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: **73356** | Service: **DTV** | Call Sign: **WPXN-TV** | Channel: **34 (UHF)**

File Number: **0000028629**

FRN: **0003720042** | Date Submitted: **05/07/2018**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
ION MEDIA LICENSE COMPANY, LLC Doing Business As: ION MEDIA LICENSE COMPANY, LLC	Michael Hubner 810 Seventh Avenue 31st Floor New York, NY 10019 United States	+1 (212) 603-8407	MichaelHubner@ionmedia.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
The Preparer is same as the reimbursement contact.			

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	Relocate from current site (ESB) to 1WTC. Will be using the master antenna equipment at the new facility and installing new transmitters and RF systems to the master combiner. See attached Transition Plan Exhibit for more information.

Transmitters

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

Auxiliary Transmitter

Add Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Auxiliary Transmitter
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	Ultimate
	Year	2002
	Type	Solid State
	Solid State Cooling	Liquid 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	THU9-12 EVO
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	19 kW
	Justification for New Transmitter	See attached Ultimate and Optimum Transmitter Exhibit. New location requires additional TPO.

Auxiliary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	No

	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Electrical and mechanical installation for replacement transmitter.
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

Information not provided.

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	DCX
	Year	2002
	Type	Inductive Output Tube
	IOT Power Type	Three
	Power Capacity	60 kW

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	THU9-16 EVO
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	25.5 kW
	Justification for New Transmitter	We do not agree with your "upgrade" characterization. We have calculated our ERP and headroom requirements in accordance with the reimbursement rules. See attached revised Transmitter Exhibit, including Upgrade Disclaimer.

Primary Transmitter

Other Transmitter Costs

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

	Power	150 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Electrical and mechanical installation for replacement transmitter.
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
RF Interconnect	Interconnect between transmitter and combiner
Removal of Existing Equipment	Removal of existing transmitters and equipment

Antennas

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

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	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	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	180.0 kW
	Manufacturer	

Model	TFU-24DSC-R CT170 SP-DC
Year	2003

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 - 1WTC
	Is antenna shared?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	Yes
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	698.00 MHz
	Design power capacity in use	35.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	100.0 kW
	Manufacturer	
	Model	PEP40E

	Year	2017
	Justification for New Antenna	Current slot antenna can not be re-channeled.

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	4
	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

36
35
34

Primary Antenna

Other Antenna Cost Not Listed

Information not provided.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Lease New
	Ownership	Leased
	Owner	Durst - 1WTC
	Is antenna shared?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Type	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	96
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	35.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	100.0 kW
	Manufacturer	
	Model	PEP96L
	Year	2017

	Justification for New Antenna	Required for on-air operation during channels transition.

Interim 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	4
	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 an 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
35

34
36

Interim Antenna

Other Antenna Cost Not Listed

Information not provided.

Transmission Line

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	No

Tower Equipment And Rigging Costs

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

Primary Tower

Add Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	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	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1263701
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	40° 42' 46.8" N-

Longitude (NAD83)	074° 00' 47.3" W-
Overall Structure Height	1791.97 feet
Support Structure Height	1334.63 feet
Ground Elevation Above Mean Sea Level (AMSL)	14.11 feet
Structure Type	BTWR - Building with Tower
Tower Owner	Port Authority of New York and New Jersey
Date Constructed	05/10/2013

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
73333	WNJU	DTV
47535	WNBC	DTV
18795	WNET	DTV
1328	WABC-TV	DTV
9610	WCBS-TV	DTV
73881	WPIX	DTV

Primary 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

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.

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	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Unknown
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
9610	WCBS-TV	DTV
73355	WNYC-FM	FM
28203	WBLS	FM
23004	WAXQ	FM
73333	WNJU	DTV
60555	WFUT-DT	DTV
25442	WNEW-FM	FM
46978	WQXR-FM	FM
6595	WKTU	FM
22206	WNYW	DTV
67846	WFAN-FM	FM
61641	WSKQ-FM	FM
47535	WNBC	DTV
43952	WMBC-TV	DTV
74215	WXTV-DT	DTV
29022	WXNY-FM	FM
51663	WPAT-FM	FM
58579	WBMP	FM
63781	WEPN-FM	FM
73887	WPLJ	FM
9611	WCBS-FM	FM

