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:	**22206**	Service:	**DTV**	Call Sign:	**WNYW**	Channel:	**27 (UHF)**
File Number:	**0000027591**						
FRN:	**0005795067**	Date Submitted:	**12/05/2018**				

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	WNYW will build an interim facility on CH 44 and transition to its final CH 27 at the One World Trade Center. The WNYW Aux site at West Orange NJ will require a new transmitter and combiner system.

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 Site 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	DTT10KSU
	Year	2005
	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. Manufacturer is out of business. Replacement required. Channel change and combiner change require new transmitter.

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	150 kVA

	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	200.0 feet
	Other Electrical Service	Yes
	Description	New Aux Transmitter Electrical Installation at West Orange NJ Site
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
Remote Control Wiring	Wire up existing remote control to new transmitter.
Removal of Existing Equipment	Removal of Existing Aux Equipment from West Orange NJ Site.

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	DCX-3H
	Year	1999
	Type	Inductive Output Tube
	IOT Power Type	Three
	Power Capacity	75 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	40 kW
	Justification for New Transmitter	Existing transmitter is obsolete and can not be channel changed per manufacturer. Transmitter replacement required. New transmitter to be installed at One World Trade Center as interim facilities.

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	300.0 feet
	Other Electrical Service	Yes
	Description	New transmitter electrical installation - OWT Local 3
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
Removal of Existing Equipment	Removal of Existing Main Transmitter at Empire State Building
Transmitter layout drawings	Hanson Engineering equipment layout
Remote Control Wiring	Wire up existing remote control to new transmitter

Antennas

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

Auxiliary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Retune Existing
	Antenna Use	Auxiliary (Backup)
	Description of Use	Aux Site West Orange NJ
	Ownership	Leased
	Owner	American Tower
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	Is the existing 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	Middle
	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	Special Broadband Pylon
ERP: (Effective Radiated Power)	363.0 kW
Manufacturer	Dielectric
Model	TUD-C5SP-10/34U-2-B
Year	2011

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

Facility ID	Call Sign
73333	WNJU
74197	WWOR-TV
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
25
26
27
35
36

Auxiliary Antenna

Other Antenna Cost Not Listed

Name	Description
American Tower Fees	ATC Fees associated with combiner and site changes at West Orange NJ Aux Site

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?	Yes
	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	Circular
	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 Custom Special
	ERP: (Effective Radiated Power)	990.0 kW

Manufacturer	
Model	ATW25HS3-SPECIAL-44H
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	Top
	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)	900.0 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
44
25
27
35
36

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
CH 44 RFS Combiner System	RFS Combiner System for WNYW CH 44 (Interim Facility Pre-Repack)
CH 27 RFS Combiner System	RFS Combiner System for WNYW CH 27 (Post Repack)

Transmission Line

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

Auxiliary Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Auxiliary (Backup)
	Description of Use	Licensed Aux West Orange NJ
	Ownership	Leased
	Owner	American Tower
	Site	N/A
	Is the existing transmission line shared with another station or 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
73881	WPIX
73333	WNJU
74197	WWOR-TV
9610	WCBS-TV

Auxiliary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Optimize for New Channels	RF Sweep and Optimization for new channels
American Tower Fees	American Tower Fees for Aux Site Changes

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	20 inches
	Other Segment Length	N/A
	Number of parallel runs	2
	Length	500 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	20 inches
	Other Segment Length	N/A
	Number of parallel runs	2
	Length	300 feet per run
	Justification for New Transmission Line	New transmission line to interconnect transmitter to combiner module inputs.

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 (AMSL)	622.04 feet
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
74197	WWOR-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 Aux	West Orange Aux Site - ATC Spreadsheet costs

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?	Unknown
	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
29022	WXNY-FM	FM
28203	WBLS	FM
19615	WQHT	FM
23004	WAXQ	FM
60555	WFUT-DT	DTV
9610	WCBS-TV	DTV
63781	WEPN-FM	FM
73333	WNJU	DTV
59953	WHTZ	FM
47535	WNBC	DTV
46978	WQXR-FM	FM
9611	WCBS-FM	FM
73887	WPLJ	FM
74215	WXTV-DT	DTV
56571	WLTW	FM
25442	WNEW-FM	FM
18795	WNET	DTV
73356	WPXN-TV	DTV
6595	WKTU	FM
73355	WNYC-FM	FM
51249	WBAI	FM

1328	WABC-TV	DTV
67846	WFAN-FM	FM
74197	WWOR-TV	DTV
73881	WPIX	DTV
6373	WWPR-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 Interim Facilities. Project Management of West Orange Aux Site Modifications. On Site RF Engineering to supervise installation and verify performance.
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	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	On Site Supervision of Local 3 electricians at OWT site.

