



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **48608** | Service: **DTV** | Call **WPXM-TV** | Channel: **21 (UHF)** |
ID:
File **0000028529**
Number:
FRN: **0003720042** | Date **05/09**
Submitted: **/2018**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
ION MEDIA LICENSE COMPANY, LLC	Michael Hubner	+1 (212) 603-8407	MichaelHubner@ionmedia.com	Limited Liability Company
Doing Business As: ION MEDIA LICENSE COMPANY, LLC	810 Seventh Avenue 31st Floor New York, NY 10019 United States			

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 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
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	Ultimate
	Year	2003
	Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power Capacity	10 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	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**

Other Transmitter Costs

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

	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
	Type	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 leasehold 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 transmitters and equipment / Site Prep
RF Interconnect	Interconnect between RF System and transmission line

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	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 Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	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)	242.0 kW

Manufacturer	
Model	ATW19H3- HSPX-35S
Year	2009

Primary
Antenna

New Antenna Costs

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?	No
	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 Manufacturer and Types	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/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	

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

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	4 1/16 inches inches
Side Mount Brackets	Do you require the separate purchase of 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?	Yes

Primary Antenna	Other Antenna Cost Not Listed Information not provided.
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**Interim
Antenna**

New Antenna Costs

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 Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	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

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

Other Antenna Costs

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
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?	Yes

**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	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
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	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

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

**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?	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	1029604
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	25° 57' 31.0" N-
	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
72982	WHQT	FM
71418	WEDR	FM
13456	WPBT	DTV
40408	WFEZ	FM
72984	WFLC	FM

Primary Tower

Tower Modification Costs

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

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Candelabra

Helicopter Services Required	Are helicopter services required?	No
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**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?	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.

	Date Constructed	10/12/2001
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**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
29547	WSBS-CD	DTV
11965	WBGG-FM	FM
4366	WIMP-CD	DTV
67193	WMIB	FM
41381	WHYI-FM	FM
64971	WSCV	DTV
60536	WAMI-DT	DTV
51978	WMIA-FM	FM
51349	WBEC-TV	DTV
29567	WSFS	FM

**Primary
Tower**

Tower Rigging Costs

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

**Primary
Tower**

Other Tower Expenses Not Listed

Information not provided.

**Outside
Professional**

Section	Question	Response
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 Services	Prepare and file Form FCC Construction Permit Application	Yes
	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

Outside Professional Services Costs **Other Professional Services Expenses Not Listed**

Services provided.

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	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	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 THU9-8 EVO	\$638,750.00	\$551,700.00		\$495,851.95	
Removal of Existing Equipment	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$408,450.00	See attached Explanation of Request for Transmitters and Antenna Information Exhibit.	\$402,210.62	N/A
Other Electrical Service: Electrical Installation for replacement transmitter	<i>\$74,000.00</i>	\$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.	\$76,676.33	Actual cost of electrical installation greater than pre-determined estimate. Supporting documentation has been corrected and attached.

5 Ton system	\$20,250.00	\$19,250.00	N/A	\$16,965.00	N/A
RF Interconnect	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Sub-total	\$638,750.00	\$551,700.00	N/A	\$495,851.95	N/A
Total for all systems	\$3,339,490.00	\$1,565,796.00	N/A	\$899,182.39	N/A

Components

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

UHF - Liquid Cooled Solid
State Transmitter 8.2 - 13
kW

Component Description:

25% "down
payment" for
Rohde & Schwarz
transmitter. Cost
breakdown &
supporting
documentation
attached. This
invoice has been
paid.

Amount:

\$92,992.50

Component Description:

75% "remaining
balance" payment
of the Rohde &
Schwarz
Transmitter,
inclusive of taxes
incurred.
Supporting
documentation
attached.

Amount:

\$302,484.95

Component Description:

Cost of cable
management tray
to secure all
transmitter wiring.
Supporting
documentation
attached. This
invoice has been
paid.

Amount:

\$6,733.17

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.

Amount:

\$2,676.33

Component Description:

50% "final" payment for electrical installation. Supporting documentation corrected and attached. This invoice has been paid.

Amount:

\$37,000.00

Component Description:

50% "deposit" payment for electrical installation. Supporting documentation corrected and attached. This invoice has been paid.

