

(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility Channel: 24 (UHF) Service: DTV Call **WPXD-TV** Sign:

ID:

File 0000028400

Number:

FRN: 0030297451 Date 07/30

> Submitted: /2019

#### **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	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** 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	Operate from current auxiliary antenna and transmitter while primary antenna is replaced and the transmitter is re-tuned for post repack channel. Once operational on main system, replace auxiliary antenna and re-tune transmitter to post repack channel.

# Transmitters

rs	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	Retune Existing
	Use	Auxiliary (Backup)
	Ownership	Owned
	Owner	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	Rohde and Schwarz
	Model	NV-8000

Year	2009
Туре	Solid State
Solid State Cooling	Liquid Cooled
Solid State Power capacity	7 kW

# Auxiliary Transmitter

# **Retuning Transmitter Costs**

Section	Question	Response
New IOT Tubes	Number of Tubes (including accessories) needed	N/A
New Mask Filter	Power	7 kW
	Other Power	N/A
New Exciter	Is a new exciter needed?	No

# Auxiliary 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	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A

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

# Auxiliary Transmitter

## **Other Transmitter Cost Not Listed**

Name	Description
RF Interconnect	Interconnect between RF System and transmission line

# 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	
Manufacturer and Type	Model	Paragon
	Year	2012
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 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	THU9-12 EVO 19 kW ATSC
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	19 kW
	Justification for New Transmitter	Transmitter replacement is more cost effective than re-tune of Paragon transmitter.

# 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?	No
	Туре	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** 

Transmitter Information not provided.

#### **Antennas**

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

## **Add Antenna Information**

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	Auxiliary Backup
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this antenna currently shared with any other stations?	No
	Is this antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side 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)	128.0 kW

Manufacturer	
Model	TFU-8DSB- R C-160
Year	2012

## **New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Auxiliary (Backup)
	Description of Use	Auxiliary Backup
	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?	No
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)	49.5 kW
	Manufacturer	
		,

Model	ATW7H4- ESCX-24L
Year	2019
Justification for New Antenna	Current slot antenna cannot be re- channeled. ION does not share the antenna with any other broadcasters at this location.

## **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	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	3 1/8 inches inches
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

# **Other Antenna Cost Not Listed**

Information not provided.

# **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?	No
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	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)	345.0 kW

Manufacturer	
Model	TFU-16DSB /VP-R C160
Year	2012

## **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?	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?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Top 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)	370.0 kW
	Manufacturer	

Model	ATW25H2- ETCX-24H
Year	2019
Justification for New Antenna	Current slot antenna cannot be re- channeled. ION does not share the antenna with any other broadcasters at this location.

#### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	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	6 1/8 inches inches
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

# **Other Antenna Cost Not Listed**

Information not provided.

Transmission <sup>Seffien</sup>	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

# **Add Transmission Line**

# Auxiliary Add Tra

Existing Transmission

n Line Settion	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Auxiliary backup
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmission currently shared with any other stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Туре	Rigid
	Diameter	4 1/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1064 feet per run

## **New Transmission Line**

# Auxiliary Transmission Line

New Transmission Line
Costs

Question	Response
Use	Auxiliary (Backup)
Description of Use	Auxiliary Backup
Change Type	Purchase New
Is this a request for upgraded equipment?	No
Туре	Rigid
Diameter	3 1/8 inches
Other Diameter	N/A
Segment Length	20 inches
Other Segment Length	N/A
Number of parallel runs	1
Length	1000 feet per run
Justification for New Transmission Line	ION does not share the transmission line with any other broadcasters at this location.

## Auxiliary Transmis

# Other Transmission Line Expenses Not Listed

Transmission Line		Description	
	Sweep existing transmission line	Sweep existing transmission line	

# Primary Transmission Line

# **Existing Transmission Line**

on 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	
	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1124 feet per run

## **New Transmission Line**

# Primary 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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1110 feet per run
	Justification for New Transmission Line	See attached Transmission Line Exhibit. ION does not share the transmission line with any other broadcasters at this

# Other Transmission Line Expenses Not Listed

Primary	O tilloi	Transmission	 LAPOI
Transmission	n.Line		

on Line	Description
Sweep existing transmission line	Sweep existing transmission line

location.

