

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID:	37971	Service: DTV	Call Sign:	WPXU-TV	Channel: 16 (UHF)
File Number:	000002	8439	olgn.		
FRN: 00	01808468	Date Submitted:	06/12 /2020		

Applicant Name, Type, and Contact Information

Information

ION MEDIABianca Frye+1BiancaFrye@ionmedia.CorporationJACKSONVILLE601(561)comcomLICENSE, INC.Clearwater682Doing Business As: IONPark Road4110MEDIAWest PalmJACKSONVILLEBeach, FLLICENSE, INC.33401UnitedStates	Applicant	Address	Phone	Email	Applicant Type
	JACKSONVILLE LICENSE, INC. Doing Business As: ION MEDIA JACKSONVILLE	601 Clearwater Park Road West Palm Beach, FL 33401 United	(561) 682-	•	Corporation

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	Question	Response
Information and Transition Plan	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 ASR #1007163 to ASR #1006934. Replace non-retunable transmitter, install top 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	Existing Transmitter Information					
Transmitter	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	DCX			
		Year	2002			
		Туре	Inductive Output Tube			
		IOT Power Type	Single			
		Power Capacity	23.5 kW			

Existing Transmitter Information

Primary	New Transmitter Costs					
Transmitter	Section	Question	Response			
	New Transmitter	Use	Primary (Main)			
		Change Type	Purchase New			
		Is this a request for upgraded equipment?	Yes			
		Manufacturer				
		Model	HPTV- PRLX-U12			
		Transmitter Type	Solid State			
		Solid State Cooling	Liquid Cooled			
		Solid State Power capacity	20 kW			
		Justification for New Transmitter	ION is requesting a liquid cooled transmitter as the current IOT transmitter is liquid cooled. 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	150 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
	Туре	Cooling Only
	Size	5 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	Yes
	Size	360.0 square fee
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter	Other Transmitter Cost Not Listed			
	Name	Description		
	RF interconnect	Interconnect between RF System and transmission line.		
	Removal of Existing Equipment	Removal of existing transmitters and equipment / Site Prep		

Interim	New Transmitter Costs					
Transmitter	Section	Question	Response			
	New Transmitter	Use	Interim			
		Description of Use	N/A			
		Change Type	Lease New			
		Manufacturer				
		Model	AT72 1K011 1kW			
		Transmitter Type	Solid State			
		Solid State Cooling	Air Cooled			
		Solid State Power capacity	1 kW			
		Justification for New Transmitter	Needed to keep station on air before main transmitter was installed			

Interim	Other Transmitter Costs		
Transmitter	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
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	No

Other Transmitter Cost Not Listed

Transmitter Information not provided.

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

Primary Antenna	Section		Existing Antenna Information			
	beetion	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			
		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)	600.0 kW			

Manufacturer	
Model	TFU-30 DSC-R CT 160
Year	2002

Primary	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	Yes	
		Ownership	Owned	
		Owner	N/A	
		Is antenna shared?	No	
		Is antenna directional?	Yes	
		Will antenna be located on or in close proximity to an antenna farm?	No	
	New Antenna Manufacturer and Types	Class	Full Power	
		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)	401.0 kW	
		Manufacturer		
			1	

Model	TFU-26DSC /VP-R CT160
Year	2017
Justification for New Antenna	Current slot antenna cannot be re- channeled

Primary Antenna	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	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	

Other Antenna Costs

PrimaryOther Antenna Cost Not ListedAntennaInformation not provided.

Interim	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Interim	
		Description of Use	N/A	
		Change Type	Purchase New	
		Ownership	Owned	
		Owner	N/A	
		Is antenna shared?	No	
		Is antenna directional?	Yes	
		Will antenna be located on or in close proximity to an antenna farm?	No	
	New Antenna Manufacturer and Type	Class	Full Power	
		Mounting	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		Туре	Broadband Slot	
		Number of Stations Supported	1	
		Number of Panels/Bays	8	
		Lower Limit	470.00 MHz	
		Upper Limit	698.00 MHz	
		Design power capacity in use	25.0 %	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	65.0 kW	
		Manufacturer		
		Model	TFU-WB-8	
		Year	2017	
			1	

Interim
ontonno
antenna
needed to
complete
move to
new
channel.

