



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **7692** | Service: **DTV** | Call **WBPX-TV** | Channel: **32 (UHF)** |
ID: | Sign:
File **0000028300**
Number:
FRN: **0003720208** | Date **04/08**
Submitted: **/2021**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
ION MEDIA BOSTON LICENSE, LLC Doing Business As: ION MEDIA BOSTON LICENSE, LLC	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.	Yes
Briefly describe transition plan	Relocate from ASR #1004623 to ASR #1046935. Replace non-retunable transmitter, install side mount antenna and transmission line to operate on post-repack channel.

Question	Response
Sharee Station Facility ID	60551
Call Sign	WUNI
Type	Commercial
Licensee Name	UNIMAS BOSTON LLC
Status	LICENSED
DTS (Distributed Transmission System)	No
Community of License	MARLBOROUGH, MA
Pre-auction RF Channel	27
Post-auction RF Channel	27
Neilsen DMA	Boston (Manchester)
Network Affiliation	

Question	Response
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Sharee Station Facility ID	14682
Call Sign	WWJE-DT
Type	Commercial
Licensee Name	UNIVISION LOCAL MEDIA INC.
Status	LICENSED
DTS (Distributed Transmission System)	No
Community of License	DERRY, NH
Pre-auction RF Channel	27
Post-auction RF Channel	27
Neilsen DMA	Boston (Manchester)
Network Affiliation	

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	DCX
	Year	2004
	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	HPTV-PRLX-U8
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	13 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)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A

	Length	N/A
	Other Electrical Service	Yes
	Description	Electrical Installation for replacement transmitter
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	5 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter **Other Transmitter Cost Not Listed**

Name	Description
Removal of Existing Equipment	Removal of existing transmitters and equipment / Site Prep
RF Interconnect	Interconnect between RF System and transmission line

Antennas

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

**Primary
Antenna**

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	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)	300.0 kW

Manufacturer	
Model	TLP-24C
Year	2004

**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?	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
Mounting		Side Mount
Antenna position in stack		Not in Stack
Polarization		Elliptical
Type		Slotted Coaxial
Number of Stations Supported		N/A
Number of Panels/Bays		N/A
Lower Limit		N/A
Upper Limit		N/A
Design power capacity in use		N/A
Other Antenna Type		N/A
ERP: (Effective Radiated Power)		150.0 kW
Manufacturer		

Model	TFU-15JSC /VP-R S190
Year	2019
Justification for New Antenna	Current slot antenna cannot be re-channelled

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	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?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary
Antenna**

Other Antenna Cost Not Listed

Information not provided.

**Interim
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	8
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	25.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	74.0 kW
	Manufacturer	
	Model	TFU-WB-8
	Year	2017

Justification for New Antenna

Interim antenna needed to complete move to new channel. See attached Clarification Regarding the Interim Antenna Exhibit.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	4 1/16 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Interim Antenna

Other Antenna Cost Not Listed

Information not provided.

**Transmission
Line**

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

**Primary
Transmission
Line**

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Flexible Air
	Diameter	5 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1200 feet per run

**Primary
Transmission
Line** **New Transmission Line**

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	4 1/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1201 feet per run
	Justification for New Transmission Line	See attached Dielectric Quote #700131CMZ-5. ION plans to use existing line for the interim antenna while post repack operations are constructed.

**Primary
Transmission
Line** **Other Transmission Line Expenses Not Listed**

Name	Description
Sweep existing current 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	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 Registration	Do you have a tower registration number?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	42° 23' 02.7" N-
	Longitude (NAD83)	071° 29' 35.3" W-
	Overall Structure Height	1253.92 feet
	Support Structure Height	1201.43 feet
	Ground Elevation Above Mean Sea Level (AMSL)	208.00 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Vertical Bridge AM, LLC
Date Constructed	09/01/2010

**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
60551	WUNI	DTV
14682	WWJE-DT	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:	No 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

Information not provided.

