

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 48608 ID: File 000002 Number:	Service: DTV 28529	Call Sign:	WPXM-TV	Channel: 21 (UHF)
FRN: 0003720042	Date Submitted:	08/06 /2019		

Applicant Name, Type, and Contact Information

Applicant Information

n	Applicant	Address	Phone	Email	Applicant Type
	ION MEDIA LICENSE COMPANY, LLC Doing Business As: ION MEDIA LICENSE COMPANY, LLC	Bianca Frye 601 Clearwater Park Road West Palm Beach, FL 33401 United States	+1 (561) 682- 4110	BiancaFrye@ionmedia. com	Limited Liability Company

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer	Preparer Contact Name and Information				
Contact Information	Applicant	Address	Phone	Email	
	The Preparer is same as the reimbursement contact.				

Broadcaster	Question
Information	
and	
Transition	
Plan	

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.	No
Briefly describe transition plan	Relocate from ATC to IWG tower. Use interim antenna at IWG until repack testing phase concludes. Install new transmitter and transmission line to interim ant, re- channel to post repack channel on new main antenna. See Transmitters and Antenna Exhibit.

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

Primary	Existing Transmitter Information				
ransmitter	Section	Question	Response		
	Existing Transmitter Description	Type of change	Purchase New		
		Use	Primary (Main)		
		Description of Use	N/A		
		Ownership	Owned		
		Owner	N/A		
		Site	N/A		
	Is this transmitter currently shared with another station?	No			
		Is this transmitter currently in operating condition?	Yes		
	Existing Transmitter	Manufacturer			
	Manufacturer and Type	Model	Ultimate		
		Year	2003		
		Туре	Solid State		
		Solid State Cooling	Liquid Cooled		
		Solid State Power Capacity	10 kW		

Existing Transmitter Information

Primary	New Transmitter Costs				
Transmitter	Section	Question	Response		
	New Transmitter	Use	Primary (Main)		
		Change Type	Purchase New		
		Is this a request for upgraded equipment?	No		
		Manufacturer			
	Model	THU9-8 EVO			
	Transmitter Type	Solid State			
	Solid State Cooling	Liquid Cooled			
		Solid State Power capacity	13 kW		
		Justification for New Transmitter	See attached Ultimate and Optimum Transmitter and Transition Plan Exhibits. New tower location requires additional TPO for interim operation.		

Primary			
Transmitter	Section	Question	
	Electrical Service	Service Entrance (3 phases 800A 208V)	

Switchgear (industrial 800 amp)

Response

No

No

Other Transmitter Costs

	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Electrical Installation for replacement transmitter
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	5 tons
	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	Other Transmitter Cost Not Listed		
Transmitter	Name	Description	
	Removal of Existing Equipment	Removal of existing transmitters and equipment / Site Prep	
	RF Interconnect	Interconnect between RF System and transmission line	

Antennas Section		Question	Response
Antenna Rela	ated Expenses	Do you have antenna related expenses?	Yes

Primary	Existing Antenna Information			
Antenna	Section	Question	Response	
	Existing Antenna Description	Type of change	Purchase 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	Class	Full Power	
	Manufacturer and Type	Mounting	Top Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels	N/A	
		Design power capacity in use	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	242.0 kW	

Manufacturer	
Model	ATW19H3- HSPX-35S
Year	2009

Primary	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	Yes	
		Ownership	Owned	
		Owner	N/A	
		Is antenna shared?	No	
		Is antenna directional?	Yes	
		Will antenna be located on or in close proximity to an antenna farm?	Yes	
	New Antenna	Class	Full Power	
	Manufacturer and Types	Mounting	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Elliptical	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels/Bays	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Design power capacity in use	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	96.0 kW	
		Manufacturer		
			1	

Model	TFU-18DSC /VP-R P230
Year	2017
Justification for New Antenna	Current slot antenna cannot be re- channeled

Primary Antenna Section Question Response **Combiner for Shared** Do you need a Combiner for a Shared No Antenna? Antenna Type Number of channels supported N/A Frequencies of channels supported N/A Frequency N/A Do you need a combiner output splitter N/A /switcher for dual feed lines? **Elbow Complex** Do you require the separate purchase of Yes the Elbow Complex? Broadband or Single Channel? Single Channel Feed Line Size 4 1/16 inches inches Side Mount Brackets Do you require the separate purchase of Yes side mount brackets for a high power antenna? Yes **Pattern Scatter Analysis** Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? Yes **Sweep Test** Do you require the sweep testing of transmission line and antenna?

