



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **67602** | Service: **DTV** | Call **WOPX-TV** | Channel: **14 (UHF)** |
ID:
File **0000028668**
Number:
FRN: **0001808468** | Date **04/02**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
ION MEDIA ORLANDO LICENSE, INC.	Bianca Frye 601 Clearwater Park Road West Palm Beach, FL 33401 United States	+1 (561) 682- 4110	BiancaFrye@ionmedia. com	Corporation

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
The Preparer is same as the reimbursement contact.			

Broadcaster Information and Transition Plan

Question	Response
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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 ASR #1038158 to ASR #1206874. Replace non-retunable transmitter, install side mounted antenna and transmission line to operate on post-repack channel.

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	Millenium
	Year	2002
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	40 kW

**Primary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	THU9-16 EVO
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	25.5 kW
	Justification for New Transmitter	See attached Transmitter Exhibits. See attached Transmitter Upgrade Disclaimer.

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	No
	Size	N/A

	Length	N/A
	Other Electrical Service	No
	Description	N/A
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	10

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?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side 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)	1000.0 kW

Manufacturer	
Model	TFU-30DSC-R C170
Year	2002

**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?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	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)	419.0 kW
	Manufacturer	

Model	TFU-24DSC-R C170
Year	2019
Justification for New Antenna	See attached Antenna and Supplemental Antenna Exhibits.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	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	6 1/8 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?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary
Antenna**

Other Antenna Cost Not Listed

Name	Description
Support Pole	Top mount support pole and antenna mounting brackets.
Input Complex	Includes the necessary line sections, hangers, elbows, and engineering design to get the line from inside the tower up through the support pole to the antenna input.

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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1530 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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1580 feet per run
	Justification for New Transmission Line	See attached Antenna Exhibit

Primary
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Sweep existing transmission line	Sweep existing transmission line

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	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1206874
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	28° 16' 45.3" N-
	Longitude (NAD83)	081° 01' 24.0" W-
	Overall Structure Height	1873.66 feet
	Support Structure Height	1870.71 feet
	Ground Elevation Above Mean Sea Level (AMSL)	74.47 feet

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	IWG Towers Assets II, LLC
	Date Constructed	04/17/2000

**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
72076	WFTV	DTV

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:	Minor Reinforcements needed

Primary Tower

Tower Rigging Costs

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

Primary
Tower

Other Tower Expenses Not Listed

Name	Description
Structural analysis	Structural analysis

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?	
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	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	1038158
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	28° 05' 52.5" N-
	Longitude (NAD83)	081° 07' 50.7" W-
	Overall Structure Height	1544.93 feet
	Support Structure Height	1501.95 feet
	Ground Elevation Above Mean Sea Level (AMSL)	82.02 feet
	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
	Tower Owner	SpectraSite Communications, LLC. through American Towers, LLC.

	Date Constructed	12/15/1997
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**Primary
Tower**

Tower Rigging Costs

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

**Primary
Tower**

Other Tower Expenses Not Listed

Name	Description
Structural Analysis	Structural analysis

**Outside
Professional Services Costs**

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

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

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	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses	Other Expenses Not Listed
	Information not provided.

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter THU9-16 EVO	\$1,311,910.00	\$1,021,948.74		\$668,339.79	
RF Interconnect	<i>\$25,000.00</i>	\$25,000.00	N/A	\$11,839.69	N/A
Removal of existing equipment	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
Additional field engineering time, 10-30 days	\$63,100.00	\$60,000.00	N/A	\$21,432.50	N/A
Channel 14 Mask Filter	\$189,500.00	\$180,000.00	N/A	N/A	N/A
5 Ton system	\$20,250.00	\$19,250.00	N/A	N/A	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$41,650.50	See attached Florida Electrical Solutions Quote #1.1	\$14,577.68	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$666,048.24	See attached Rohde and Schwarz transmitter quote.	\$616,614.92	N/A