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Move Equipment
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	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?	Unknown
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1004623
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	42° 18' 27.8" N-
	Longitude (NAD83)	071° 13' 24.9" W-
	Overall Structure Height	1252.94 feet
	Support Structure Height	1176.82 feet
	Ground Elevation Above Mean Sea Level (AMSL)	93.83 feet
	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
	Tower Owner	American Towers, LLC

Date Constructed

10/28/2004

**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
25052	WMJX	FM
25050	WBQT	FM
53972	WJMN	FM
53965	WXKS-FM	FM
68241	WBUR-FM	FM
64833	WFXZ-CD	DTV
20438	WROR-FM	FM
10542	WKLB-FM	FM
23439	WBOS	FM

**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
Environmental Study	Bird Migratory Evaluation to see if birds have nested on tower
Structural Study	Structural Study required by landlord

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**
Information not provided.

Other Expenses

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

**Other
Expenses**

Other Expenses Not Listed

Information not provided.

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter HPTV-PRLX-U8	\$1,783,704.82	\$477,391.82		\$477,391.82	
5 Ton system	\$20,250.00	\$23,127.00	Cost of installation of system. Please see attached New Silver Engineering LLC Quote #202.	\$23,127.00	N/A
Other Electrical Service: Electrical Installation for replacement transmitter	<i>\$34,410.00</i>	\$34,410.00	Cost of electrical installation of transmitter. Please see attached S.C. Quinn Quote #1287.	\$34,410.00	N/A
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$175,680.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***See attached Hitachi Comark Quote #P3461PRLXU8-011818-R1.	\$175,680.00	N/A

Removal of Existing Equipment	<i>\$49,719.82</i>	\$49,719.82	Cost to disconnect and remove electrical. Please see attached Stadelmann Electric Quote dated 5-7-2019. Cost to deinstall transmitter equipment. Please see attached Skyline Communications Quote #EST21237.	\$49,719.82	N/A
RF Interconnect	<i>\$6,325.00</i>	\$6,325.00	Cost of RF coax interconnect materials. Please see attached Hitachi Comark Quote #P#3461PRLXU8-011818-R1.	\$6,325.00	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$105,408.00	***System Notice: Estimate adjusted and locked because line has been superseded.***	\$105,408.00	N/A

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$82,722.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***Please see attached Hitachi Comark Quote #P#3461PRLXU8- 011818-R1 (\$351,360). Cost estimate does not include previously reimbursed invoice totalling \$281,088 (see other transmitter lines). Please see attached Comark Quote for additional equip (\$12,450).	\$82,722.00	N/A
Sub-total	\$1,783,704.82	\$477,391.82	N/A	\$477,391.82	N/A
Total for all systems	\$2,931,876.36	\$1,379,469.06	N/A	\$1,053,972.49	N/A

Components

Actual Information	
Description	File Name
5 Ton system	<p>Component Description: Cost of HVAC installation. Supporting documentation is attached. This invoice has been paid.</p> <p>Amount: \$23,127.00</p>

Other Electrical Service:
Electrical Installation for
replacement transmitter

Component Description:

"Third payment due" for electrical work for transmitter installation. Supporting documentation is attached.

Amount:

\$10,000.00

Component Description:

Deposit for electrical work for transmitter installation. Supporting documentation is attached. This invoice has been paid.

Amount:

\$10,000.00

Component Description:

"Second payment due" for electrical work for transmitter installation. Supporting documentation is attached. This invoice has been paid.

Amount:

\$11,700.00

Component Description:

"Final payment due" for electrical work for transmitter installation. Supporting documentation is attached.

Amount:

\$2,710.00

<p>UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW</p>	<p>Component Description:</p>	<p>50% "progress" payment on Comark transmitter. Supporting documentation attached.</p>
	<p>Amount:</p>	<p>\$175,680.00</p>
<p>Removal of Existing Equipment</p>	<p>Component Description:</p>	<p>Cost of electrical equipment removal. Supporting documentation is attached.</p>
	<p>Amount:</p>	<p>\$22,640.00</p>
	<p>Component Description:</p>	<p>Cost to uninstall transmitter equipment. Supporting documentation is attached.</p>
	<p>Amount:</p>	<p>\$27,079.82</p>

RF Interconnect	<p>Component Description: 30% "due with order" and 50% "due within 60 days of order" for RF coax interconnect materials. Supporting documentation is attached.</p> <p>Amount: \$5,060.00</p> <p>Component Description: 20% "due upon proof of performance" for RF coax interconnect materials. Supporting documentation is attached.</p> <p>Amount: \$1,265.00</p>
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	<p>Component Description: 30% "deposit" payment for Comark Transmitter. Supporting documentation attached.</p> <p>Amount: \$105,408.00</p> <p>Component Description: 50% "progress" payment on Comark transmitter. Supporting documentation attached.</p> <p>Amount: \$175,680.00</p>

UHF - Liquid Cooled Solid
State Transmitter 8.2 - 13
kW

Component Description:

20% "due upon
proof of
performance" for
transmitter.
Supporting
documentation is
attached.