Other Antenna Costs

PrimaryOther Antenna Cost Not ListedAntennaInformation not provided.

Interim	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Interim	
		Description of Use	N/A	
		Change Type	Purchase New	
		Ownership	Owned	
		Owner	N/A	
		Is antenna shared?	No	
		Is antenna directional?	Yes	
		Will antenna be located on or in close proximity to an antenna farm?	Yes	
	New Antenna	Class	Full Power	
	Manufacturer and Type	Mounting	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		Туре	Broadband Slot	
		Number of Stations Supported	1	
		Number of Panels/Bays	8	
		Lower Limit	470.00 MHz	
		Upper Limit	698.00 MHz	
		Design power capacity in use	25.0 %	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	150.0 kW	
		Manufacturer		
		Model	TFU-WB-8	
		Year	2017	
			1	

Justification for New Antenna	Interim
	antenna wil
	operate on
	current
	channel
	from IWG
	tower until
	repack
	phase
	concludes
	and the
	station cuts
	over to
	main
	antenna on
	repack
	channel.

Interim Other Antenna Costs

Antenna

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	4 1/16 inches
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

Interim Other Antenna Cost Not Listed

Antenna Information not provided.

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

ransmissio	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
Existing Transmission		Is the existing transmission line shared with another station or stations?	No
		Is Transmission Line in operating condition?	Yes
	_	Manufacturer	
	Line Manufacturer and Type	Туре	Rigid
		Diameter	4 1/16 inches
		Other Diameter	N/A
		Segment Length	20 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	1014 feet per run

Primary Existing Transmission Line

Primary	New Transmission Line			
Transmission	n Line Section	Question	Response	
	New Transmission Line Costs	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	No	
		Туре	Rigid	
		Diameter	4 1/16 inches	
		Other Diameter	N/A	
		Segment Length	Broadband	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	1040 feet per run	
		Justification for New Transmission Line	See attached Transmission Line Exhibit	

Other Transmission Line Expenses Not Listed Transmission

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

Primary	Add Tower				
Tower	Section	Question	Response		
	Existing Tower	Type of change	Modify Existing		
	Description	Tower Use	Primary (Main)		
		Description of Use	N/A		
		Ownership	Leased		
		Is this tower consider Complex?	Candelabra		
		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?	Unknown		
		Is tower compliant with Rev G?	No		
	Existing Tower	Do you have a tower registration number?	Yes		
	Structure Registration	ASR Number	1029604		
	Coordinates (NAD83 (Latitude (NAD83)	25° 57' 31.0" N-		
	North American Datum of 1983))	Longitude (NAD83)	080° 12' 43.0" W-		
		Overall Structure Height	1042.97 feet		
		Support Structure Height	981.62 feet		
		Ground Elevation Above Mean Sea Level (AMSL)	6.23 feet		

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	IWG Miami
Date Constructed	11/25/1977

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
72984	WFLC	FM
71418	WEDR	FM
72982	WHQT	FM
13456	WPBT	DTV
40408	WFEZ	FM

Primary Tower Modification Costs

.....

Tower

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Serious Reinforcements needed

Primary	Tower Rigging Costs			
Tower	Section	Question	Response	
	Tower Rigging Costs	Complex Tower	Candelabra	

Other Tower Expenses Not Listed Primary Tower

Information not provided.

Primary	Existing Tower				
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?	Candelabra		
		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?	Unknown		
		Is tower compliant with Rev G?	No		
	Existing Tower Structure Registration	Do you have a tower registration number?	Yes		
		ASR Number	1224225		
	Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	25° 59' 10.0" N-		
		Longitude (NAD83)	080° 11' 36.3" W-		
		Overall Structure Height	1019.02 feet		
		Support Structure Height	942.90 feet		
		Ground Elevation Above Mean Sea Level (AMSL)	11.15 feet		
		Structure Type	GTOWER - Guyed Structure Used for Communication Purposes		
		Tower Owner	American Towers, LLC.		