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 Other Antenna Cost Not Listed

Antenna Information not provided.

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

Primary	Existing Transmission Line			
Transmissio	n 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	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	770 feet per run	

Primary	New Transmission Line			
Transmissio	n Line Section	Question	Response	
	New Transmission Line Costs	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	No	
		Туре	Rigid	
		Diameter	4 1/16 inches	
		Other Diameter	N/A	
		Segment Length	19 1/2 inches	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	700 feet per run	
		Justification for New Transmission Line	See attached Transmission Line Exhibit	

Other Transmission Line Expenses Not Listed Primary		
Transmissior	n Line	Description
	Sweep existing transmission line	Sweep existing transmission line

Interim	New Transmission Line			
Transmissio	on Line Section	Question	Response	
	New Transmission Line	Use	Interim	
	Costs	Description of Use	N/A	
		Change Type	Purchase New	
		Туре	Flexible Air	
		Diameter	1 5/8 inches	
		Segment Length	N/A	
		Other Segment Length		
		Number of parallel runs	1	
		Length	600 feet per run	
		Justification for New Transmission Line	Transmission line for interim antenna needed to meet repack deadline	

Other Transmission Line Expenses Not Listed Transmission

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

Primary	Add Tower			
Tower	Section	Question	Response	
	Existing Tower Description	Type of change	Modify Existing	
		Tower Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Leased	
		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	Do you have a tower registration number?	Yes	
	Registration	ASR Number	1006934	
	Coordinates (<u>NAD83</u> (North American Datum of 1983))	Latitude (NAD83)	34° 29' 42.0" N-	
		Longitude (NAD83)	077° 29' 18.0" W-	
		Overall Structure Height	1012.78 feet	
		Support Structure Height	1010.49 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	29.53 feet	

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Sunrise Broadcasting, LLC
Date Constructed	01/01/1986

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
47884	WRMR	FM
28172	WXQR-FM	FM
28171	WQSL	FM

Primary Tower Modification Costs

Tower

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:	Minor Reinforcements needed

Primary Tower Rigging Costs

Tower	Section	Question	Response
	Tower Rigging Costs	Complex Tower	N/A

Helicopter Services	Are helicopter services required?	No
Required		

Primary	Other Tower Expenses Not Listed	
Tower	Name	Description
	Structural analysis	Structural analysis

Existing Tower Description Type of change Mov Equition Tower Use Tower Use Prim (Mail Description of Use N/A Ownership Least Is this tower consider Complex? No Use 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	ipment nary in) sed
DescriptionEquiTower UsePrim (MaiDescription of UseN/AOwnershipLeasIs this tower consider Complex?IIs this tower currently shared with any other stations?NoOne or more FM, AM or TV radio broadcaster(s)N/AOthers Types of UsersN/A	ipment nary in) sed
(MainDescription of UseN/AOwnershipLeaseIs this tower consider Complex?IIs this tower currently shared with any other stations?NoOne or more FM, AM or TV radio broadcaster(s)N/AOthers Types of UsersN/A	in) sed
OwnershipLeastIs this tower consider Complex?IIs this tower currently shared with any other stations?NoOne or more FM, AM or TV radio broadcaster(s)N/AOthers Types of UsersN/A	sed
Is this tower consider Complex?NoIs this tower currently shared with any other stations?NoOne or more FM, AM or TV radio broadcaster(s)N/AOthers Types of UsersN/A	
Is this tower currently shared with any other stations?NoOne or more FM, AM or TV radio broadcaster(s)N/AOthers Types of UsersN/A	
stations? One or more FM, AM or TV radio broadcaster(s) Others Types of Users	
broadcaster(s) Others Types of Users N/A	
Is tower documented for structural analysis? Unk	nown
Is tower compliant with Rev G? No	
Existing Tower Structure Do you have a tower registration number? Yes	
Registration ASR Number 1007	7163
	31')" N-
	° 26')" W-
Overall Structure Height 799.	.86 feet
Support Structure Height 796.	.58 feet
Ground Elevation Above Mean Sea Level 28.8 (AMSL)	37 feet
Free Star Guy	nding or