RF Consulting Engineer	\$5,260.00	\$5,000.00	N/A	\$3,875.00	Estimated Cost based on Pre-determined Cost Estimate. Actual Costs greater than Estimated Costs.
Sub-total	\$1,311,910.00	\$1,021,948.74	N/A	\$668,339.79	N/A
Total for all systems	\$3,315,145.00	\$2,864,422.85	N/A	\$1,672,249.22	N/A

Components

Actual Information	
Description	File Name
RF Interconnect	<p>Component Description: Cost of additional cable needed for RF interconnect. Supporting documentation is attached.</p> <p>Amount: \$1,299.30</p> <p>Component Description: Cost of equipment needed for RF interconnect. Supporting documentation is attached.</p> <p>Amount: \$10,540.39</p>
Removal of existing equipment	Information not provided.

Additional field engineering time, 10-30 days	<p>Component Description:</p> <p>Cost of full site survey and drawings for transmitter installation. Supporting documentation is attached.</p> <p>Amount:</p> <p>\$21,432.50</p>
Channel 14 Mask Filter	Information not provided.
5 Ton system	Information not provided.
Transformer 3 phase/480v - 300 KVA	<p>Component Description:</p> <p>35% "deposit" for electrical installation of transmitter. Supporting documentation is attached.</p> <p>Amount:</p> <p>\$14,577.68</p>
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	<p>Component Description:</p> <p>Final payment upon proof of performance (less \$1,000 deposit) for Rohde & Schwarz transmitter. Supporting documentation attached.</p> <p>Amount:</p> <p>\$211,072.52</p> <p>Component Description:</p> <p>Cost of frame to stack heat exchangers. Supporting documentation is attached.</p> <p>Amount:</p> <p>\$2,620.85</p>

Component Description:	3rd "milestone" 35% payment on Rohde & Schwarz transmitter. Explanation of variance and supporting documentation attached. This invoice has been paid.
Amount:	\$216,381.60

Component Description:	"Deposit" payment on Rohde & Schwarz transmitter. Supporting documentation attached. This invoice has been paid.
Amount:	\$1,070.00

Component Description:	2nd "milestone" 30% payment on Rohde & Schwarz transmitter. Supporting documentation attached. This invoice has been paid.
Amount:	\$185,469.95

Component Description:

RF Consulting Engineering for channel search for alternate UHF channel options for Channel 14 reassignment. Hourly supporting documentation attached. This invoice has been paid.

Amount:

\$1,875.00

Component Description:

RF Consulting Engineering to determine correct mask filter to avoid interference for Channel 14 reassignment. Hourly supporting documentation attached. This invoice has been paid.

Amount:

\$5,000.00

Component Description:

RF Consulting Engineering to determine correct mask filter to avoid interference for Channel 14 reassignment. Hourly supporting documentation attached. This invoice has been paid.

Amount:

\$2,000.00

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna TFU-24DSC-R C170	\$369,465.00	\$332,612.16		\$194,187.16	
Input Complex	<i>\$19,622.00</i>	\$19,622.00	N/A	N/A	N/A
Support Pole	<i>\$118,163.00</i>	\$118,163.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$21,750.00	N/A	\$21,750.00	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$13,859.50	Please see Dielectric quote #DMS112-4, Dielectric Quote #1930637, and Dielectric Quote #1930633	\$13,859.50	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A

UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$152,817.66	Please see attached Dielectric Quote #DMS112- 4 and Dielectric Quote #1930620.	\$152,817.66	N/A
Sub-total	\$369,465.00	\$332,612.16	N/A	\$194,187.16	N/A
Total for all systems	\$3,315,145.00	\$2,864,422.85	N/A	\$1,672,249.22	N/A

Components

Actual Information	
Description	File Name
Input Complex	Information not provided.
Support Pole	Information not provided.