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
41381	WHYI-FM	FM
29547	WSBS-CD	DTV
64971	WSCV	DTV
67193	WMIB	FM
11965	WBGG-FM	FM
51349	WBEC-TV	DTV
51978	WMIA-FM	FM
60536	WAMI-DT	DTV
29567	WSFS	FM

Primary Tower Rigging Costs

Tower

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

Primary Other Tower Expenses Not Listed

Tower Information not provided.

Outside	Section	Question	Response
Professional	Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	180
		Explanation	Required by tower landlord
	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	No
		For Main Facility	Yes
		Prepare engineering section of Form FCC License to Cover Application	Yes
		For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare request for Special Temporary Authority	Yes
		Quantity	1
		Do you have Distributed Transmission System engineering services?	N/A
		Critical Facility	N/A
		Terrain-Shielded Facility	N/A
	Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
	Services	For Auxiliary Facility	No
		For Main Facility	Yes
		Prepare and file Form FCC License to Cover Application	Yes
		For Auxiliary Facility	No

	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	Yes
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Other Professional Services Expenses Not Listed Professional Services roostsided.

Other	Section	Question	Response
Expenses	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	No
		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 Not Listed

Expenses Information not provided.

Transmitters

Cost Information

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 THU9-8 EVO	\$613,750.00	\$534,011.62		\$509,011.62	
RF Interconnect	\$0.00	\$0.00	RF Interconnect was not required. Estimated cost updated to reflect this fact.	\$0.00	N/A
Removal of Existing Equipment	\$25,000.00	\$25,000.00	N/A	\$0.00	N/A
5 Ton system	\$20,250.00	\$16,965.00	See attached Precision Air Systems #88678.	\$16,965.00	N/A
Other Electrical Service: Electrical Installation for replacement transmitter	\$74,000.00	\$74,000.00	Per FCC Request, ION is revising the estimate for electrical installation with updated quote from Eagle 1 Electric, Inc. Please see attached "Eagle 1 Electric, Inc. #190 (Revised)" for scope of work.	\$74,000.00	N/A

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$418,046.62	See Rohde & Schwarz #9500072344, #9500073022, #9500079673, and #9500087897.	\$418,046.62	N/A
Sub-total	\$613,750.00	\$534,011.62	N/A	\$509,011.62	N/A
Total for all systems	\$3,404,094.22	\$1,574,232.26	N/A	\$1,091,517.98	N/A

Components

Actual Information Description	File Name	
RF Interconnect	Information not provided.	
Removal of Existing Equipment	Information not provided.	
5 Ton system	Component Description: Amount:	Cost of labor and materials to install one (10 ton) HVAC system. Supporting documentation attached. This invoice has been paid. \$16,965.00
Other Electrical Service: Electrical Installation for replacement transmitter	Component Description:	Cost of additional components/labor inside and outside of transmitter building to protect electrical components and finalize transmitter installation. This invoice has been paid. \$2,676.33

	Component Description:	50% "final"
		payment for
		electrical
		installation.
		Supporting
		documentation
		attached. This
		invoice has been
		paid.
	Amount:	\$37,000.00
		· · · · · · · · · · · · · · · · · · ·
	Component Description:	50% "final"
		payment for
		electrical
		installation.
		Supporting
		documentation
		corrected and
		attached. This
		invoice has been
		paid.
	Amount:	\$37,000.00
		<i>\\\</i>
	O	
	Component Description:	50% "deposit"
		payment for
		electrical
		installation.
		Supporting
		Supporting documentation
		Supporting documentation corrected and
		Supporting documentation corrected and attached. This
		Supporting documentation corrected and attached. This invoice has been
		Supporting documentation corrected and attached. This invoice has been paid.
	Amount:	Supporting documentation corrected and attached. This invoice has been
	Amount:	Supporting documentation corrected and attached. This invoice has been paid.
UHF - Liquid Cooled Solid	Amount:	Supporting documentation corrected and attached. This invoice has been paid.
State Transmitter 8.2 - 13	Amount:	Supporting documentation corrected and attached. This invoice has been paid.
	Amount:	Supporting documentation corrected and attached. This invoice has been paid.
State Transmitter 8.2 - 13	Amount:	Supporting documentation corrected and attached. This invoice has been paid.
State Transmitter 8.2 - 13	Amount:	Supporting documentation corrected and attached. This invoice has been paid.
State Transmitter 8.2 - 13	Amount:	Supporting documentation corrected and attached. This invoice has been paid.
State Transmitter 8.2 - 13	Amount:	Supporting documentation corrected and attached. This invoice has been paid.
State Transmitter 8.2 - 13	Amount:	Supporting documentation corrected and attached. This invoice has been paid.
State Transmitter 8.2 - 13	Amount:	Supporting documentation corrected and attached. This invoice has been paid.
State Transmitter 8.2 - 13	Amount:	Supporting documentation corrected and attached. This invoice has been paid.