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Reimbursement Reviews with FCC Contractor	Reimbursement Form Reviews and Revisions with FCC Contractor
Prepare and File FCC Progress Reports	Prepare and File FCC Progress Reports

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	Estimate for New York Sales Tax

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	**$2,090,782.00**	**$2,015,082.00**		**$875,102.14**	
Remote Control Wiring	***$3,500.00***	$3,500.00	Wire up remote control to new transmitter.	$0.00	N/A
Transmitter layout drawings	***$146,882.00***	$146,882.00	Hanson Engineering Quote for layout of equipment on 90th floor.	N/A	N/A
Removal of Existing Equipment	***$250,000.00***	$250,000.00	Removal of existing equipment, elevator logistics, rigging, riggers, loading dock labor. Glycol, Beam Supplies, Oil Removal, Night work / Overtime. Empire State Building. ESB Teamsters /IBEW Labor	N/A	N/A

Other Electrical Service: New transmitter electrical installation - OWT Local 3	***$165,000.00***	$165,000.00	Main Transmitter Electrical Installation at OWT. Local 3 IBEW Labor.	N/A	N/A
3" Rigid Conduit and Wiring (Cost per foot)	$15,600.00	$14,700.00	OWT Electrical - Local 3	N/A	N/A
Transformer 3 phase /480v - 300 KVA	$36,800.00	$35,000.00	Catalog Cost	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	$1,473,000.00	$1,400,000.00	Catalog Cost	$875,102.14	N/A
Auxiliary Transmitter TBD	**$710,750.00**	**$680,300.00**		**$0.00**	
Removal of Existing Equipment	***$17,500.00***	$17,500.00	Removal of existing Aux equipment to make room for new Aux Transmitter - West Orange NJ	N/A	N/A
Remote Control Wiring	***$3,500.00***	$3,500.00	Wire up existing remote control to new transmitter.	N/A	N/A

Other Electrical Service: New Aux Transmitter Electrical Installation at West Orange NJ Site	***$75,000.00***	$75,000.00	Aux transmitter electrical installation at aux site West Orange, NJ.	N/A	N/A
2" Rigid Conduit and Wiring (Cost per foot)	$5,200.00	$5,000.00	West Orange - Electrical - NJ Local	N/A	N/A
Transformer 3 phase /480v - 150 KVA	$25,550.00	$24,300.00	Catalog	N/A	N/A
UHF - Air Cooled Solid State Transmitter 20 kW	$584,000.00	$555,000.00	Catalog Cost	N/A	N/A
Sub-total	$2,801,532.00	$2,695,382.00	N/A	$875,102.14	N/A
Total for all systems	$7,087,708.00	$5,296,366.00	N/A	$991,065.00	N/A

Components

Actual Information Description	File Name
Remote Control Wiring	Information not provided.
Transmitter layout drawings	Information not provided.
Removal of Existing Equipment	Information not provided.
Other Electrical Service: New transmitter electrical installation - OWT Local 3	Information not provided.
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

Transformer 3 phase/480v - 300 KVA	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	**Component Description:** Transmitter 50% downpayment **Amount:** $437,551.07 **Component Description:** Transmitter 10% final payment completion of 21 day operation testing period **Amount:** $87,510.22 **Component Description:** Transmitter 10% successful proof of performance milestone **Amount:** $87,510.21 **Component Description:** Transmitter 30% delivery of goods milestone **Amount:** $262,530.64
Removal of Existing Equipment	Information not provided.
Remote Control Wiring	Information not provided.
Other Electrical Service: New Aux Transmitter Electrical Installation at West Orange NJ Site	Information not provided.
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Transformer 3 phase/480v - 150 KVA	Information not provided.
UHF - Air Cooled Solid State Transmitter 20 kW	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	**$2,175,611.00**	**$1,001,081.00**		**$0.00**	
CH 27 RFS Combiner System	***$417,890.00***	$417,890.00	CH 27 Post-Repack Combiner System See attached RFS Quote	N/A	N/A
CH 44 RFS Combiner System	***$576,791.00***	$576,791.00	CH44 Interim Facility Combiner System per RFS Quote	N/A	N/A
Adding a module to existing combiner (without antenna)	$84,200.00	$0.00	N/A	N/A	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	Catalog	N/A	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
Auxiliary Antenna TUD-C5SP-10/34U-2-B	**$231,930.00**	**$224,068.00**		**$0.00**	
American Tower Fees	***$15,000.00***	$15,000.00	American Tower Fees for Modification of Aux Site at West Orange NJ.	N/A	N/A
New combiner, cost per channel (without antenna)	$84,200.00	$82,668.00	See attached ATC Spreadsheet for changes to Channel Combiner at West Orange NJ Aux Site	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
Sweep test of existing antenna	$6,730.00	$6,400.00	RF Sweep and Optimization. Local 3 labor.	N/A	N/A

UHF - High Power Top Mount One Station antenna horizontally polarized	***$0.00***	$0.00	0	N/A	N/A
Sub-total	$2,407,541.00	$1,225,149.00	N/A	$0.00	N/A
Total for all systems	$7,087,708.00	$5,296,366.00	N/A	$991,065.00	N/A