# 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

# **Existing Tower**

	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	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1007996
Coordinates (NAD83 (	Latitude (NAD83)	42° 29' 01.0" N-
North American Datum of 1983))	Longitude (NAD83)	083° 18' 44.0" W-
	Overall Structure Height	1052.81 feet
	Support Structure Height	998.35 feet
	Ground Elevation Above Mean Sea Level (AMSL)	697.17 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	American Tower, LLC
Date Constructed	01/01/1968

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
51570	WKBD-TV	DTV
68444	WDWO-CD	DTV

#### Primary Tower

#### **Tower Modification Costs**

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for undocumented /poorly 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	Are helicopter services required?	No
Required		

# Primary Tower

# **Other Tower Expenses Not Listed**

Name	Description
Auxiliary antenna installation	Removal and installation of auxiliary antenna after commencement of operation on new main antenna

# 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	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	Prepare and file Form FCC Construction Permit Application	Yes
Services	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 Expenses Not Listed
Professional Services ©qstsided.

# 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 Not Listed

**Expenses** 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
Primary Transmitter THU9-12 EVO 19 kW ATSC	\$709,000.00	\$483,424.56		\$129,742.80	
Other Electrical Service: Electrical installation for replacement transmitter.	\$25,000.00	\$25,000.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$458,424.56	Cost of main transmitter. Please see attached Rohde & Schwarz Quote #155775.0 (Main Transmitter). Estimate also includes \$25,948.56 of sales tax.	\$129,742.80	N/A
Auxiliary Transmitter NV-8000	\$136,410.00	\$130,900.00		\$0.00	
RF Interconnect	\$25,000.00	\$25,000.00	N/A	N/A	N/A
7 kW mask filter	\$6,210.00	\$5,900.00	N/A	N/A	N/A

UHF and VHF - minor banding issues	\$105,200.00	\$100,000.00	N/A	N/A	N/A
Sub-total	\$845,410.00	\$614,324.56	N/A	\$129,742.80	N/A
Total for all systems	\$3,503,810.19	\$3,016,217.90	N/A	\$537,737.17	N/A

# Components

Actual Information Description	File Name	
Other Electrical Service: Electrical installation for replacement transmitter.	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	Component Description:  Amount:	30% "downpayment" for main transmitter. Supporting documentation is attached. This invoice has been paid. \$129,742.80
RF Interconnect	Information not provided.	
7 kW mask filter	Information not provided.	
UHF and VHF - minor banding issues	Information not provided.	

# **Cost Information**

#### **Antennas**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna ATW25H2- ETCX-24H	\$308,530.00	\$218,451.01		\$126,038.08	
Sweep test of existing antenna	\$6,730.00	\$6,625.00	Cost of repack sweep. Please see attached Electronics Research, Inc. Main Antenna Quote #20180820- 021 Rev D.	\$3,971.74	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,419.16	Cost of elbow complex for primary antenna. Please see Electronics Research, Inc. Main Antenna Quote 20180820-021 Rev D.	\$6,246.36	N/A

UHF - High Power Top Mount (200- 1000 kW), One station antenna, elliptically or circularly polarized	\$289,500.00	\$201,406.85	Cost of new top mounted main antenna and dehydrator. V-Pol cost not included in reimbursement request. Please see attached Electronics Research, Inc. Main Antenna Quote #20180820-	\$115,819.98	N/A
Auxiliary Antenna ATW7H4-	\$107,395.19	\$102,971.95	021 Rev D.	\$61,655.14	
Sweep test of existing antenna	\$6,730.00	\$6,625.00	Cost of repack sweep of auxiliary antenna. Please see attached Electronics Research, Inc. Aux Antenna Quote #20190506-	\$3,966.76	N/A

# Components

Actual Information	
Description	File Name

Sweep test of existing		
antenna	Component Description:	30% "payment with order" for repack sweep of primary antenna operations.  Explanation of Variance and supporting documentation attached.
	Amount:	\$1,985.87
	Component Description:	30% "payment 30 days ARO" for repack sweep of primary antenna operations. Supporting documentation attached.
	Amount:	\$1,985.87
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description:	30% "payment with order" for primary elbow complex.
		Explanation of Variance and supporting documentation attached.
	Amount:	\$3,123.18
	Component Description:	30% "payment 30 days ARO" for primary elbow
		complex. Supporting documentation
		documentation

**Amount:** 

attached.

\$3,123.18

UHF - High Power Top Mount (200-1000 kW), One station antenna, elliptically or circularly polarized

Component Description: 30% "payment with

order" for primary

antenna.

Explanation of Variance and supporting documentation attached.

allacheu.