Component Description:	75% "remaining balance" payment of the Rohde & Schwarz Transmitter, inclusive of taxes incurred. Supporting documentation attached. \$302,484.95
Component Description:	Cost of cable management tray to secure all transmitter wiring. Supporting documentation attached. This invoice has been paid. \$6,733.17
Component Description:	25% "down payment" for Rohde & Schwarz transmitter. Cost breakdown & supporting documentation attached. This invoice has been paid. \$92,992.50

Component Description:	Full cost of channel
	change and final
	transmitter proof of
	performance.
	Supporting
	documentation
	attached. This
	invoice has been
	paid.
Amount:	\$15,836.00

Antennas

Cost Information

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 TFU-WB-8	\$195,100.00	\$97,336.50		\$56,904.00	
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	\$9,570.00	\$5,579.00	See attached Dielectric Quote #45322.	\$5,579.00	Actual Costs equals Estimated Costs
Sweep test of existing antenna	\$6,730.00	\$6,400.00	See attached Dielectric Quote #700113CMZ- 1.	\$6,400.00	N/A
UHF - Lower Power Side Mount, One station antenna - medium power (50- 200 kW), horizontally polarized	\$89,400.00	\$44,925.00	See attached Dielectric Quote #45322.	\$4,492.50	N/A

\$89,400.00	\$40,432.50	***System Notice: Estimate adjusted and locked because line has been superseded. ***	\$40,432.50	N/A
\$250,910.00	\$228,641.00		\$75,429.45	
\$5,260.00	\$0.00	Pattern Scatter Analysis not required. Estimated cost adjusted to reflect this fact.	\$0.00	N/A
\$23,150.00	\$16,425.00	See attached Dielectric Quote #700511CMZ.	\$7,391.25	N/A
\$9,570.00	\$9,196.00	See attached Dielectric Quote #700511CMZ. Inclusive of line item 3 (\$8,055) and line item 4 (\$1,141).	\$4,138.20	N/A
	\$250,910.00 \$5,260.00 \$23,150.00	\$250,910.00 \$228,641.00 \$5,260.00 \$0.00 \$23,150.00 \$16,425.00	Notice: Estimate adjusted and locked because line has been superseded. ***\$250,910.00\$228,641.00\$5,260.00\$0.00\$5,260.00\$0.00\$23,150.00\$16,425.00\$23,150.00\$16,425.00\$23,150.00\$16,425.00\$23,150.00\$16,425.00\$23,150.00\$16,425.00\$23,150.00\$16,425.00\$23,150.00\$16,425.00\$23,150.00\$16,425.00\$23,150.00\$16,425.00\$23,150.00\$16,425.00\$23,150.00\$16,425.00\$23,150.00\$16,425.00\$23,150.00\$16,425.00\$23,150.00\$16,425.00\$23,150.00\$26 attached Dielectric Quote #700511CMZ. Inclusive of line item 3 (\$8,055) and line item 4	Notice: Estimate adjusted and locked because line has been superseded. State\$250,910.00\$228,641.00\$75,429.45\$5,260.00\$0.00Pattern Scatter Analysis not required. Estimated cost adjusted to reflect this fact.\$0.00\$23,150.00\$16,425.00See attached Dielectric Quote #700511CMZ.\$7,391.25\$9,570.00\$9,196.00See attached Dielectric Quote #700511CMZ.\$4,138.20\$9,570.00\$9,196.00See attached Dielectric Quote #700511CMZ.\$4,138.20