Components

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**	**$165,600.00**		**$115,962.86**	
Rigid Transmission Line - copper, 7 3 /16"	$174,000.00	$165,600.00	Catalog Cost. Two runs of Coax to interconnect WNYW transmitter to combiner modules.	$115,962.86	N/A
Auxiliary Transmission Line	**$0.00**	**$0.00**		**$0.00**	
American Tower Fees	***$0.00***	$0.00	N/A	N/A	N/A
Optimize for New Channels	***$0.00***	$0.00	N/A	N/A	N/A
Sub-total	$174,000.00	$165,600.00	N/A	$115,962.86	N/A
Total for all systems	$7,087,708.00	$5,296,366.00	N/A	$991,065.00	N/A

Components

Actual Information Description	File Name

Rigid Transmission Line - copper, 7 3/16"	**Component Description:** **Amount:**	45% deposit of Transmission Line Costs for WNYW on quote of 188,226. Quote later revised to 141,829.20. 57,128.10 remaining to be paid. $84,701.10
	Component Description: **Amount:**	WNYW transmission line switch $31,261.76
American Tower Fees	Information not provided.	
Optimize for New Channels	Information not provided.	

Cost Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower 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 planned.	N/A	N/A
Auxiliary Tower LTOWER	**$84,200.00**	**$0.00**		**$0.00**	
Short Tower (less than 500')	$84,200.00	$0.00	No rigging / tower work planned at this time.	N/A	N/A
American Tower Fees Aux	***$0.00***	$0.00	No rigging /antenna work planned at this time.	N/A	N/A
Sub-total	$505,200.00	$0.00	N/A	$0.00	N/A
Total for all systems	$7,087,708.00	$5,296,366.00	N/A	$991,065.00	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	**$640,245.00**	**$651,650.00**		**$0.00**	
Prepare and File FCC Progress Reports	***$19,950.00***	$19,950.00	Prepare and file FCC Progress reports - New York Issues	N/A	N/A
Additional Field Engineering Service, 30 Days	***$54,000.00***	$54,000.00	On Site Supervision of installation work by local 3 labor at OWT. On Site RF Engineering services.	N/A	N/A
RF Exposure Measurements	$21,050.00	$20,000.00	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	$19,950.00	Negotiate Lease Modifications OWT / ATC	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	$8,000.00	Two Aux Applications - Catalog	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	$4,500.00	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 - Catalog	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- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	$2,105.00	$4,000.00	Two Aux Facilities - Catalog	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
Perform engineering study for new channel assignment and antenna development	$7,360.00	$19,500.00	Development of Custom Antenna Patterns for WNYW DA studies related to move to OWT and interference studies to develop CP Mod parameters.	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	$2,630.00	$5,000.00	New York market Coordination - Phase 4 for testing and transition dates.	N/A	N/A
Prepare and or review reimbursement form	$2,630.00	$2,500.00	Catalog	N/A	N/A

Project management of the transition	$395,000.00	$375,000.00	Outside Project Management of Main/Aux projects at OWT and Aux facility changes at West Orange.	N/A	N/A
Comprehensive coverage verification via field study, if needed	$84,200.00	$80,000.00	Catalog	N/A	N/A
Reimbursement Reviews with FCC Contractor	***$17,500.00***	$17,500.00	Reimbursement Reviews w/ E&Y and Cavell.	N/A	N/A
Sub-total	$640,245.00	$651,650.00	N/A	$0.00	N/A
Total for all systems	$7,087,708.00	$5,296,366.00	N/A	$991,065.00	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	**$559,190.00**	**$558,585.00**		**$0.00**	
New York Sales Tax	***$355,000.00***	$355,000.00	NYC Sales Tax 8.875%. Estimate Sales Tax on ~$4M 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
Equipment Storage	***$19,000.00***	$19,000.00	Myat Storage and Equipment staging and storage off site until ready for on site delivery.	N/A	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	***$95,000.00***	$95,000.00	Remove and dispose of transformer oil, glycol, and various transmitter components from ESB Loading Dock.	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	$1,110.00	$1,070.00	Change CP location from ESB to OWT	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	***$45,000.00***	$45,000.00	City of New York, Building Permits for Mechanical, HVAC, Fire Protection, Electrical and submittals.	N/A	N/A
Equipment Delivery and Handling Charges	***$19,500.00***	$19,500.00	Staging equipment delivery to OWT Loading Dock. Night / Weekend hours. Teamsters. Myat Inc.	N/A	N/A

DTV Medical Facility Notification	$11,550.00	$11,000.00	Catalog	N/A	N/A
Sub-total	$559,190.00	$558,585.00	N/A	$0.00	N/A
Total for all systems	$7,087,708.00	$5,296,366.00	N/A	$991,065.00	N/A

Components

Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$7,087,708.00	$5,296,366.00	$991,065.00

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* 12/05/2018

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* 12/05/2018

Attachments