**Amount:** \$53,093.24

Component Description: 30% "payment with

order" for dehydrator for primary antenna.

Explanation of variance and supporting documentation

attached.

**Amount:** \$2,354.27

Component Description: 30% "payment 30

days ARO" for primary antenna. Supporting

documentation

attached.

**Amount:** \$58,018.20

**Component Description:** 30% "payment 30

days ARO" for dehydrator for primary antenna. Supporting documentation attached.

**Amount:** \$2,354.27

Sweep test	of existing
antenna	

Component Description: 30% "payment with

order" for repack sweep of auxiliary

antenna operations.

Explanation of Variance and supporting

documentation

Amount: attached. \$1,983.38

Component Description: 30% "payment 30

days ARO" for repack sweep of auxiliary antenna

operations.

Explanation of Variance and supporting documentation

attached. \$1,983.38

Amount:

UHF - High Power, Side Mount, basic slot antenna, 50 kW input, directional,, elliptically or circularly polarized

Component Description: 30% "payment with

order" for dehydrator for auxiliary antenna. Explanation of variance and supporting documentation

attached.

**Amount:** \$1,494.62

**Component Description:** 30% "payment with

order" for auxiliary antenna and

mounts.

Explanation of Variance and supporting documentation attached.

**Amount:** \$26,367.08

**Component Description:** 30% "payment 30

days ARO" for dehydrator for auxiliary antenna. Explanation of variance and supporting documentation attached.

**Amount:** \$1,494.62

Component Description: 30% "payment 30

days ARO" for auxiliary antenna and mounts. Explanation of Variance and supporting documentation attached.

**Amount:** \$26,367.08

Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)

Component Description: 30% "payment with

order" for auxiliary elbow complex. Explanation of Variance and supporting documentation attached.

**Amount:** \$982.49

**Component Description:** 30% "payment 30

days ARO" for auxiliary elbow

complex.

Explanation of Variance and supporting documentation attached.

**Amount:** \$982.49

### **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	\$230,620.00	\$190,075.10		\$112,514.62	
Rigid Transmission Line - copper, 6 1/8"	\$224,220.00	\$183,675.10	Cost of primary transmission line. Please see attached Electronics Research, Inc. Main Antenna Quote #20180820-021 Rev D.	\$110,114.62	N/A
Sweep existing transmission line	\$6,400.00	\$6,400.00	N/A	\$2,400.00	N/A
Auxiliary Transmission Line	\$110,400.00	\$70,450.28		\$40,750.54	
Rigid Transmission Line - copper, 3 1/8"	\$104,000.00	\$64,050.28	Cost of transmission line for auxiliary antenna. Please see attached Electronics Research, Inc. Aux Antenna Quote #20190506-447.	\$38,350.54	N/A

Sweep existing transmission line	\$6,400.00	\$6,400.00	N/A	\$2,400.00	N/A
Sub-total	\$341,020.00	\$260,525.38	N/A	\$153,265.16	N/A
Total for all systems	\$3,503,810.19	\$3,016,217.90	N/A	\$537,737.17	N/A

### Components

Actual Information Description	File Name	
Rigid Transmission Line - copper, 6 1/8"	Component Description:	30% "payment with
	Component Description.	order" for primary
		transmission line.
		Explanation of variance and
		supporting
		documentation
		attached.
	Amount:	\$55,057.31
	Component Description:	30% "payment 30
		days ARO" for
		primary
		transmission line.
		Supporting documentation
		attached.
	Amount:	\$55,057.31

Sweep existing transmission line		
	Component Description:	Cost to sweep
		current existing
		primary
		transmission line.
		Supporting
		documentation
		attached. This
		invoice has been
		paid.
	Amount:	\$2,400.00
Rigid Transmission Line -		
copper, 3 1/8"	Component Description:	30% "payment with
	· ·	order" for auxiliary
		transmission line.
		Explanation of
		variance and
		supporting
		documentation
		attached.
	Amount:	\$19,175.27
	7	ψ10,110.Z1
	Component Description:	30% "payment 30
		days ARO" for
		auxiliary
		transmission line.
		Explanation of
		variance and
		supporting
		documentation
		attached.
	Amount:	\$19,175.27

Sweep existing		
transmission line	Component Description:	Cost to sweep
		current existing
		auxiliary
		transmission line.
		Supporting
		documentation
		attached. This
		invoice has been
		paid.
	Amount:	\$2,400.00

