Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **74197** | Service: **DTV** | Call Sign: **WWOR-TV** | Channel: **25 (UHF)**

File Number: **0000027542**

FRN: **0005795067** | Date Submitted: **02/07/2018**

Applicant Information

Applicant Name, Type, and Contact Information

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

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Dennis Wallace *Managing Partner* *Meintel, Sgrignoli, & Wallace, LLC*	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
Existing Transmitter Description	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
Existing Transmitter Manufacturer and Type	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?	No
	Manufacturer	
	Model	TBD
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	20 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
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Auxiliary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Remove Existing Equipment	Removal of existing equipment from West Orange NJ Aux Site
Remote Control Wiring	Wire up existing remote control to new transmitter

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 and Type	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
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Remove existing equipment	Removal of existing equipment from ESB site
Installation Layout Drawings	Prepare Installation layout and installation drawings

Wire Remote Control	Wire up existing remote control to new transmitter.

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

Auxiliary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	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
Existing Antenna Description	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
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	Composite Antenna - Special ESB
	ERP: (Effective Radiated Power)	170.0 kW

Manufacturer	
Model	ESBTUF80
Year	2008

Primary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	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
New Antenna Manufacturer and Types	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
Combiner for Shared Antenna	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
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No

Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Enter a list of RF channel numbers.

RF Channel Number
25
27
35
36
44

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
NBC FOX Combiner and TL Purchase	NBC Fox Combiner and Transmission Line Equipment Sale In Place
RFS Retuning of NBC Combiner	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 Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

Primary Transmission Line

Existing Transmission Line

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

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	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 Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

Tower Equipment And Rigging Costs

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

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
Engineering Study	Please what type of engineering study is required, if any:	No study needed
Tower Reinforcements	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

	Date Constructed	01/01/1931

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
6373	WWPR-FM	FM
18795	WNET	DTV
29022	WXNY-FM	FM
56571	WLTW	FM
51249	WBAI	FM
59953	WHTZ	FM
73355	WNYC-FM	FM
23004	WAXQ	FM
63781	WEPN-FM	FM
73356	WPXN-TV	DTV
73333	WNJU	DTV
73887	WPLJ	FM
74215	WXTV-DT	DTV
1328	WABC-TV	DTV
6595	WKTU	FM
46978	WQXR-FM	FM
60555	WFUT-DT	DTV
47535	WNBC	DTV
9610	WCBS-TV	DTV
9611	WCBS-FM	FM
25442	WNEW-FM	FM
22206	WNYW	DTV

73881	WPIX	DTV
19615	WQHT	FM
28203	WBLS	FM
67846	WFAN-FM	FM

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 Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	2500
	Explanation	Outside project management of OWT and West Orange NJ site projects.
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	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
RF Field Engineering Services	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 Services Costs

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

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	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	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 Cost Justification
Primary Transmitter TBD	**$1,251,982.00**	**$1,214,982.00**		**$253,908.11**	
Installation Layout Drawings	***$146,882.00***	$146,882.00	Hanson Engineering Fees - Transmitter Layout and Architectural Fees	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	$684,000.00	$650,000.00	Catalog Cost	$253,908.11	N/A
Transformer 3 phase /480v - 300 KVA	$36,800.00	$35,000.00	OWT Electrical - Local 3	$0.00	N/A
3" Rigid Conduit and Wiring (Cost per foot)	$20,800.00	$19,600.00	OWT Electrical - Local 3	N/A	N/A
Wire Remote Control	***$3,500.00***	$3,500.00	Wire up remote control to new transmitter.	N/A	N/A
Remove existing equipment	***$195,000.00***	$195,000.00	Remove existing equipment from transmitter area at	N/A	N/A

			ESB. NYC Labor - Elevator Logistics, Loading Dock, Teamsters, Rigging, ESB Building Logistics.		
Other Electrical Service: Main Transmitter Electrical Installation at OWT. Local 3 Installation	***$165,000.00***	$165,000.00	OWT Electrical - Installation of new transmitter at OWT. Hatzel Buehler Local 3 Electricians.	N/A	N/A
Auxiliary Transmitter TBD	**$765,100.00**	**$733,100.00**		**$0.00**	
Remote Control Wiring	***$3,500.00***	$3,500.00	Wire Up remote control to new transmitter	N/A	N/A
Remove Existing Equipment	***$45,000.00***	$45,000.00	West Orange NJ Site - NJ Labor to remove existing Aux transmitter.	N/A	N/A
Other Electrical Service: Aux Transmitter Electrical Installation West Orange NJ	***$75,000.00***	$75,000.00	West Orange NJ Site - NJ Labor. Electrical Installation of new Aux Transmitter.	N/A	N/A
UHF - Air	$584,000.00	$555,000.00	Catalog Cost	N/A	N/A

Cooled Solid State Transmitter 20 kW					
Transformer 3 phase /480v - 300 KVA	$36,800.00	$35,000.00	Catalog	N/A	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	N/A
Sub-total	$2,017,082.00	$1,948,082.00	N/A	$253,908.11	N/A
Total for all systems	$5,781,895.00	$3,859,230.00	N/A	$822,915.87	N/A

Components

Actual Information Description	**File Name**	
Installation Layout Drawings	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	**Component Description:** **Amount:**	50% deposit for transmitter $253,908.11
Transformer 3 phase/480v - 300 KVA	Information not provided.	
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Wire Remote Control	Information not provided.	
Remove existing equipment	Information not provided.	
Other Electrical Service: Main Transmitter Electrical Installation at OWT. Local 3 Installation	Information not provided.	
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.
UHF - Air Cooled Solid State Transmitter 20 kW	Information not provided.
Transformer 3 phase/480v - 300 KVA	Information not provided.
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