Amount:

\$37,000.00

5 Ton system	Component Description: Cost of labor and materials to install one (10 ton) HVAC system. Supporting documentation attached. This invoice has been paid. Amount: \$16,965.00
RF Interconnect	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
Interim Antenna TFU-WB-8	\$105,700.00	\$83,593.00		\$10,781.10	
UHF - Lower Power Side Mount, One station antenna - medium power (50- 200 kW), horizontally polarized	\$89,400.00	\$70,000.00	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.	N/A	N/A
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	\$9,570.00	\$7,193.00	N/A	\$5,021.10	N/A

Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A
Primary Antenna TFU-18DSC /VP-R P230	\$250,910.00	\$100,408.00		\$75,429.45	
UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	\$103,100.00	\$0.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$2,880.00	N/A
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	\$9,570.00	\$9,100.00	N/A	\$4,138.20	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$18,888.00	N/A	\$7,391.25	N/A

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
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	\$356,610.00	\$184,001.00	N/A	\$86,210.55	N/A

Total for all systems	\$3,339,490.00	\$1,565,796.00	N/A	\$899,182.39	N/A
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Components

Actual Information Description	File Name
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Information not provided.
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	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:	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:	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

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
UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	Information not provided.
Sweep test of existing 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

Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	<table> <tr> <td data-bbox="708 98 1015 210">Component Description:</td><td data-bbox="1150 98 1378 763"> 45% "down 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. </td></tr> <tr> <td data-bbox="708 763 820 808">Amount:</td><td data-bbox="1150 763 1246 808">\$513.45</td></tr> </table>	Component Description:	45% "down 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.	Amount:	\$513.45
Component Description:	45% "down 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.				
Amount:	\$513.45				
	<table> <tr> <td data-bbox="708 898 1015 943">Component Description:</td><td data-bbox="1150 898 1347 1339"> 45% "down payment" for primary antenna elbow complex. Explanation of variance and supporting documentation attached. This invoice has been paid. </td></tr> <tr> <td data-bbox="708 1339 820 1384">Amount:</td><td data-bbox="1150 1339 1270 1384">\$3,624.75</td></tr> </table>	Component Description:	45% "down payment" for primary antenna elbow complex. Explanation of variance and supporting documentation attached. This invoice has been paid.	Amount:	\$3,624.75
Component Description:	45% "down payment" for primary antenna elbow complex. Explanation of variance and supporting documentation attached. This invoice has been paid.				
Amount:	\$3,624.75				
Side mount brackets for high power antennas (if not included in antenna base cost)	<table> <tr> <td data-bbox="708 1458 1015 1547">Component Description:</td><td data-bbox="1150 1458 1347 1989"> 45% "down payment" for primary antenna side mount brackets. Explanation of variance and supporting documentation attached. This invoice has been paid. </td></tr> <tr> <td data-bbox="708 1989 820 2033">Amount:</td><td data-bbox="1150 1989 1270 2033">\$7,391.25</td></tr> </table>	Component Description:	45% "down payment" for primary antenna side mount brackets. Explanation of variance and supporting documentation attached. This invoice has been paid.	Amount:	\$7,391.25
Component Description:	45% "down payment" for primary antenna side mount brackets. Explanation of variance and supporting documentation attached. This invoice has been paid.				
Amount:	\$7,391.25				

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
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

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	\$169,520.00	\$140,000.00		\$107,339.40	
Rigid Transmission Line - copper, 4 1 /16" broadband	\$169,520.00	\$140,000.00	N/A	\$107,339.40	N/A
Sub-total	\$169,520.00	\$140,000.00	N/A	\$107,339.40	N/A
Total for all systems	\$3,339,490.00	\$1,565,796.00	N/A	\$899,182.39	N/A

Components

Actual Information	
Description	File Name

Rigid Transmission Line -
copper, 4 1/16" broadband

Component Description:

45% "prior to ship"
payment for
primary
transmission line.
Supporting
documentation
attached. This
invoice has been
paid.

Amount:

\$53,669.70

Component Description:

45% "down
payment" for
primary
transmission line.
Supporting
documentation
attached. This
invoice has been
paid.