Sweep test of existing antenna	\$6,730.00	\$6,400.00	See attached Dielectric Quote #700511CMZ.	\$2,880.00	N/A
UHF - Lower Power Side Mount, One Station antenna . medium power (50- 200 kW), elliptically or circularly polarized	\$103,100.00	\$135,600.00	See attached Dielectric Quote #700511CMZ. Cost of Vertical Polarization is excluded from this amount.	\$0.00	Due to technical error within Form.
UHF - Lower Power Side Mount, One Station antenna . medium power (50- 200 kW), elliptically or circularly polarized	\$103,100.00	\$61,020.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***The estimated cost has been re-entered due to a technical error with the LMS form. Per FCC procedure, we have re- entered the original cost estimate that ties to our original submission while the technical issue is resolved.	\$61,020.00	N/A

Sub-total	\$446,010.00	\$325,977.50	N/A	\$132,333.45	N/A
Total for all systems	\$3,404,094.22	\$1,574,232.26	N/A	\$1,091,517.98	N/A

Components

Actual Information Description	File Name	
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	Component Description:	45% "prior to ship" payment for interim jumper air flex. In filing the Form 399, ION assumed the cost of interim jumper air flex would be included in this category. Supporting documentation attached. This invoice has been paid.
	Amount:	\$1,852.20
	Component Description:	45% "down payment" for interim jumper air flex. In filing the Form 399, ION assumed the cost for interim jumper air flex would be included in this category. Supporting documentation attached. This invoice has been paid.
	Amount:	\$1,852.20

Component Description:	10% "remaining balance" payment on interim reducer. Supporting documentation attached. This invoice has been paid. \$146.30
Component Description:	45% "prior to ship" payment for interim reducer. In filing the Form 399, ION assumed the cost of interim reducer would be included in this category. Supporting documentation attached. This invoice has been paid.
Amount:	\$658.35
Component Description:	45% "down payment" for interim reducer. In filing the Form 399, ION assumed the cost of the interim reducer would be included in this category. Supporting documentation attached. This invoice has been paid.
Amount:	\$658.35

	Component Description: Amount:	10% "remaining balance" payment on interim jumper airflex. Supporting documentation attached. This invoice has been paid. \$411.60
Sweep test of existing antenna	Component Description:	45% "down payment" for repack sweep of interim operations. Supporting documentation attached. This invoice has been paid.
	Amount:	\$2,880.00
	Component Description:	45% "prior to ship" payment for repack sweep of interim operations. Supporting documentation attached. This invoice has been paid.
	Amount:	\$2,880.00
	Component Description:	10% "remaining balance" payment for repack sweep of interim operations. Supporting documentation attached. This invoice has been paid.
	Amount:	\$640.00

Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Component Description:	10% "remaining balance" payment on interim antenna Supporting documentation attached. This invoice has been paid. \$4,492.50
UHF - Lower Power Side		
Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Component Description:	45% "prior to ship" payment for interin antenna. Supporting documentation attached. This invoice has been paid.
	Amount:	\$20,216.25
	Component Description:	45% "down payment" for interim antenna. Supporting documentation attached. This invoice has been paid.
	Amount:	\$20,216.25
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	

Side mount brackets for		
high power antennas (if not included in antenna base cost)	Component Description:	45% "down payment" for primary antenna side mount brackets. Explanation of variance and supporting documentation attached. This invoice has been
	Amount:	paid. \$7,391.25
	Component Description:	45% "prior to ship" payment for primary antenna side mount brackets. Explanation of variance and supporting documentation attached.
	Amount:	\$7,391.25
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if	Component Description:	45% "down
needed)		payment" for flanges. In filing the Form 399, ION assumed the cost of this item would be included in this category. Explanation of variance and supporting documentation
		attached. This
		invoice has been paid.

