>Amount:</b>	\$48,600.00
Wire Remote Control	Information not provided.	
Installation Layout Drawings	<b>Component Description:</b>	Design of Eng and Const Costs Main Transmitter- srvs through June 9 , 2018 100% complete
	<b>Amount:</b>	\$10,380.68
	<b>Component Description:</b>	Design of Eng and Const Costs Main Transmitter- srvs through January 27 ,2018 60.6395% complete
	<b>Amount:</b>	\$62,947.94
	<b>Component Description:</b>	Design of Eng and Const Costs Main Transmitter- srvs through April 14 , 2018 90% complete
	<b>Amount:</b>	\$30,478.16

	<b>Component Description:</b> New York Port Authority Construction Review Fee <b>Amount:</b> \$10,000.00
Other Electrical Service: Main Transmitter Electrical Installation at OWT. Local 3 Installation	<b>Component Description:</b> Mechanical Work Broadcast equipment installation- WWOR <b>Amount:</b> \$8,339.10  <b>Component Description:</b> Broadcast equipment installation- WWOR <b>Amount:</b> \$20,250.00  <b>Component Description:</b> Broadcast equipment installation- WWOR <b>Amount:</b> \$66,375.00  <b>Component Description:</b> Broadcast equipment installation- WWOR <b>Amount:</b> \$1,350.00  <b>Component Description:</b> Broadcast equipment installation- WWOR <b>Amount:</b> \$117,675.00

	<b>Component Description:</b> Broadcast equipment installation- WWOR <b>Amount:</b> \$4,950.00
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	<b>Component Description:</b> 20% milestone payment (1st pymt 253,908.11 2nd pymt 152,344.86) <b>Amount:</b> \$101,563.25  <b>Component Description:</b> 50% deposit for transmitter- Excludes 50% for the transformer \$9,100 charge. reimbursement submitted separately. <b>Amount:</b> \$249,358.11  <b>Component Description:</b> Transmitter 30% milestone pymt (1st pymt \$253,908.11) <b>Amount:</b> \$152,344.86  <b>Component Description:</b> N/A <b>Amount:</b> N/A
Transformer 3 phase/480v - 300 KVA	<b>Component Description:</b> 50% of total cost of transformers- \$9,100 <b>Amount:</b> \$4,550.00
Transmitter replacement and Integration	

	<b>Component Description:</b>	Transmitter Facility 3rd payment - work to 85%
	<b>Amount:</b>	\$52,862.00
	<b>Component Description:</b>	Transmitter Facility- 4th installment PO to 100%
	<b>Amount:</b>	\$24,300.00
	<b>Component Description:</b>	Transmitter facility 1st installment 25%
Additional building Engineering Services	<b>Amount:</b>	\$40,500.00
	<b>Component Description:</b>	Transmitter Facility- West orange NJ
	<b>Amount:</b>	\$146,070.00
	<b>Component Description:</b>	Transmitter Facility 2nd installment- progress payment
	<b>Amount:</b>	\$44,338.00
	<b>Component Description:</b>	Auxiliary Support Facilities
	<b>Amount:</b>	\$67,198.00
	<b>Component Description:</b>	Auxiliary Support Facilities
	<b>Amount:</b>	\$9,187.50
	<b>Component Description:</b>	Auxiliary Support Facilities
	<b>Amount:</b>	\$9,187.50



UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	<b>Component Description:</b>		Aux Transmitter
	<b>Amount:</b>		10% Payment
			\$29,887.50
	<b>Component Description:</b>		Aux Transmitter
	<b>Amount:</b>		10% Payment
			\$29,887.50
	<b>Component Description:</b>		Aux Transmitter -
	<b>Amount:</b>		50% payment.
			\$149,437.50
	<b>Component Description:</b>		Aux Transmitter
	<b>Amount:</b>		30% payment
			\$89,662.50
Remote Control Wiring	Information not provided.		
Remove Existing Equipment	Information not provided.		
Other Electrical Service: Aux Transmitter Electrical Installation West Orange NJ	Information not provided.		
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.		
Transformer 3 phase/480v - 300 KVA	Information not provided.		
UHF - Air Cooled Solid State Transmitter 19 kW	<b>Component Description:</b>		WWOR Aux
	<b>Amount:</b>		Transmitter- 10%
			remainder upon
			successful
			completion of the
			21 day operation
			testing period
			\$35,737.50

<b>Component Description:</b>	WWOR Aux Transmitter- 50% downpayment
<b>Amount:</b>	\$178,687.50

<b>Component Description:</b>	WWOR Aux Transmitter- 30% upon delivery of all products
<b>Amount:</b>	\$107,212.50