Amount:

\$70,272.00

Component Description:

30% "due with
order" and 50%
"due within 60 days
of order" for
additional
components
needed for
transmitter
installation.
Supporting
documentation is
attached.

Amount:

\$9,960.00

Component Description:

20% "due upon
proof of
performance" for
additional
components
needed for
transmitter
installation.
Supporting
documentation is
attached.

Amount:

\$2,490.00

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
Interim Antenna TFU-WB-8	\$105,700.00	\$83,593.00		\$0.00	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	\$89,400.00	\$70,000.00	The estimated cost has been re-entered due to a technical error with the LMS form. Per FCC procedure, we have re-entered the original cost estimate that ties to our original submission while the technical issue is resolved.	N/A	N/A
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	\$9,570.00	\$7,193.00	N/A	N/A	N/A

Primary Antenna TFU-15JSC /VP-R S190	\$143,930.00	\$162,955.00		\$147,580.00	
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$16,425.00	N/A	\$16,425.00	N/A
Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	\$10,950.00	\$8,055.00	N/A	\$8,055.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	\$103,100.00	\$132,075.00	Cost of primary UHF side mount antenna. Please see Dielectric Quote #700131CMZ-5 attached.	\$116,700.00	N/A
Sub-total	\$249,630.00	\$246,548.00	N/A	\$147,580.00	N/A
Total for all systems	\$2,931,876.36	\$1,379,469.06	N/A	\$1,053,972.49	N/A

Components

Actual Information	
Description	File Name
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.
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	Information not provided.

Side mount brackets for high power antennas (if not included in antenna base cost)

Component Description:

25% "deposit" for primary antenna mounts.
Explanation of Variance and supporting documentation attached. This invoice has been paid.

Amount:

\$4,106.25

Component Description:

10% "after repack sweep" for primary antenna mounts.
Explanation of variance and supporting documentation is attached.

Amount:

\$1,642.50

Component Description:

65% "prior to ship" for primary antenna mounts.
Explanation of Variance and supporting documentation attached. This invoice has been paid.

Amount:

\$10,676.25

Elbow complex, broadband,
at antenna input, per 4 1
/16. feedline (if needed)

Component Description:

65% "prior to ship"
for primary elbow
complex.
Explanation of
Variance and
supporting
documentation
attached. This
invoice has been
paid.

Amount:

\$5,235.75

Component Description:

25% "deposit" for
primary elbow
complex.
Explanation of
Variance and
supporting
documentation
attached. This
invoice has been
paid.

Amount:

\$2,013.75

Component Description:

10% "after repack
sweep" for primary
elbow complex.
Explanation of
variance and
supporting
documentation is
attached.

Amount:

\$805.50

Sweep test of existing antenna

Component Description: 65% "prior to ship" for repack sweep of primary antenna operations. Explanation of Variance and supporting documentation attached. This invoice has been paid.

Amount: \$4,160.00

Component Description: 10% "after repack sweep" for repack sweep. Supporting documentation is attached. This invoice has been paid.

Amount: \$640.00

Component Description: 25% "deposit" for repack sweep of primary antenna operations. Explanation of Variance and supporting documentation attached. This invoice has been paid.

Amount: \$1,600.00

UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized

Component Description:

25% "deposit" for primary antenna. Explanation of variance and supporting documentation attached. This invoice has been paid.

Amount:

\$29,175.00

Component Description:

65% "prior to ship" for primary antenna. Explanation of Variance and supporting documentation attached. This invoice has been paid.

Amount:

\$75,855.00

Component Description:

10% "after repack sweep" for primary antenna. Explanation of variance and supporting documentation is attached.