Side mount brackets for high power antennas (if not included in antenna base cost)	<div> <div>Component Description:</div> <div>65% "prior to shipment" payment for antenna mounting brackets. Supporting documentation is attached.</div> </div> <div> <div>Amount:</div> <div>\$14,137.50</div> </div>
	<div> <div>Component Description:</div> <div>25% "with order" payment for antenna mounting brackets. Supporting documentation is attached.</div> </div> <div> <div>Amount:</div> <div>\$5,437.50</div> </div>
	<div> <div>Component Description:</div> <div>10% "balance after sweep" payment for antenna mounting brackets. Supporting documentation is attached. This invoice has been paid.</div> </div> <div> <div>Amount:</div> <div>\$2,175.00</div> </div>
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	<div> <div>Component Description:</div> <div>Cost of additional equipment for elbow complex. Supporting documentation is attached.</div> </div> <div> <div>Amount:</div> <div>\$1,462.50</div> </div>

Component Description:	65% "prior to shipment" payment for primary elbow complex kit. Supporting documentation is attached.
Amount:	\$6,961.50

Component Description:	10% "balance after sweep" payment for primary elbow complex kit. Supporting documentation is attached. This invoice has been paid.
Amount:	\$1,071.00

Component Description:	25% "with order" payment for primary elbow complex kit. Supporting documentation is attached.
Amount:	\$2,677.50

Component Description:	Cost of additional equipment for elbow complex. Supporting documentation is attached.
Amount:	\$1,687.00

Sweep test of existing antenna

Component Description:

65% "prior to shipment" payment for primary repack sweep operations. Supporting documentation is attached.

Amount:

\$4,160.00

Component Description:

25% "with order" payment for primary repack sweep operations. Supporting documentation is attached.

Amount:

\$1,600.00

UHF - Lower Power Side
Mount, One station - 200-
500 kW, horizontally
polarized

Component Description:

65% "prior to
shipment" payment
for primary
antenna.
Supporting
documentation is
attached.

Amount:

\$97,938.75

Component Description:

Cost of antenna
radome covers.
Supporting
documentation is
attached.

Amount:

\$2,142.66

Component Description:

25% "with order"
payment for
primary antenna.
Supporting
documentation is
attached.

Amount:

\$37,668.75

Component Description:

10% "balance after
sweep" payment
for primary
antenna.
Supporting
documentation is
attached. This
invoice has been
paid.

Amount:

\$15,067.50

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	\$325,560.00	\$285,501.20		\$277,479.32	
Rigid Transmission Line - copper, 6 1/8"	\$319,160.00	\$279,101.20	Please see attached Dielectric Quote #DMS112-4, Dielectric Quote #1930558, and Dielectric Change Order Dated 3-2-2019.	\$277,479.32	N/A
Sweep existing transmission line	\$6,400.00	\$6,400.00	N/A	N/A	N/A
Sub-total	\$325,560.00	\$285,501.20	N/A	\$277,479.32	N/A
Total for all systems	\$3,315,145.00	\$2,864,422.85	N/A	\$1,672,249.22	N/A

Components

Actual Information Description	File Name
Rigid Transmission Line - copper, 6 1/8"	

Component Description:	Cost of additional cut pieces of transmission line. Supporting documentation and justification of expedited freight attached. This invoice has been paid.
Amount:	\$6,675.90

Component Description:	65% "prior to shipment" payment for primary transmission line and transmission line cut pieces. Supporting documentation is attached.
Amount:	\$176,692.43

Component Description:	10% "balance after sweep" payment for primary transmission line and transmission line cut pieces. Supporting documentation is attached. This invoice has been paid.
Amount:	\$26,152.36

	<p>Component Description:</p> <p>25% "with order" payment for primary transmission line and transmission line cut pieces. Supporting documentation is attached.</p> <p>Amount:</p> <p>\$67,958.63</p>
Sweep existing transmission line	Information not provided.