1328	WABC-TV	DTV
70493	WZME	DTV
6373	WWPR-FM	FM
18795	WNET	DTV
67866	WEBR-CD	DTV
19615	WQHT	FM
74197	WWOR-TV	DTV
56571	WLTW	FM
51249	WBAI	FM
59953	WHTZ	FM

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?	No
	Number of Hours	N/A
	Explanation	N/A
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	Yes
	Environmental Assessment	Yes
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Installation Supervision	management of transmitter installation
Engineering Services	Design and specifying electrical, mechanical and RF systems
Commissioning of combiner	Commissioning of the modules into the combiner for both the main and auxiliary.

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	Yes
	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

Information not provided.

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 THU9-16 EVO	**$1,677,901.00**	**$1,134,925.00**		**$746,318.45**	
Removal of Existing Equipment	***$406,205.00***	$406,205.00	The transmitter removal services quote is amended to $406,205. Please see attached exhibit.	N/A	N/A
Other Electrical Service: Electrical and mechanical installation for replacement transmitter.	***$153,243.00***	$153,243.00	Bel-Air Electric has provided a revised quote that differentiates between the main transmitter and the auxiliary transmitter. See attached exhibit. The total transmitter installation services quote is $153,243 for the main transmitter.	$149,592.00	N/A

Switchgear - industrial 800 amp	$38,200.00	$0.00	N/A	N/A	N/A
Transformer 3 phase /480v - 150 KVA	$25,550.00	$6,737.00	Per FCC procedure, as the actual cost for this expense is greater than what was previously estimated, ION has updated the cost estimate to reflect our latest invoices. Please see Feldman Brothers #2369067-00 & Feldman Brothers #2350187-00 attachments.	$6,737.00	N/A
RF Interconnect	***$107,703.00***	$107,703.00	Transmission line from patch panel to combiner included for both the main and auxiliary in attached RFS quote.	$102,552.19	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	$947,000.00	$461,037.00	N/A	$487,437.26	Actual cost of primary transmitter is greater than estimated cost, but lower than predetermined cost estimate.

Auxiliary Transmitter THU9-12 EVO	**$896,383.00**	**$513,970.00**		**$514,929.00**	
Other Electrical Service: Electrical and mechanical installation for replacement transmitter.	***$148,633.00***	$148,633.00	Bel-Air Electric has provided a revised quote that differentiates between the main transmitter and the auxiliary transmitter. See attached exhibit. The total transmitter installation services quote is $148,633 for the auxiliary transmitter.	$149,592.00	Actual Cost of electrical installation for auxiliary transmitter slightly greater than previously estimated cost.
Switchgear - industrial 800 amp	$38,200.00	$0.00	N/A	N/A	N/A

Transformer 3 phase /480v - 150 KVA	$25,550.00	$6,737.00	Per FCC procedure, as the actual cost for this expense is greater than what was previously estimated, ION has updated the cost estimate to reflect our latest invoice. Please see Feldman Brothers #2369067-00 & Feldman Brothers #2350187-00 attachments.	$6,737.00	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	$684,000.00	$358,600.00	N/A	$358,600.00	N/A
Sub-total	$2,574,284.00	$1,648,895.00	N/A	$1,261,247.45	N/A
Total for all systems	$6,272,689.00	$3,931,903.10	N/A	$1,512,531.13	N/A

Components

Actual Information Description	File Name
Removal of Existing Equipment	Information not provided.

Other Electrical Service: Electrical and mechanical installation for replacement transmitter.	**Component Description:**	Payment No. 3 for electrical installation of primary transmitter. Detailed cost breakdown and supporting documentation attached. This invoice has been paid.
	Amount:	$15,266.32
	Component Description:	Payment No. 1 for electrical installation of primary transmitter. Detailed cost breakdown and supporting documentation attached. This invoice has been paid.
	Amount:	$29,704.75
	Component Description:	Payment No. 2 for electrical installation of primary transmitter. Detailed cost breakdown and supporting documentation attached. This invoice has been paid.
	Amount:	$104,620.93
Switchgear - industrial 800 amp	Information not provided.	