Amount:

\$11,670.00

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$176,942.00	\$130,244.70		\$123,718.14	
Sweep existing current transmission line	<i>\$6,400.00</i>	\$6,400.00	N/A	N/A	N/A
Rigid Transmission Line - copper, 4 1/16"	\$170,542.00	\$123,844.70	N/A	\$123,718.14	N/A
Sub-total	\$176,942.00	\$130,244.70	N/A	\$123,718.14	N/A
Total for all systems	\$2,931,876.36	\$1,379,469.06	N/A	\$1,053,972.49	N/A

Components

Actual Information	
Description	File Name
Sweep existing current transmission line	Information not provided.
Rigid Transmission Line - copper, 4 1/16"	<p>Component Description: Cost for additional cut piece of transmission line. Supporting documentation is attached. This invoice has been paid.</p> <p>Amount: \$2,887.50</p>

Component Description: 10% "after sweep" payment for cut piece of transmission line. Supporting documentation is attached. This invoice has been paid.

Amount: \$114.10

Component Description: 10% "after sweep" payment for cut pieces of transmission line. Supporting documentation is attached. This invoice has been paid.

Amount: \$351.40

Component Description: 25% "deposit" for primary transmission lines additional cut pieces (15'-20')(4-50). Explanation of Variance and supporting documentation attached. This invoice has been paid.

Amount: \$570.50

Component Description: 25% "deposit" for primary transmission line. Explanation of Variance and supporting documentation attached. This invoice has been paid.

Amount: \$28,759.15

Component Description: 25% "deposit" for primary transmission lines additional cut pieces (5'-10')(4-50). Explanation of Variance and supporting documentation attached. This invoice has been paid.

Amount: \$593.25

Component Description: 10% "after repack sweep" for primary transmission line. Explanation of variance and supporting documentation is attached.

Amount: \$11,503.66

Component Description: 65% "prior to ship" for primary transmission lines additional cut pieces (15'-20')(4-50). Explanation of Variance and supporting documentation attached. This invoice has been paid.

Amount: \$1,483.30

Component Description: 65% "prior to ship" for primary transmission lines additional cut pieces (5'-10')(3-50). Explanation of Variance and supporting documentation attached. This invoice has been paid.

Amount: \$822.64

Component Description: 65% "prior to ship" for primary transmission line. Explanation of Variance and supporting documentation attached. This invoice has been paid.

Amount: \$74,773.79

Component Description:

25% "deposit" for primary transmission lines additional cut pieces (5'-10')(3-50). Explanation of Variance and supporting documentation attached. This invoice has been paid.

Amount:

\$316.40

Component Description:

65% "prior to ship" for primary transmission lines additional cut pieces (5'-10')(4-50). Explanation of Variance and supporting documentation attached. This invoice has been paid.

Amount:

\$1,542.45

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 TOWER	\$223,100.00	\$98,000.00		\$96,500.00	
Tall Tower (greater than 500')	\$210,500.00	\$93,000.00	\$85,000 worth of Vertical Technology Services invoices were incorrectly submitted and approved in GTower cost section	\$93,000.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$5,000.00	N/A	\$3,500.00	N/A
Primary Tower GTOWER	\$216,000.00	\$168,720.00		\$168,720.00	
Tall Tower (greater than 500')	\$210,500.00	\$163,220.00	Please see Worldwide Communications Quote #S-19-965. Plus weather delays. \$85,000 of Vertical Technology Services were incorrectly submitted in this cost section, they are related to the other tower.	\$163,220.00	N/A

Environmental Study	<i>\$1,500.00</i>	\$1,500.00	Evaluation required to determine if there is active bird nesting on tower before tower work can begin. Please see Trileaf Quote WBPX	\$1,500.00	N/A
Structural Study	<i>\$4,000.00</i>	\$4,000.00	Please see American Tower Quote #12960778	\$4,000.00	N/A
Sub-total	\$439,100.00	\$266,720.00	N/A	\$265,220.00	N/A
Total for all systems	\$2,931,876.36	\$1,379,469.06	N/A	\$1,053,972.49	N/A

Components

Actual Information	
Description	File Name
Tall Tower (greater than 500')	<p>Component Description: 50% "balance due upon completion" for tower services. Supporting documentation is attached. This invoice has been paid.</p> <p>Amount: \$85,000.00</p>
	<p>Component Description: Cost of installation of ice shield. Supporting documentation is attached. This invoice has been paid.</p> <p>Amount: \$8,000.00</p>

Structural engineering tower load study for well documented tower

Component Description:

Cost of structural analysis. Supporting documentation is attached. This invoice has been paid.