Tower Owner	K2 Towers, LLC
Date Constructed	05/19/1995

Primary Tower Section

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

Primary Tower Angel State Not Listed

Name	Description
Interim antenna installation	Install interim antenna to operate on current channel. Remove interim antenna after commencement of operations on new main antenna.
Structural Study	Structural analysis required after tower mapping completed

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

	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	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

Other Professional Services Expenses Not Listed Professional Services roopstsided.

Other	Section	Question	Response
Expenses	AM Pattern Disturbance	Is an Impact Study needed?	No
		Is Remediation needed?	No
	Facility Expenses	Name	N/A
		Other Distributed Transmission System Expenses Not listed	N/A
		Name	N/A
		Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
	Permit and Filing Costs	Local Zoning	Yes
		Non-zoning permits	Yes
		BLM or NFS Coordination	No
		FCC Construction Permit Minor Change	No
		FCC License to Cover Application	Yes
		FCC Special Temporary Authority Application	Yes
	Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
		Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
		Does this relocation require Equipment Storage?	Yes
		Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
		Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses Not Listed

Expenses Information not provided.

Transmitters

Cost Information

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

	Predetermined	Estimated	Estimated Cost		Actual C
Description	Cost Estimate	Cost	Justification	Actual Cost	Justifica
Interim Transmitter AT72 1K011 1kW	\$126,000.00	\$14,616.64		\$8,616.64	
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$126,000.00	\$14,616.64	Please see WPXU Loaner Agreement COMARK Broadcast Equipment Use Agreement signed and Hitachi Comark Quote #CS00003341- WPXU	\$8,616.64	N/A
Primary Transmitter HPTV-PRLX- U12	\$906,641.82	\$794,044.56		\$627,326.16	
RF interconnect	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Removal of Existing Equipment	\$27,079.82	\$27,079.82	Please see attached Skyline Communications Quote #98921233.	\$27,079.82	N/A
Other Building Addition Size: 360.0	\$124,762.00	\$124,762.00	Please see Thermobond Quote #1902-85C and Worldwide Communications Quote S-19-998 (ION will not seek reimbursement for ice shield covering generator)	\$89,762.00	N/A

Components

Actual Information Description	File Name	
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	Component Description:	Cost of installation for interim transmitter. Supporting documentation and cover letter attached. This invoice has been paid.
	Amount:	\$5,616.64

Component Description:	Cost of rental interim transmitter for two months. Supporting documentation is attached. This invoice has been paid. \$2,000.00
Component Description:	Cost of rental interim transmitter for one month. Supporting documentation is attached. This invoice has been paid.
Amount:	\$1,000.00
Component Description:	Cost of rental interim transmitter for two months. Supporting documentation is attached. This invoice has been paid. \$2,000.00
Component Description:	Cost for first month rental of interim transmitter. Supporting documentation is attached. This invoice has been paid. \$1,000,00
Amount:	\$1,000.00

	Component Description:	Cost of rental interim transmitter for two months. Supporting documentation is attached. This invoice has been paid. \$2,000.00
	Component Description: Amount:	Cost of rental interim transmitter for one month. Supporting documentation is attached. This invoice has been paid. \$1,000.00
RF interconnect	Information not provided.	
Removal of Existing Equipment	Component Description: Amount:	Cost of deinstallation of transmitter and related components. Supporting documentation is attached. \$27,079.82

Other Building Addition Size: 360.0	Component Description:	75% "balance" payment for transmitter building.
		Supporting documentation is attached. This
		invoice has been paid.
	Amount:	\$65,120.00
	Component Description:	25% "deposit" payment for transmitter building. Supporting documentation is attached. This invoice has been paid.
	Amount:	\$24,642.00