Transformer 3 phase/480v - 150 KVA	**Component Description:**	Cost of transformers for primary transmitter. Supporting documentation and cost breakdown attached. This invoice has been paid.
	Amount:	$2,243.42
	Component Description:	Cost of transformers for primary transmitter. Supporting documentation and cost breakdown attached. This invoice has been paid.
	Amount:	$4,493.58
RF Interconnect	**Component Description:**	Cost of RF Interconnect Components to Join Transmitter with Transmission Line. Supporting documentation attached. This invoice has been paid.
	Amount:	$7,246.13

Component Description:	Cost of Additional RF Interconnect Components to Join Transmitter with Transmission Line. Supporting documentation attached. This invoice has been paid.
Amount:	$1,511.04
Component Description:	10% "acceptance payment" for rigid transmission line patch panel (RF interconnect) to combiner. Detailed cost breakdown and supporting documentation attached. This invoice has been paid.
Amount:	$9,245.70
Component Description:	40% "with order payment" for rigid transmission line patch panel (RF interconnect) to combiner. Detailed cost breakdown and supporting documentation attached. This invoice has been paid.
Amount:	$36,982.80

Component Description:	50% "prior to ship payment" for rigid transmission line patch panel (RF interconnect) to combiner. Detailed cost breakdown and supporting documentation attached. This invoice has been paid.
Amount:	$46,228.50
Component Description:	Cost of RF Interconnect components to self-monitor quality of RF Signal to Transmitter. Supporting documentation attached. This invoice has been paid.
Amount:	$1,338.02

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	**Component Description:**	75% "remaining balance" payment for Rohde & Schawrz primary transmitter. Supporting documentation and cost breakdown attached.
	Amount:	$365,577.95
	Component Description:	25% "down-payment" for Rohde & Schwarz Primary Transmitter. Supporting documentation and cost breakdown attached. This invoice has been paid.
	Amount:	$121,859.31

Other Electrical Service: Electrical and mechanical installation for replacement transmitter.	**Component Description:**	Payment No. 3 for electrical installation of auxiliary transmitter. Detailed cost breakdown and supporting documentation attached. This invoice has been paid.
	Amount:	$15,266.33
	Component Description:	Payment No. 1 for electrical installation of auxiliary transmitter. Detailed cost breakdown and supporting documentation attached. This invoice has been paid.
	Amount:	$29,704.75
	Component Description:	Payment No. 2 for electrical installation of auxiliary transmitter. Detailed cost breakdown and supporting documentation attached. This invoice has been paid.
	Amount:	$104,620.92
Switchgear - industrial 800 amp	Information not provided.	

Transformer 3 phase/480v - 150 KVA	**Component Description:**	Cost of transformers for auxiliary transmitter. Supporting documentation and cost breakdown attached. This invoice has been paid.
	Amount:	$4,493.58
	Component Description:	Cost of transformers for auxiliary transmitter. Supporting documentation and cost breakdown attached. This invoice has been paid.
	Amount:	$2,243.42

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	**Component Description:**	75% "remaining balance" payment for Rhode & Schwarz Auxiliary transmitter. Supporting documentation and cost breakdown attached.
	Amount:	$268,950.00
	Component Description:	25% "down-payment" for Rohde & Schwarz Auxiliary Transmitter. Supporting documentation and cost breakdown attached. This invoice has been paid.
	Amount:	$89,650.00

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna PEP96L	**$1,180,930.00**	**$106,727.00**		**$100,327.34**	
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	N/A	N/A	N/A
Adding a module to existing combiner (without antenna)	$84,200.00	$100,327.00	Vendor cost was higher than predetermined estimate. See attached RFS quote.	$100,327.34	Variance between Actual and Estimated Costs is only 34 cents.
Primary Antenna PEP40E	**$1,180,930.00**	**$106,727.00**		**$100,327.34**	