<b>Component Description:</b>	WWOR Aux Transmitter- 10% upon success of the proof of performance
<b>Amount:</b>	\$35,737.50

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## 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
<b>Primary Antenna PEP40</b>	<b>\$1,700,280.00</b>	<b>\$525,750.00</b>		<b>\$500,000.00</b>	
RFS Retuning of NBC Combiner	<i>\$19,350.00</i>	\$19,350.00	RFS quote to re-tune combiner module to CH 25 for WWOR operation at OWT	N/A	N/A
NBC FOX Combiner and TL Purchase	<i>\$500,000.00</i>	\$500,000.00	WWOR purchase of existing WNBC combiner and transmission line in place at OWT.	\$500,000.00	N/A
UHF - High Power Top Mount (200-1000 kW), Four Station broadband panel antenna, elliptically or circularly polarized	\$1,090,000.00	\$0.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	RF Sweep and optimization of antenna/	N/A	N/A

transmission  
line at OWT.  
Line from  
TX to  
Combiner  
Input.

Adding a module to existing combiner (without antenna)	\$84,200.00	\$0.00	N/A	N/A	N/A
<b>Auxiliary Antenna TUD-C5SP-10/34U-2-B</b>	<b>\$299,598.00</b>	<b>\$209,068.00</b>		<b>\$0.00</b>	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Catalog - document existing performance on new channels. Determine optimization	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$0.00	Catalog	N/A	N/A
Combiner output splitting /switching for dual feed lines, if applicable	\$126,000.00	\$120,000.00	Catalog	N/A	N/A
American Tower Fees	<b>\$82,668.00</b>	\$82,668.00	Combiner and American Tower Fees associated with Aux Site. West Orange NJ	N/A	N/A

<b>Sub-total</b>	\$1,999,878.00	\$734,818.00	N/A	\$500,000.00	N/A
<b>Total for all systems</b>	\$6,763,687.32	\$4,543,397.32	N/A	\$1,879,425.14	N/A

## Components

<b>Actual Information</b>	
<b>Description</b>	<b>File Name</b>
RFS Retuning of NBC Combiner	Information not provided.
NBC FOX Combiner and TL Purchase	<p><b>Component Description:</b> Transmission Lines and Combiner Modules</p> <p><b>Amount:</b> \$500,000.00</p> <p><b>Component Description:</b> WNBC Transmission Lines and Combiner Modules</p> <p><b>Amount:</b> \$500,000.00</p>
UHF - High Power Top Mount (200-1000 kW), Four Station broadband panel antenna, elliptically or circularly polarized	Information not provided.
Sweep test of existing antenna	Information not provided.
Adding a module to existing combiner (without antenna)	Information not provided.
Sweep test of existing antenna	Information not provided.
New combiner, cost per channel (without antenna)	Information not provided.
Combiner output splitting /switching for dual feed lines, if applicable	Information not provided.

American Tower Fees

Information not provided.

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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
Primary Transmission Line	\$174,000.00	\$103,295.00		\$69,007.76	
Rigid Transmission Line - copper, 7 3 /16"	\$174,000.00	\$103,295.00	Includes costs for vendors Dielectric, RFS and Myat Inc.	\$69,007.76	Costs of Transmission lines were not captured in the estimated costs.
Auxiliary Transmission Line	\$0.00	\$0.00		\$0.00	
Sub-total	\$174,000.00	\$103,295.00	N/A	\$69,007.76	N/A
Total for all systems	\$6,763,687.32	\$4,543,397.32	N/A	\$1,879,425.14	N/A

Components

Actual Information	
Description	File Name
Rigid Transmission Line - copper, 7 3/16"	<div><div>Component Description:</div><div>45% Deposit on quote of 83,880. Quote later revised to 65,073.60 so only 27,327.60 remaining to be paid.</div><div>Amount:</div><div>\$37,746.00</div></div>

<b>Component Description:</b>	Transmission Line 3rd pymt (1st pymt 37,746 2nd pymt 27,327.60)
<b>Amount:</b>	\$630.00

<b>Component Description:</b>	Transmission Line Charges 2nd payment (1st payment 37,746)
<b>Amount:</b>	\$27,327.60

<b>Component Description:</b>	Transmission Line Switches WWOR
<b>Amount:</b>	\$31,261.76

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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 B	\$421,000.00	\$0.00		\$0.00	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$0.00	No Rigging Costs	N/A	N/A
Auxiliary Tower LTOWER	\$99,200.00	\$15,000.00		\$0.00	
American Tower Fees	<i>\$15,000.00</i>	\$15,000.00	ATC Fees associated with changes at West Orange NJ Aux Site.	N/A	N/A
Short Tower (less than 500')	\$84,200.00	\$0.00	N/A	N/A	N/A
Sub-total	\$520,200.00	\$15,000.00	N/A	\$0.00	N/A
Total for all systems	\$6,763,687.32	\$4,543,397.32	N/A	\$1,879,425.14	N/A

Components

Information not provided.