Cost Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower GTOWER	\$635,170.00	\$408,588.75		\$23,670.00	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$150,000.00	N/A	N/A	N/A
Structural Analysis	\$3,670.00	\$3,670.00	Cost of structural analysis. Please see InSite Towers, LLC Quote #FL962 St Cloud - ION Media Orlando" attached.	\$3,670.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$254,918.75	***System Notice: Estimate adjusted and locked because line has been superseded. ***Proposed cost of tower services. Please see Worldwide Communications Quote #S-19-938.	\$20,000.00	N/A
Primary Tower TOWER	\$393,600.00	\$562,307.00		\$500,307.00	

Minor tower reinforcement /modifications	\$158,000.00	\$100,000.00	N/A	\$60,000.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,300.00	N/A	N/A	N/A
Tall Tower (greater than 500')	\$210,500.00	\$437,507.00	Cost for tower services. Please see Worldwide Communications Quotes #S-19-938, #S-19-992, #S-19-1008. Estimate does not include \$20,000 deposit submitted and approved on the cost element of the other tower. Plus weather delay costs	\$437,507.00	N/A
Structural analysis	\$12,500.00	\$12,500.00	N/A	\$2,800.00	N/A
Sub-total	\$1,028,770.00	\$970,895.75	N/A	\$523,977.00	N/A
Total for all systems	\$3,315,145.00	\$2,864,422.85	N/A	\$1,672,249.22	N/A

Components

Actual Information	
Description	File Name
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.

Structural Analysis	<div> <div> Component Description: </div> <div> Cost for structural analysis and intermodulation study. Supporting documentation is attached. This invoice has been paid. </div> </div> <div> Amount: </div> <div> \$3,670.00 </div>
Tall Tower (greater than 500')	<div> <div> Component Description: </div> <div> 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. </div> </div> <div> Amount: </div> <div> \$20,000.00 </div> <div> <div> Component Description: </div> <div> Please reject this invoice. It has been submitted on the wrong tower. </div> </div> <div> Amount: </div> <div> \$234,918.75 </div>

Minor tower reinforcement /modifications	<p>Component Description:</p> <p>Cost of new horizontals to support spring hangers. Supporting documentation is attached. This invoice has been paid.</p> <p>Amount:</p> <p>\$60,000.00</p>
Structural engineering tower load study for well documented tower	Information not provided.
Tall Tower (greater than 500')	<p>Component Description:</p> <p>75% "deposit" for tower service. Supporting documentation attached. This invoice has been paid.</p> <p>Amount:</p> <p>\$234,918.75</p> <p>Component Description:</p> <p>Cost of weather delays during tower services. Supporting documentation is attached. This invoice has been paid.</p> <p>Amount:</p> <p>\$13,650.00</p> <p>Component Description:</p> <p>Cost of weather delays during tower services. Supporting documentation is attached. This invoice has been paid.</p> <p>Amount:</p> <p>\$12,350.00</p>

Component Description:	Cost of weather delays during tower services. Supporting documentation is attached. This invoice has been paid.
Amount:	\$18,200.00

Component Description:	Cost of weather delays during tower services. Supporting documentation is attached. This invoice has been paid.
Amount:	\$18,200.00

Component Description:	Cost for remobilization of a six man crew. Supporting documentation is attached. This invoice has been paid.
Amount:	\$35,307.00

Component Description:	25% "balance" for tower service. Supporting documentation attached.
Amount:	\$58,306.25

	<div data-bbox="707 159 1011 188" data-label="Section-Header">Component Description:</div> <div data-bbox="1147 159 1366 667" data-label="Text"> <p>Cost to supply and install horizontal bridge for transmission line and install transmission line from tower to transmitter. Supporting documentation is attached. This invoice has been paid.</p> </div> <div data-bbox="707 678 815 707" data-label="Text">Amount:</div> <div data-bbox="1147 678 1279 707" data-label="Text">\$34,225.00</div>
Structural analysis	<div data-bbox="707 819 1011 848" data-label="Section-Header">Component Description:</div> <div data-bbox="1147 819 1375 1124" data-label="Text"> <p>Cost of weather delays during tower services. Supporting documentation is attached. This invoice has been paid.</p> </div> <div data-bbox="707 1135 815 1164" data-label="Text">Amount:</div> <div data-bbox="1147 1135 1279 1164" data-label="Text">\$12,350.00</div>
	<div data-bbox="707 1310 1011 1339" data-label="Section-Header">Component Description:</div> <div data-bbox="1147 1310 1362 1657" data-label="Text"> <p>Cost to have engineering firm review rigging and installation plan. Supporting documentation is attached. This invoice has been paid.</p> </div> <div data-bbox="707 1668 815 1697" data-label="Text">Amount:</div> <div data-bbox="1147 1668 1265 1697" data-label="Text">\$2,800.00</div>