antenna		
	Component Description:	45% "down
		payment" for
		repack sweep of
		primary antenna
		operations.
		Explanation of
		variance and
		supporting
		documentation
		attached. This
		invoice has been
		paid.
	Amount:	\$2,880.00
	Component Description:	45% "prior to ship'
		payment for repac
		sweep of primary
		antenna
		operations.
		Explanation of
		variance and
		supporting
		documentation
		attached.
	Amount:	\$2,880.00
UHF - Lower Power Side		
Mount, One Station	Component Description:	45% "prior to ship'
antenna . medium power		payment for
(50-200 kW), elliptically or		primary antenna.
circularly polarized		Explanation of
		variance and
		supporting
		documentation
		attached.
	Amount:	\$61,020.00

UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	Component Description:	45% "down payment" for primary antenna. Explanation of variance and supporting documentation attached. This invoice has been paid.
	Amount:	\$61,020.00

Transmission Line

Cost Information

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	\$169,520.00	\$128,393.92		\$127,088.20	
Rigid Transmission Line - copper, 4 1 /16" broadband	\$169,520.00	\$128,393.92	See attached Dielectric Quote #700113CMZ- 1. Please also see Dielectric Invoice #75064 and #357002.	\$127,088.20	N/A
Sub-total	\$169,520.00	\$128,393.92	N/A	\$127,088.20	N/A
Total for all systems	\$3,404,094.22	\$1,574,232.26	N/A	\$1,091,517.98	N/A

Actual Information Description	File Name	
Rigid Transmission Line - copper, 4 1/16" broadband	Component Description:	Cost for transmission line cut pieces. Supporting documentation is attached. This invoice has been paid.
	Amount:	\$1,305.72

Component Description:	Cost for transmission line cut pieces. Supporting documentation is attached. This invoice has been paid. \$7,822.20
Component Description:	10% "remaining balance" payment for primary transmission line. Supporting documentation attached. This invoice has been paid. \$11,926.60
Component Description:	45% "prior to ship" payment for primary transmission line. Supporting documentation attached. This invoice has been paid. \$53,669.70
Component Description:	45% "down payment" for primary transmission line. Supporting documentation attached. This invoice has been paid. \$53,669.70

Tower Equipment and Rigging Costs

Cost Information

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 Justificatio
Primary Tower GTOWER	\$421,000.00	\$0.00		\$0.00	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$0.00	Both rigging and de-rigging of tower included in quote.	\$0.00	N/A
Primary Tower GTOWER	\$1,485,600.00	\$342,550.00		\$304,450.00	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$330,550.00	See attached Worldwide Communications Quote #853 and Worldwide Communications Quote #S-18- 869.	\$304,450.00	N/A
Serious tower reinforcement /modifications	\$1,052,000.00	\$0.00	Updated estimate.	\$0.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	See Shared Equipment Exhibit for more information.	N/A	N/A
Sub-total	\$1,906,600.00	\$342,550.00	N/A	\$304,450.00	N/A

Total for all	\$3,404,094.22	\$1,574,232.26	N/A	\$1,091,517.98	N/A
systems					

Actual Information Description	File Name	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Component Description:	65% "remobilization cost" to rig tower and install transmission line. Supporting documentation is attached. This invoice has been paid. \$38,500.00
	Component Description:	10% "deposit" for tower service. Cost breakdown and supporting documentation attached. This invoice has been paid. \$20,135.00

Component Description:	25% "remaining balance" payment for removal of interim antenna and final tower rigging at site. Supporting documentation attached. \$16,150.00
Component Description:	25% "after install" payment for tower service. Cost breakdown and supporting documentation attached. This invoice has been paid. \$50,337.50
Component Description:	65% "mobilization" payment for tower service. Cost breakdown and supporting documentation attached. This invoice has been paid. \$130,877.50
Component Description:	75% "deposit" for removal of interim antenna and final tower rigging at site. Supporting documentation attached. This invoice has been paid. \$48,450.00

Serious tower reinforcement /modifications	Information not provided.
Structural engineering tower load study for well documented tower	Information not provided.