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	Component Description:	30% "deposit due with order" and 50% "due within 60 days of order" for additional components for transmitter. Supporting documentation is attached.
	Amount:	\$16,485.60
	Component Description: Amount:	30% "deposit" payment for Comark Transmitter. Supporting documentation attached. \$143,208.00
	Component Description: Amount:	50% "progress" payment on Comark transmitter. Supporting documentation attached. \$238,680.00

Transformer 3 phase/480v -		
150 KVA	Component Description:	Cost of electric installation for new
		transmitter.
		Explanation of
		variance and
		supporting
		documentation is
		attached. This
		invoice has been
		paid.
	Amount:	\$98,450.00
	Component Description:	Cost of electric
		installation for new
		transmitter.
		Supporting
		documentation is
		attached. This
		invoice has been
	Amount:	paid.
	Anount.	\$103,250.00
5 Ton system		
	Component Description:	50% "balance"
		payment for HVAC
		Supporting
		documentation is
		attached. This
		invoice has been
		paid.
	Amount:	\$6,830.37
	Component Description:	50% "deposit"
		payment for HVAC
		Supporting
		documentation is
		attached. This
		invoice has been
		paid.

Antennas

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-WB-8	\$105,700.00	\$83,593.00		\$0.00	
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	\$9,570.00	\$7,193.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A

UHF -	\$89,400.00	\$70,000.00	The	N/A	N/A
Lower			estimated		
Power			cost has		
Side			been re-		
Mount,			entered		
One			due to a		
station			technical		
antenna -			error with		
medium			the LMS		
power (50-			form. Per		
200 kW),			FCC		
horizontally			procedure,		
polarized			we have re-		
			entered the		
			original		
			cost		
			estimate		
			that ties to		
			our original		
			submission		
			while the		
			technical		
			issue is		
			resolved.		
Primary Antenna TFU-26DSC /VP-R CT160	\$271,710.00	\$237,807.00		\$204,407.00	
Pattern	\$5,260.00	\$5,000.00	N/A	N/A	N/A
scatter					
analysis for					
side mount					
high/med					
power					
power antennas					
antennas					
antennas (if not					

Side mount brackets	\$23,150.00	\$22,000.00	N/A	N/A	N/#
for high					
power					
antennas (if pot					
(if not included in					
antenna					
base cost)					
	• • • • • •	•••••		• • • • • •	
Elbow	\$9,570.00	\$8,055.00	Please see	\$8,055.00	N//
complex,			Dielectric Quote		
single channel, at			#DMS046-1		
antenna			#20000401		
input, per 4					
1/16.					
feedline (if					
needed)					
Sweep test	\$6,730.00	\$6,400.00	N/A	\$0.00	N//
of existing					
antenna					
UHF -	\$227,000.00	\$196,352.00	The	\$196,352.00	N//
Lower			estimated		
Power			cost has		
Side			been re-		
Mount,			entered		
One			due to a technical		
station antenna			error with		
200-500			the LMS		
kW,			form. Per		
elliptically			FCC		
or			procedure,		
circularly			we have re-		
polarized			entered the		
			original		
			cost		
			estimate		
			that ties to		
			our original		
			submission		
			while the		
			technical issue is		
			resolved.		
			10301000.		

Actual Information Description	File Name
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	Information not provided.
Sweep test of existing antenna	Information not provided.
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Information not provided.
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.

Elbow complex, single		
channel, at antenna input, per 4 1/16. feedline (if	Component Description:	25% "deposit" for
needed)		primary elbow
,		complex.
		Supporting
		documentation attached. This
		invoice has been
		paid.
	Amount:	\$2,013.75
		<i>\\\\</i> , <i>0</i> ,0,0,0
		400/ "- ((
	Component Description:	10% "after repac
		sweep" for elbow complex.
		Supporting
		documentation is
		attached. This
		invoice has been
		paid.
	Amount:	\$805.50
	Component Description:	65% "prior to ship
		for primary elbow
		complex.
		Supporting
		documentation
		attached. This
		invoice has been
		paid.
	Amount:	\$5,235.75
Sweep test of existing antenna	Information not provided.	
UHF - Lower Power Side		
Mount, One station antenna		
200-500 kW, elliptically or	Component Description:	25% "deposit" for
circularly polarized		primary antenna
		side mount brackets.
		brackets. Supporting
		Supporting
		documentation
		documentation attached. This
		attached. This