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	\$189,650.00	\$171,280.00		\$2,625.00	
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
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	\$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	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$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

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,500.00	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 Exhibit for more information.	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Sub-total	\$189,650.00	\$171,280.00	N/A	\$2,625.00	N/A
Total for all systems	\$3,315,145.00	\$2,864,422.85	N/A	\$1,672,249.22	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.
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 - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.
Prepare request for Special Temporary Authorization	Information not provided.
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	<p>Component Description:</p> <p>Cost of RF consultant preparation of engineering section of FCC Form 2100. Hourly supporting documentation attached. This invoice has been paid.</p> <p>Amount:</p> <p>\$2,500.00</p>
Perform engineering study for new channel assignment and antenna development	<p>Component Description:</p> <p>Cost of RF consultant work for new channel assignment and antenna development. Hourly supporting documentation attached. This invoice has been paid.</p> <p>Amount:</p> <p>\$62.50</p> <p>Component Description:</p> <p>Cost of RF consultant work for new channel assignment and antenna development. Hourly supporting documentation attached. This invoice has been paid.</p> <p>Amount:</p> <p>\$62.50</p>
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.
ASR modification (prepare FCC Form 854)	Information not provided.

Cost
Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$89,790.00	\$82,185.00		\$5,640.95	
Equipment Storage	<i>\$10,000.00</i>	\$10,000.00	N/A	\$2,086.50	N/A
MVPD Notification of Channel Change	<i>\$1,600.00</i>	\$1,600.00	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 Delivery and Handling Charges	<i>\$10,000.00</i>	\$10,000.00	N/A	\$3,554.45	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$15,000.00</i>	\$15,000.00	N/A	N/A	N/A
Non-zoning permits	<i>\$15,000.00</i>	\$15,000.00	N/A	N/A	N/A
Local Zoning	<i>\$25,000.00</i>	\$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
DTV Medical Facility Notification	\$11,550.00	\$4,000.00	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 - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A
Sub-total	\$89,790.00	\$82,185.00	N/A	\$5,640.95	N/A
Total for all systems	\$3,315,145.00	\$2,864,422.85	N/A	\$1,672,249.22	N/A

Components

Actual Information	
Description	File Name
Equipment Storage	<p>Component Description: Cost of storage for filter before installation. Supporting documentation is attached.</p> <p>Amount: \$2,086.50</p>
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.

Equipment Delivery and
Handling Charges

Component Description:

Cost of freight for additional cut pieces of transmission line. Supporting documentation and justification of expedited freight attached. This invoice has been paid.

Amount:

\$1,589.20

Component Description:

Cost of freight for additional equipment for elbow complex. Supporting documentation is attached.

Amount:

\$30.60

Component Description:

Cost of freight for antenna radome covers. Supporting documentation and justification of expedited freight attached. This invoice has been paid.

Amount:

\$543.65

Component Description:

Cost of last mile delivery and unloading of filter. Supporting documentation is attached.

Amount:

\$1,391.00

Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
Non-zoning permits	Information not provided.
Local Zoning	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.
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$3,315,145.00	\$2,864,422.85
			\$1,672,249.22

Reimbursement Status	Question	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	<p>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.</p>	
		<ol style="list-style-type: none"> 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.

<p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Mario Vasquez <i>Vice President - Finance, Operations</i></p> <p>04/02/2020</p>

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).	
		<ol style="list-style-type: none"> 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.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Mario Vasquez <i>Vice President - Finance, Operations</i></p> <p>04/02/2020</p>

Attachments