Amount:

\$53,669.70

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 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	N/A	N/A	N/A
Primary Tower GTOWER	\$1,485,600.00	\$447,000.00		\$201,350.00	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$400,000.00	See Shared Equipment Exhibit for more information.	\$201,350.00	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

Serious tower reinforcement /modifications	\$1,052,000.00	\$35,000.00	See the attached Shared Equipment and Explanation of Request for Tower Expense Information Exhibits.	N/A	N/A
Sub-total	\$1,906,600.00	\$447,000.00	N/A	\$201,350.00	N/A
Total for all systems	\$3,339,490.00	\$1,565,796.00	N/A	\$899,182.39	N/A

Components

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)	<table> <tr> <td data-bbox="710 168 1013 212">Component Description:</td><td data-bbox="1149 168 1380 481">10% "deposit" for tower service. Cost breakdown and supporting documentation attached. This invoice has been paid.</td></tr> <tr> <td data-bbox="710 492 821 537">Amount:</td><td data-bbox="1149 492 1284 537">\$20,135.00</td></tr> <tr> <td data-bbox="710 627 1013 672">Component Description:</td><td data-bbox="1149 627 1380 974">25% "after install" payment for tower service. Cost breakdown and supporting documentation attached. This invoice has been paid.</td></tr> <tr> <td data-bbox="710 985 821 1030">Amount:</td><td data-bbox="1149 985 1284 1030">\$50,337.50</td></tr> <tr> <td data-bbox="710 1131 1013 1176">Component Description:</td><td data-bbox="1149 1131 1380 1478">65% "mobilization" payment for tower service. Cost breakdown and supporting documentation attached. This invoice has been paid.</td></tr> <tr> <td data-bbox="710 1489 821 1534">Amount:</td><td data-bbox="1149 1489 1300 1534">\$130,877.50</td></tr> </table>	Component Description:	10% "deposit" for tower service. Cost breakdown and supporting documentation attached. This invoice has been paid.	Amount:	\$20,135.00	Component Description:	25% "after install" payment for tower service. Cost breakdown and supporting documentation attached. This invoice has been paid.	Amount:	\$50,337.50	Component Description:	65% "mobilization" payment for tower service. Cost breakdown and supporting documentation attached. This invoice has been paid.	Amount:	\$130,877.50
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Amount:	\$50,337.50												
Component Description:	65% "mobilization" payment for tower service. Cost breakdown and supporting documentation attached. This invoice has been paid.												
Amount:	\$130,877.50												
Structural engineering tower load study for well documented tower	Information not provided.												
Serious tower reinforcement /modifications	Information not provided.												

Cost
Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
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 line item. ION is only requesting reimbursement for invoice dated 5/1/2018.
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
Project management of the transition	\$28,440.00	\$18,530.00	See AT Exhibit for more information.	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	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
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$437.50	N/A
Sub-total	\$179,130.00	\$161,280.00	N/A	\$8,430.49	N/A
Total for all systems	\$3,339,490.00	\$1,565,796.00	N/A	\$899,182.39	N/A

Components

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.

Attorney Fees -Prepare and 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 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. Amount: \$4,742.99	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. Amount: \$4,742.99

	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
Prepare request for Special Temporary Authorization	Component Description: Cost of engineering consultant work for special temporary authority request. Hourly supporting documentation attached. This invoice has been paid. Amount: \$1,000.00 Component Description: Cost of engineering consultant work on special temporary authority request revision. Hourly supporting documentation attached. This invoice has been paid. Amount: \$250.00

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. Hourly supporting documentation attached. This invoice has been paid. Amount: \$2,000.00
Project management of the transition	Information not provided.
Prepare and or review reimbursement form	Information not provided.
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.

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.

Amount:

\$125.00

Component Description:

Cost of
engineering
consultant work for
new channel
assignment and
antenna
development.
Hourly supporting
documentation
attached. This
invoice has been
paid.

Amount:

\$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.

Amount:

\$250.00

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	\$88,880.00	\$81,815.00		\$0.00	
MVPD Notification of Channel Change	<i>\$1,800.00</i>	\$1,800.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$0.00</i>	\$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	<i>\$10,000.00</i>	\$10,000.00	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
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Local Zoning	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
Non-zoning permits	<i>\$15,000.00</i>	\$15,000.00	N/A	N/A	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
Equipment Delivery and Handling Charges	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Sub-total	\$88,880.00	\$81,815.00	N/A	\$0.00	N/A
Total for all systems	\$3,339,490.00	\$1,565,796.00	N/A	\$899,182.39	N/A

Components

Information not provided.

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$3,339,490.00	\$1,565,796.00	\$899,182.39

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 <i>Vice President - Finance, Operations</i> 05/09/2018

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 IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		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 <i>Vice President - Finance, Operations</i> 05/09/2018

Attachments