Component Description: Amount:	25% "deposit" for primary antenna. Supporting documentation attached. This invoice has been paid. \$43,650.50
Component Description:	10% "after repack sweep" for primary antenna mounts. Explanation of variance and supporting documentation is attached. This invoice has been paid. \$2,175.00
Component Description:	65% "prior to ship" for primary antenna. Supporting documentation attached. This invoice has been paid. \$113,491.30
Component Description:	10% "after repack sweep" for primary antenna. Explanation of variance and supporting documentation is attached. \$17,460.20

Component Description:	10% "after repack sweep" for primary antenna mounts. Explanation of variance and supporting documentation is attached. \$2,175.00
Component Description:	65% "prior to ship" for primary antenna side mount brackets. Supporting documentation attached. This invoice has been paid. \$14,137.50
Component Description:	10% "after repack sweep" for primary antenna. Explanation of variance and supporting documentation is attached. This invoice has been paid. \$17,460.20

Transmission Line

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$19,800.00	\$18,798.82		\$18,798.82	
Flexible Air Transmission Line - dielectric, 1 5 /8"	\$19,800.00	\$18,798.82	Please see attached Dielectric Quote #900088CMZ WPXU ION INTERIM Line	\$18,798.82	N/A
Primary Transmission Line	\$105,800.00	\$80,836.60		\$79,854.31	
Sweep existing transmission line	\$6,400.00	\$6,400.00	N/A	\$5,760.00	N/A
Rigid Transmission Line - copper, 4 1 /16"	\$99,400.00	\$74,436.60	Cost of transmission line. Please see Dielectric Quote DMS046-1.	\$74,094.31	N/A
Sub-total	\$125,600.00	\$99,635.42	N/A	\$98,653.13	N/A
Total for all systems	\$2,969,311.55	\$2,425,864.35	N/A	\$1,746,066.17	N/A

Actual Information	
Description	File Name

Flexible Air Transmission Line - dielectric, 1 5/8"	Component Description: Amount:	Cost of interim transmission line. Supporting documentation is attached. \$18,798.82
Sweep existing transmission line	Component Description:	65% "prior to ship" for repack sweep of primary antenna operations. Supporting documentation attached. This invoice has been paid. \$4,160.00
	Component Description:	25% "deposit" for repack sweep of primary antenna operations. Supporting documentation attached. This invoice has been paid. \$1,600.00

Rigid Transmission Line -		
copper, 4 1/16"	Component Description:	25% "deposit" for primary transmission line. Supporting documentation attached. / 25% "deposit" for primary transmission lines additional cut pieces. Supporting documentation attached. This invoice has been paid.
	Amount:	\$18,609.15
	Component Description: Amount:	10% "after repack sweep" for transmission line. Supporting documentation is attached. This invoice has been paid. \$7,101.37
	Component Description:	65% "prior to ship" for primary transmission line. Supporting documentation attached. / 65% "prior to ship" for primary transmission lines additional cut pieces. Supporting documentation attached. This invoice has been paid.
	Amount:	\$48,383.79

Tower Equipment and Rigging Costs

Cost Information

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

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Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actua Justifi
Primary Tower TOWER	\$779,800.00	\$310,500.00		\$195,500.00	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$160,000.00	Cost for removal of old antenna and transmission lines off of old tower. Please see attached Worldwide Communications Quote #S-19-934. Estimate does not include \$20,000 deposit to Worldwide that was submitted and approved on a different cost element.	\$160,000.00	Ν
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$8,500.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***	\$8,500.00	Ν
Tall Tower (greater than 500')	\$210,500.00	\$20,000.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***	\$20,000.00	N