### **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	\$1,609,300.00	\$1,554,350.00		\$58,418.00	
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$44,350.00	See AT Exhibits for more information.	\$31,850.00	N/A
Auxiliary antenna installation	\$110,000.00	\$110,000.00	N/A	N/A	N/A
Serious tower reinforcement /modifications	\$1,052,000.00	\$1,000,000.00	See AT Exhibit for more information.	N/A	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$400,000.00	See AT Exhibit for more information.	\$26,568.00	N/A
Sub-total	\$1,609,300.00	\$1,554,350.00	N/A	\$58,418.00	N/A
Total for all systems	\$3,503,810.19	\$3,016,217.90	N/A	\$537,737.17	N/A

### Components

Description	File Name	
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Component Description:  Amount:	Cost of broadcast tower mapping. Supporting documentation is attached. This invoice has been paid. \$8,266.67
		<b>V</b> 1, 11 1
	Component Description:	Cost of structural analysis. Supporting documentation is attached. This invoice has been paid.
	Amount:	\$2,500.00
	Component Description:	Cost of broadcast structural analysis Supporting documentation is attached. This invoice has been paid.
	Amount:	\$6,333.33
	Component Description:	Cost of broadcast structural analysis Supporting documentation is attached. This invoice has been paid.
	Amount:	\$14,750.00
Auxiliary antenna installation	Information not provided.	
Serious tower reinforcement /modifications	Information not provided.	

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)

Component Description: 50% "deposit with

order" for tower data collection. Supporting documentation is

attached. This invoice has been

paid.

**Amount:** \$6,568.00

Component Description: Down payment

associated with securing tower service. Note that amount is not

additional to cost of tower rigging and will be deducted from total cost of tower rigging at the time it is quoted. Supporting documentation attached. This invoice has been

paid.

**Amount:** \$20,000.00

### **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	\$203,275.00	\$183,780.00		\$8,617.99	
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	\$2,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	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

NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	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 - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$4,742.99	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	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	\$1,500.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,250.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$125.00	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
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 Exhibits for more information.	N/A	N/A
Sub-total	\$203,275.00	\$183,780.00	N/A	\$8,617.99	N/A
Total for all systems	\$3,503,810.19	\$3,016,217.90	N/A	\$537,737.17	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.
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.
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	Information not provided.
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:	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
	Amount:	documentation. \$4,837.97
	Component Description:  Amount:	Invoice for WPXD'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. \$4,742.99
Prepare request for Special Temporary Authorization	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application

**Component Description:** 

of engineering part of FCC Form 2100

Cost of preparation

for Auxiliary
Antenna. Hourly
supporting
documentation
attached. This
invoice has been

paid.

**Amount:** \$1,500.00

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application

Component Description: C

Cost of preparation of engineering part of FCC Form 2100

for Primary
Antenna. Hourly
supporting
documentation
attached. This
invoice has been

paid.

**Amount:** \$2,250.00

for new channel		0 : 1==
assignment and antenna	Component Description:	Cost of RF
development		consultant work fo
		new channel
		assignment and
		antenna
		development.
		Hourly supporting
		documentation
		attached. This
		invoice has been
		paid.
	Amount:	\$62.50
	Component Description:	Cost of RF
		consultant work fo
		new channel
		assignment and
		antenna
		development.
		Hourly supporting
		documentation
		attached. This
		invoice has been
		paid.
	Amount:	\$62.50
Address transition timing	Information not provided.	
and coordination issues w/		
other stations and wireless  Prepare and or review reimbursement form	Information not provided.	

### **Cost Information**

#### **Other Expenses**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost
Other Expenses	\$88,880.00	\$81,815.00		\$0.00	
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	\$10,000.00	\$10,000.00	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
Non-zoning permits	\$15,000.00	\$15,000.00	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

FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$4,500.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$1,800.00	\$1,800.00	N/A	N/A	N/A
Sub-total	\$88,880.00	\$81,815.00	N/A	\$0.00	N/A
Total for all systems	\$3,503,810.19	\$3,016,217.90	N/A	\$537,737.17	N/A

### Components

Information not provided.

## Cost Information

#### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,503,810.19	\$3,016,217.90	\$537,737.17

Reimbursem	entestiatus	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

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 abovenamed applicant for the Authorization(s) specified above.

### Mario Vasquez

Vice President -Finance, Operations

07/30/2019

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.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- 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 abovenamed applicant for the Authorization(s) specified above. Mario Vasquez Vice President -Finance, Operations

07/30/2019

#### **Attachments**