Adding a module to existing combiner (without antenna)	$84,200.00	$100,327.00	Vendor cost was higher than predetermined estimate. See attached RFS quote.	$100,327.34	Variance for Actual vs. Estimated Costs is only 34 cents.
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	N/A	N/A	N/A
Sub-total	$2,361,860.00	$213,454.00	N/A	$200,654.68	N/A
Total for all systems	$6,272,689.00	$3,931,903.10	N/A	$1,512,531.13	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)	**Component Description:**	10% "acceptance payment" for interim single channel VPT combiner system. Detailed cost breakdown and supporting documentation attached. This invoice has been paid.
	Amount:	$10,032.74
	Component Description:	40% "with order payment" for interim single channel VPT combiner system. Detailed cost breakdown and supporting documentation attached. This invoice has been paid.
	Amount:	$40,130.93
	Component Description:	50% "prior to ship payment" for interim single channel VPT combiner system. Detailed cost breakdown and supporting documentation attached. This invoice has been paid.
	Amount:	$50,163.67

Adding a module to existing combiner (without antenna)	**Component Description:**	10% "acceptance payment" for primary single channel VPT combiner system. Detailed cost breakdown and supporting documentation attached. This invoice has been paid.
	Amount:	$10,032.73
	Component Description:	40% "with order payment" for primary single channel VPT combiner system. Detailed cost breakdown and supporting documentation attached. This invoice has been paid.
	Amount:	$40,130.94
	Component Description:	50% "prior to ship payment" for primary single channel VPT combiner system. Detailed cost breakdown and supporting documentation attached. This invoice has been paid.
	Amount:	$50,163.67

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.

Cost Information

Transmission Line

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 Justificatior
Primary Tower BTWR	**$421,000.00**	**$1,499,200.00**		**$0.00**	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	$421,000.00	$1,499,200.00	Remove current antenna and transmission line from ESB. See attached Reimbursement of Tower Work Expenses Exhibit and Advent Quote.	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	N/A	N/A	N/A
Sub-total	$842,000.00	$1,499,200.00	N/A	$0.00	N/A
Total for all systems	$6,272,689.00	$3,931,903.10	N/A	$1,512,531.13	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 Co Justificati
Outside Professional Services	**$371,406.00**	**$451,390.10**		**$28,680.00**	
Commissioning of combiner	***$28,680.00***	$28,680.00	See attached RFS quote.	$28,680.00	N/A
Engineering Services	***$142,891.00***	$142,891.00	The engineering services quote is amended to $142,891. Please see attached exhibit.	$0.00	N/A
Installation Supervision	***$25,000.00***	$25,000.00	N/A	N/A	N/A
RF Exposure Measurements	$21,050.00	$20,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	$84,200.00	$80,000.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	$2,105.00	$0.00	N/A	N/A	N/A

ASR modification (prepare FCC Form 854)	$2,105.00	$0.00	N/A	N/A	N/A
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	$10,520.00	$0.00	N/A	N/A	N/A
NEPA Section 106 environmental review, if needed	$6,310.00	$0.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	$7,360.00	$3,500.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	$4,210.00	$74,646.90	Per FCC procedure, as the actual cost for this expense is greater than what was previously estimated, ION has updated the cost estimate to reflect our latest invoice. Please see Cooley #501527-146 for supporting documentation.	$0.00	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	$2,365.00	$2,250.00	N/A	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	$14,359.30	Per FCC procedure, as the actual cost for this expense is greater than what was previously estimated, ION has updated the cost estimate to reflect our latest invoice. Please see Cooley #501527-146 for supporting documentation.	$0.00	N/A
Prepare request for Special Temporary Authorization	$4,100.00	$1,500.00	N/A	N/A	N/A

RF Consulting Engineer Fees-Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	$1,580.00	$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	$1,580.00	$1,500.00	N/A	N/A	N/A
RF Consulting Engineer Fees-Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	$2,105.00	$2,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$3,000.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,000.00	N/A	N/A	N/A

Prepare and or review reimbursement form	$2,630.00	$37,062.90	Per FCC procedure, as the actual cost for this expense is greater than what was previously estimated, ION has updated the cost estimate to reflect our latest invoice. Please see Cooley #501527-146 for supporting documentation.	$0.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	$2,630.00	$2,500.00	N/A	N/A	N/A
Sub-total	$371,406.00	$451,390.10	N/A	$28,680.00	N/A
Total for all systems	$6,272,689.00	$3,931,903.10	N/A	$1,512,531.13	N/A