Structural Study	\$12,000.00	\$12,000.00	N/A	\$7,000.00	N
Interim antenna installation	\$110,000.00	\$110,000.00	N/A	N/A	N
Primary Tower TOWER	\$399,800.00	\$649,633.00		\$587,908.00	
Structural analysis	\$5,000.00	\$5,000.00	Cost of tower structural study or modification design. Please see Sunrise Broadcasting Quote dated 11-30- 2018 attached.	\$5,000.00	Ν
Minor tower reinforcement /modifications	\$158,000.00	\$182,960.00	Please see attached Worldwide Communications Quote #S-19-963 plus tax. And Sunrise Broadcasting Tower Mods Quote	\$182,960.00	Ν
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$5,000.00	N/A	N/A	Ν

Tall Tower (greater than 500')	\$210,500.00	\$456,673.00	Cost of tower services. Please see attached CSS Quote #QUIONTV041819, Worldwide Communications Quotes #S-19-934- A, #S-19-989, and #S-19-992. Plus applicable sales tax and weather delay charges.	\$399,948.00	Ν
Sub-total	\$1,179,600.00	\$960,133.00	N/A	\$783,408.00	Ν
Total for all systems	\$2,969,311.55	\$2,425,864.35	N/A	\$1,746,066.17	N

Actual Information Description	File Name	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Component Description:	75% "deposit" for tower services. Supporting documentation is attached. This invoice has been paid. \$120,000.00
	Component Description:	Remaining balance due for tower services. Supporting documentation is attached. This invoice has been paid. \$40,000.00

Tower mapping for an undocumented/poorly		
documented tower and preparation of	Component Description:	Cost of engineering consultants to visit
documentation necessary		the site and provide
for tower load study		tower mapping. Supporting
		documentation
		attached. This
		invoice has been
		paid.
	Amount:	\$8,500.00
Tall Tower (greater than		
500')	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
Structural Study		
	Component Description:	Cost of engineering
		consultants to
		prepare the tower
		structural analysis.
		Supporting
		documentation
		attached. This invoice has been
		paid.
	Amount:	\$7,000.00
Interim antenna installation	Information pat provided	
	Information not provided.	

Structural analysis		
	Component Description:	Cost for tower structural study or modification design. Supporting
		documentation is attached. This invoice has been
	Amount:	paid. \$5,000.00
Minor tower reinforcement /modifications		
	Component Description:	Balance due payment for custom built
		brackets. Supporting
		documentation is attached. This
	Amounti	invoice has been paid.
	Amount:	\$7,000.00
	Component Description:	2nd and 3rd
		progress payments for tower reinforcements.
		Supporting
		documentation is attached. This
		invoice has been paid.
	Amount:	\$78,000.00
	Component Description:	75% deposit
		payment for custom built
		brackets. Supporting
		documentation is
		attached. This invoice has been
	A	paid.
	Amount:	\$21,000.00

	Component Description: Amount:	Cost of tax for custom built brackets. Supporting documentation is attached. This invoice has been paid. \$1,960.00
	Component Description:	1st progress payment for tower reinforcements. Supporting documentation is attached. This invoice has been paid. \$75,000.00
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.	
Tall Tower (greater than 500')	Component Description:	Cost of tower services (installation and line). Supporting documentation is attached. This invoice has been paid.
	Amount:	\$12,000.00

Component Description:	Cost of rain/wind delays for 1 day during tower work. Supporting documentation is attached. This invoice has been paid. \$3,250.00
Component Description:	Cost of rain delays for 4 days during tower work. Supporting documentation is attached. \$11,700.00
Component Description: Amount:	75% "deposit" for tower services. Supporting documentation is attached. \$170,175.00
Component Description:	Balance due and sales tax for tower services. Supporting documentation is attached. \$149,800.00
Component Description: Amount:	Cost of rain delays for 4 days during tower work. Supporting documentation is attached. \$11,050.00

Component Description:	Cost of
Component Description:	Cost of
	remobilization for
	tower crew.
	Supporting
	documentation is
	attached. This
	invoice has been
	paid.
Amount:	\$22,473.00
Component Description:	Cost of rain/wind
Component Description:	Cost of rain/wind
	delays for 6 days
	during tower work
	Supporting
	documentation is
	attached. This
	invoice has been
	paid.