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
Primary Antenna PEP40	**$1,700,280.00**	**$525,750.00**		**$500,000.00**	
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/ transmission line at OWT. Line from TX to Combiner Input.	N/A	N/A
Adding a module to existing combiner (without antenna)	$84,200.00	$0.00	N/A	N/A	N/A
RFS Retuning of NBC Combiner	***$19,350.00***	$19,350.00	RFS quote to re-tune combiner module to CH 25 for WWOR	N/A	N/A

			operation at OWT		
NBC FOX Combiner and TL Purchase	***$500,000.00***	$500,000.00	WWOR purchase of existing WNBC combiner and transmission line in place at OWT.	$500,000.00	N/A
Auxiliary Antenna TUD-C5SP-10/34U-2-B	**$299,598.00**	**$209,068.00**		**$0.00**	
UHF - High Power Top Mount One Station antenna horizontally polarized	***$0.00***	$0.00	N/A	N/A	N/A
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	***$82,668.00***	$82,668.00	Combiner and	N/A	N/A

			American Tower Fees associated with Aux Site. West Orange NJ		
Sub-total	$1,999,878.00	$734,818.00	N/A	$500,000.00	N/A
Total for all systems	$5,781,895.00	$3,859,230.00	N/A	$822,915.87	N/A

Components

Actual Information Description	File Name
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.
RFS Retuning of NBC Combiner	Information not provided.
NBC FOX Combiner and TL Purchase	**Component Description:** WNBC Transmission Lines and Combiner Modules and PO **Amount:** $500,000.00
UHF - High Power Top Mount One Station antenna horizontally polarized	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.

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	Incudes invoices fro RFS, Dielectric 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	$5,781,895.00	$3,859,230.00	N/A	$822,915.87	N/A

Components

Actual Information Description	File Name	
Rigid Transmission Line - copper, 7 3/16"	**Component Description:**	45% Deposit on quote of 83,880. PO/quote subsequently revised for a total of 65,073.60 so only 27,327.60 remaining on this purchase
	Amount:	$37,746.00

Component Description:	Transmission Line Switches WWOR-Variance to quote pertains to freight
Amount:	$31,261.76

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
Auxiliary Tower LTOWER	**$99,200.00**	**$15,000.00**		**$0.00**	
American Tower Fees	***$15,000.00***	$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
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
Sub-total	$520,200.00	$15,000.00	N/A	$0.00	N/A
Total for all systems	$5,781,895.00	$3,859,230.00	N/A	$822,915.87	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 Cos Justificati
Outside Professional Services	**$625,295.00**	**$613,200.00**		**$0.00**	
Reimbursement Reviews with FCC Contractor	***$17,500.00***	$17,500.00	Reimbursement Reviews with E&Y and Cavell.	N/A	N/A
Prepare and File FCC Progress Reports	***$5,000.00***	$5,000.00	Prepare and file FCC Progress Reports	N/A	N/A
Additional Field Engineering Service, 30 Days	***$54,000.00***	$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
Prepare and or review	$2,630.00	$2,500.00	Catalog	N/A	N/A

reimbursement form					
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 performance measurements.	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
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
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$3,000.00	Catalog	N/A	N/A
RF Consulting Engineer Fees-Aux Antenna: Prepare	$2,105.00	$4,000.00	Two Aux facilities	N/A	N/A

engineering section of FCC Form 2100, Construction Permit Application					
Sub-total	$625,295.00	$613,200.00	N/A	$0.00	N/A
Total for all systems	$5,781,895.00	$3,859,230.00	N/A	$822,915.87	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
Other Expenses	**$445,440.00**	**$444,835.00**		**$0.00**	
New York Sales Tax	***$266,250.00***	$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	***$11,000.00***	$11,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	***$1,500.00***	$1,500.00	N/A	N/A	N/A
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 Temporary Authorization request	$195.00	$190.00	Catalog	N/A	N/A
Non-zoning permits	***$19,750.00***	$19,750.00	Mechanical, electrical, Fire Protection city of New York building /contractor permits.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	***$95,000.00***	$95,000.00	Disposal of equipment. NYC Labor, Rigging, Teamsters, Porters. Disposal of ESB Equipment.	N/A	N/A
Equipment Delivery and Handling Charges	***$19,750.00***	$19,750.00	Staging Equipment Deliveries to OWT Loading Dock Teamsters, Elevator Logistics, Rigging. after business hours work. Myat Inc.	N/A	N/A
Equipment Storage	***$19,000.00***	$19,000.00	Off Site Equipment Staging and Storage until needed on site. OWT Equipment Installation equipment	N/A	N/A

			staging. Myat Inc.		
Sub-total	$445,440.00	$444,835.00	N/A	$0.00	N/A
Total for all systems	$5,781,895.00	$3,859,230.00	N/A	$822,915.87	N/A

Components

Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$5,781,895.00	$3,859,230.00	$822,915.87

Reimbursement Status

Question	Response
The facility has ceased operating on its pre-auction channel.	No
Construction of final facilities or all necessary modifications are complete.	No
All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Certification

Section	Question	Response
Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
	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 above-named applicant for the Authorization(s) specified above.	**Angelo Servedio** *Vice President, Controller* 02/07/2018

Certification

Section	Question	Response
Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
	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. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 4. The above-named entity acknowledges the submission of the information herein	

creates no obligation on the part of the government to pay any amount.

5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station’s facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.
8. The above-named entity acknowledges that overpayments or payments in error

	must be promptly refunded to the Commission. 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
	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* 02/07/2018

Attachments