Components

Actual Information Description	File Name

Commissioning of combiner	**Component Description:**	50% "prior to ship payment" for commissioning of combiner. Detailed cost breakdown and supporting documentation attached. This invoice has been paid.
	Amount:	$14,340.00
	Component Description:	10% "acceptance payment" for commissioning of combiner. Detailed cost breakdown and supporting documentation attached. This invoice has been paid.
	Amount:	$2,868.00
	Component Description:	40% "with order payment" for commissioning of combiner. Detailed cost breakdown and supporting documentation attached. This invoice has been paid.
	Amount:	$11,472.00

Engineering Services	**Component Description:** <

ASR modification (prepare FCC Form 854)	Information not provided.	
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.	
NEPA Section 106 environmental review, if needed	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Attorney Fees - Negotiation of lease and other matters for shared locations	**Component Description:** **Amount:**	Attorney fees for services rendered negotiating lease and other matters for shared New York City tower site of ION Media License Company, LLC, WPXN-TV. Hourly supporting documentation attached. This invoice has been paid. $74,646.90
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.	

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	**Component Description:** <

Prepare and or review reimbursement form	**Component Description:** **Amount:**	Attorney fees for preparing, reviewing and revising the Reimbursement Form (FCC Form 2100 Schedule 399) in connection with the expedited relocation from ESB to 1WTC as part of NYC television repack project of ION Media License Company, LLC, WPXN-TV. $37,062.90
Address transition timing and coordination issues w/ other stations and wireless	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 Cos Justificati
Other Expenses	**$123,139.00**	**$118,964.00**		**$21,949.00**	
MVPD Notification of Channel Change	***$3,000.00***	$3,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	***$0.00***	$0.00	The amount is yet to be determined (TBD) and ION will submit on-air announcement costs when finalized.	N/A	N/A
Equipment Delivery and Handling Charges	***$21,949.00***	$21,949.00	N/A	$21,949.00	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	***$25,000.00***	$25,000.00	N/A	N/A	N/A
Non-zoning permits	***$25,000.00***	$25,000.00	N/A	$0.00	N/A
DTV Medical Facility Notification	$11,550.00	$8,500.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	$1,110.00	$0.00	N/A	N/A	N/A

FCC Filing Fees - Form 2100 license to cover application	$335.00	$325.00	N/A	N/A	N/A
Local Zoning	***$25,000.00***	$25,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	$195.00	$190.00	N/A	N/A	N/A
Equipment Storage	***$10,000.00***	$10,000.00	N/A	N/A	N/A
Sub-total	$123,139.00	$118,964.00	N/A	$21,949.00	N/A
Total for all systems	$6,272,689.00	$3,931,903.10	N/A	$1,512,531.13	N/A

Components

Actual Information Description	**File Name**	
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Delivery and Handling Charges	**Component Description:**	Cost for Administrative, Logistics, Labor, & Freight for Equipment Delivery of Mixed Components. Supporting documentation attached. This invoice has been paid.
	Amount:	$7,050.00

Component Description:	Cost for Administrative, Logistics, Dock Labor, Freight for Equipment Delivery of Mixed Components Supporting documentation attached. This invoice has been paid.
Amount:	$1,180.00
Component Description:	Cost for Administrative, Logistics, Dock Labor, Freight for Equipment Delivery of Mixed Components. Supporting documentation attached. This invoice has been paid.
Amount:	$1,850.00
Component Description:	Cost for Administrative, Logistics, Dock Labor, Crate Modification Materials & Freight for Equipment Delivery of Mixed Components. Supporting documentation attached. This invoice has been paid.
Amount:	$1,869.00

	Component Description: **Amount:**	Cost of freight for RFS combiner module system. Detailed cost breakdown and supporting documentation attached. This invoice has been paid. $10,000.00
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
Non-zoning permits	**Component Description:** **Amount:**	80% Payment for Tenant Alteration Application (TAA) plus TAA Filing Fee for the Port Authority of NY/NJ. Cost breakdown and supporting documentation attached. This invoice has been paid. $21,193.64
DTV Medical Facility Notification	Information not provided.	
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
Local Zoning	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	

Equipment Storage	Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$6,272,689.00	$3,931,903.10	$1,512,531.13

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.	**Mario Vasquez** *Vice President - Finance, Operations* 05/07/2018

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.	**Mario Vasquez** *Vice President - Finance, Operations* 05/07/2018

Attachments