Outside Professional Services

Cost Information

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
Outside Professional Services	\$179,130.00	\$161,280.00		\$8,430.49	
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
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$10,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	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 - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$4,742.99	Duplicate li item. ION only requestin reimbursem for invoice dated 5/ ⁻ /2018.
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	\$1,250.00	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
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,000.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$437.50	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
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$28,440.00	\$18,530.00	See AT Exhibit for more information.	N/A	N/A
Sub-total	\$179,130.00	\$161,280.00	N/A	\$8,430.49	N/A
Total for all systems	\$3,404,094.22	\$1,574,232.26	N/A	\$1,091,517.98	N/A

Actual Information Description	File Name
RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	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	Information not provided.

File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	Invoice for station's portion of general repack legal expenses incurred for 42 of the ION repack stations for period 2/1/2017 - 12/15/2017. Payee has corresponded with FCC staff and has provided corrected supporting documentation.
	Amount:	\$4,837.97
	Component Description:	Invoice for WPXM's portion of general repack legal expenses incurred for 42 of the ION repack stations for period 2 /1/2017 - 12/15 /2017. Payee has corresponded with FCC staff. Hourly supporting documentation and invoice attached.

	Component Description:	Invoice for WPXM's portion of general repack legal expenses incurred for 42 of the ION repack stations for period 2 /1/2017 - 12/15 /2017. Payee has corresponded with FCC staff. Cover letter, hourly supporting documentation and invoice attached. \$4,742.99
Prepare request for Special Temporary Authorization	Component Description:	Cost of engineering consultant work on special temporary authority request revision. Hourly supporting documentation attached. This invoice has been paid. \$250.00
	Component Description:	Cost of engineering consultant work for special temporary authority request. Hourly supporting documentation attached. This invoice has been paid. \$1,000.00

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	Cost of engineering consultant preparation of engineering section of FCC Form 2100. Hourl supporting documentation attached. This invoice has been
	Amount:	paid. \$2,000.00

Perform engineering study		
for new channel assignment and antenna development	Component Description:	Cost of engineering consultant work for new channel assignment and antenna development. Hourly supporting documentation attached. This invoice has been paid. \$125.00
	Aniount.	\$120.00
	Component Description:	Cost of engineering consultant work for new channel assignment and antenna development. Hourly supporting documentation attached. This invoice has been
	Amount:	paid. \$62.50
	Component Description:	Cost of engineering consultant work for new channel assignment and antenna development. Hourly supporting documentation attached. This invoice has been paid. \$250.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	

Prepare and or review reimbursement form	Information not provided.
Project management of the transition	Information not provided.

Other Expenses

Cost Information

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 Justificatio
Other Expenses	\$89,084.22	\$82,019.22		\$10,204.22	
MVPD Notification of Channel Change	\$1,800.00	\$1,800.00	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 Storage	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$10,204.22	\$10,204.22	Please see attached Dielectric Invoices #329046, 351010, and 354015.	\$10,204.22	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$15,000.00	\$15,000.00	N/A	N/A	N/A
Non-zoning permits	\$15,000.00	\$15,000.00	N/A	N/A	N/A

FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$4,500.00	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
Sub-total	\$89,084.22	\$82,019.22	N/A	\$10,204.22	N/A
Total for all systems	\$3,404,094.22	\$1,574,232.26	N/A	\$1,091,517.98	N/A

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 Storage	Information not provided.

Equipment Delivery and		
Handling Charges	Component Description:	Cost of freight for delivery of main antenna package. Supporting documentation is attached. This invoice has been paid.
	Amount:	\$2,767.50
	Component Description:	Cost of freight for delivery of main antenna package. Supporting documentation is attached. This invoice has been paid.
	Amount:	\$7,041.94
	Component Description:	Cost of freight for delivery of main antenna package. Supporting documentation is attached. This invoice has been paid.
	Amount:	\$394.78
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
Non-zoning permits	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
DTV Medical Facility Notification	Information not provided.	

FCC Filing Fees - Form 2100 license to cover application	Information not provided.
Local Zoning	Information not provided.

Cost Information	Grand Total				
		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$3,404,094.22	\$1,574,232.26	\$1,091,517.98	

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	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.	
		 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. 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).
- 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.	
an aut namee	are, under penalty of perjury, that I am chorized representative of the above- d applicant for the Authorization(s) ied above.	Mario Vasquez Vice President - Finance, Operations 08/06/2019

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR 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).	
		 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).
- 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

Attachments