Outside Professional Services

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$161,210.00	\$152,750.00		\$6,367.99	
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	\$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	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	\$1,562.50	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$62.50	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Sub-total	\$161,210.00	\$152,750.00	N/A	\$6,367.99	N/A
Total for all systems	\$2,969,311.55	\$2,425,864.35	N/A	\$1,746,066.17	N/A

Actual Information Description	File Name
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 - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	Invoice for station's portion of general repack legal expenses incurred for 42 of the ION repack stations for period 2/1/2017 - 12/15/2017. Payee has corresponded with FCC staff and has provided corrected supporting documentation. \$4,837.97
	Component Description:	Invoice for WPXU'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.	
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 RF consultant preparation of engineering part of FCC Form 2100. Hourly supporting documentation attached. This invoice has been paid. \$1,562.50
Perform engineering study for new channel assignment and antenna development	Component Description:	Cost of RF consultant work for new channel assignment and antenna development. Hourly supporting documentation attached. This invoice has been paid. \$62.50
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	Information not provided.	
RF Exposure Measurements	Information not provided.	

Other Expenses

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificatio
Other Expenses	\$92,849.73	\$83,284.73		\$17,287.25	
Develop and air announcement of upcoming channel change	\$0.00	\$0.00	The amount is yet to be determined (TBD) and ION will submit on-air announcement costs when finalized.	N/A	N/A
Equipment Delivery and Handling Charges	\$15,269.73	\$15,269.73	This is what vendors have charged to ship repack equipment.	\$14,787.25	N/A
MVPD Notification of Channel Change	\$500.00	\$500.00	N/A	\$500.00	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	\$2,000.00	N/A	\$2,000.00	N/A
Equipment Storage	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Sub-total	\$92,849.73	\$83,284.73	N/A	\$17,287.25	N/A
Total for all systems	\$2,969,311.55	\$2,425,864.35	N/A	\$1,746,066.17	N/A

Actual Information Description	File Name
Develop and air announcement of upcoming channel change	Information not provided.

Equipment Delivery and		
Handling Charges	Component Description:	Cost of freight for transmission line. Supporting documentation is attached. This invoice has been paid.
	Amount:	\$3,611.25
	Component Description:	Cost of shipping for additional equipment needed for rental interim transmitter. Supporting documentation is attached. This invoice has been paid.
	Amount:	\$2,370.00
	Component Description:	Cost of shipping for rental interim transmitter. Supporting documentation is attached. This invoice has been paid.
	Amount:	\$482.48
	Component Description:	Cost of shipping for transmitter building. Supporting documentation is attached. This invoice has been paid.
	Amount:	\$8,806.00

Channel Change	Component Description:	Cost of MVPD notifications for repack channel change. Supporting documentation i attached. This invoice has been paid. \$500.00
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.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
DTV Medical Facility Notification	Component Description:	Cost of medical notifications for repack channel change. Supporting documentation i attached. This invoice has been paid. \$2,000.00

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$2,969,311.55	\$2,425,864.35	\$1,746,066.17

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
		 The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. The above-named entity acknowledges that all certifications and attached documentation are 	
		considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.	

- 4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
- 7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8.	The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
an aut nameo	re, under penalty of perjury, that I am horized representative of the above- I applicant for the Authorization(s) ed above.	Mario Vasquez Vice President - Finance, Operations 06/12/2020

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		 The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 	
		2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.	
		3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

- 4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
- 5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster **Relocation Fund are** necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested. 	
I declare, under penalty of perjury, that I am an authorized representative of the above- named applicant for the Authorization(s) specified above.	Mario Vasquez Vice President - Finance, Operations 06/12/2020

Attachments