## 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
<b>Outside Professional Services</b>	<b>\$625,295.00</b>	<b>\$613,200.00</b>		<b>\$0.00</b>	
Reimbursement Reviews with FCC Contractor	<i>\$17,500.00</i>	\$17,500.00	Reimbursement Reviews with E&Y and Cavell.	N/A	N/A
Prepare and File FCC Progress Reports	<i>\$5,000.00</i>	\$5,000.00	Prepare and file FCC Progress Reports	N/A	N/A
Additional Field Engineering Service, 30 Days	<i>\$54,000.00</i>	\$54,000.00	On Site Engineering Supervision of Local 3 installation labor.	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	Catalog	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	Catalog	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	Catalog	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	Negotiate modification of Lease for new channels and equipment	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	Catalog	N/A	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	Catalog	N/A	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	Catalog	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$3,000.00	Two Aux Facilities	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	Catalog	N/A	N/A
RF Consulting Engineer Fees-	\$2,105.00	\$4,000.00	Two Aux facilities	N/A	N/A

Aux Antenna:  
Prepare  
engineering  
section of FCC  
Form 2100,  
Construction  
Permit  
Application

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	Catalog	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$19,950.00	Development of custom antenna configuration for WWOR. Interference Analysis regarding move to OWT and Early move to CH 25	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	NYC market Coordination of testing phase and transition phase operations.	N/A	N/A
Project management of the transition	\$395,000.00	\$375,000.00	Project Management of Main and Aux sites. Outside RF Engineering Services to project manage the OWT and West Orange NJ Projects. On- Site supervision of installation and	\$0.00	N/A

performance  
measurements.

Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	Catalog	N/A	N/A
<b>Sub-total</b>	\$625,295.00	\$613,200.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$6,763,687.32	\$4,543,397.32	N/A	\$1,879,425.14	N/A

## Components

Information not provided.

## 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>\$445,440.00</b>	<b>\$444,835.00</b>		<b>\$0.00</b>	
New York Sales Tax	<i>\$266,250.00</i>	\$266,250.00	Estimated New York Sales Tax on equipment. 8.875% is rate on ~\$3M taxable equipment.	N/A	N/A
MVPD Notification of Channel Change	<i>\$11,000.00</i>	\$11,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$1,500.00</i>	\$1,500.00	N/A	N/A	N/A
Equipment Storage	<i>\$19,000.00</i>	\$19,000.00	Off Site Equipment Staging and Storage until needed on site. OWT Equipment Installation equipment staging. Myat Inc.	N/A	N/A
Equipment Delivery and Handling	<i>\$19,750.00</i>	\$19,750.00	Staging Equipment Deliveries	N/A	N/A

Charges			to OWT Loading Dock Teamsters, Elevator Logistics, Rigging. after business hours work. Myat Inc.		
Disposal Costs (for equipment and other waste, net of any salvage value)	<b>\$95,000.00</b>	\$95,000.00	Disposal of equipment. NYC Labor, Rigging, Teamsters, Porters. Disposal of ESB Equipment.	N/A	N/A
Non-zoning permits	<b>\$19,750.00</b>	\$19,750.00	Mechanical, electrical, Fire Protection city of New York building /contractor permits.	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	Catalog	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	Catalog	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	Catalog	N/A	N/A
FCC Filing Fees - Special	\$195.00	\$190.00	Catalog	N/A	N/A

Temporary  
Authorization  
request

<b>Sub-total</b>	\$445,440.00	\$444,835.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$6,763,687.32	\$4,543,397.32	N/A	\$1,879,425.14	N/A

## Components

Information not provided.



<b>Cost Information</b>	<b>Grand Total</b>		
		<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>
			<b>Actual Cost</b>
	<b>Total for all systems</b>	\$6,763,687.32	\$4,543,397.32
			\$1,879,425.14

<b>Reimbursement Status</b>	<b>Question</b>	<b>Response</b>
	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> <li>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</li> </ol>	

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 above-named applicant for the Authorization(s) specified above.

**Angelo  
Servedio**  
*Vice  
President,  
Controller*

08/15/2019



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> <li>4. The above-named entity acknowledges the submission of the information herein</li> </ol>	

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

<p>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>Angelo Servedio</b>  <i>Vice President,  Controller</i></p> <p>08/15/2019</p>

## Attachments