Amount:

\$2,500.00

Component Description:

Cost of structural re-analysis. Supporting documentation is attached. This invoice has been paid.

Amount:

\$1,000.00

Tall Tower (greater than 500')

Component Description:

Credit memo for reimbursement of Installation Services #6007, payment of this invoice was later refunded by vendor.

Amount:

(\$19,250.00)

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

Component Description: 50% "upon award" for tower services. Supporting documentation is attached.

Amount: \$19,250.00

Component Description: Balance due for tower services to remove antenna and combiner. Supporting documentation is attached.

Amount: \$18,580.00

Component Description: Cost of installation of ice shield. Supporting documentation is attached. Invoice submitted on incorrect tower. Please reject.

Amount: \$8,000.00

Component Description: 50% "balance due upon completion" for tower services. Supporting documentation is attached. Invoice submitted on incorrect tower. Please reject.

Amount: \$85,000.00

Component Description: Cost of weather delays during tower services to remove old equipment. Supporting documentation is attached. This invoice has been paid.

Amount: \$3,900.00

Component Description: 75% deposit for tower services to remove antenna and combiner. Supporting documentation is attached.

Amount: \$55,740.00

Component Description: 50% "deposit" for tower services. Explanation of Variance and supporting documentation is attached. This invoice has been paid.

Amount: \$65,000.00

Environmental Study	<p data-bbox="708 174 1015 210">Component Description:</p> <p data-bbox="1147 174 1350 566">Cost of migratory bird evaluation, required before starting tower services. Supporting documentation is attached. This invoice has been paid.</p> <p data-bbox="708 577 818 613">Amount:</p> <p data-bbox="1147 577 1267 613">\$1,500.00</p>
Structural Study	<p data-bbox="708 750 1015 786">Component Description:</p> <p data-bbox="1147 750 1350 981">Cost of structural study. Supporting documentation is attached. This invoice has been paid.</p> <p data-bbox="708 992 818 1028">Amount:</p> <p data-bbox="1147 992 1267 1028">\$4,000.00</p>

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		\$6,492.99	
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	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$4,742.99	Duplicate line item. ION is only requesting reimbursement for Invoice Dated 5/1/2018.
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	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	\$1,500.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$250.00	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
Sub-total	\$189,650.00	\$171,280.00	N/A	\$6,492.99	N/A
Total for all systems	\$2,931,876.36	\$1,379,469.06	N/A	\$1,053,972.49	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 - Prepare and File FCC Form 2100 (main), Construction Permit Application	

Component Description:

Invoice for station's portion of general repack legal expenses incurred for 42 of the ION repack stations for period 2/1/2017 - 12/15/2017. Payee has corresponded with FCC staff and has provided corrected supporting documentation.

Amount:

\$4,837.97

Component Description:

Invoice for WPBX's portion of general repack legal expenses incurred for 42 of the ION repack stations for period 2/1/2017 - 12/15/2017. Payee has corresponded with FCC staff. Cover letter, hourly supporting documentation and invoice attached.

Amount:

\$4,742.99

	<p>Component Description: Invoice for WPBX'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.</p> <p>Amount: \$4,742.99</p>
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: Cost of engineering consultant preparation of engineering section of FCC Form 2100. Hourly supporting documentation attached. This invoice has been paid.</p> <p>Amount: \$1,500.00</p>

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

Prepare and or review reimbursement form	Information not provided.
Project management of the transition	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	\$92,849.54	\$87,284.54		\$33,569.54	
Equipment Storage	<i>\$10,000.00</i>	\$10,000.00	N/A	\$4,800.00	N/A
Equipment Delivery and Handling Charges	<i>\$11,369.54</i>	\$11,369.54	This is the actual cost ION has been charged by vendors to deliver repack related equipment	\$11,369.54	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
Local Zoning	<i>\$25,000.00</i>	\$25,000.00	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
DTV Medical Facility Notification	\$11,550.00	\$6,000.00	N/A	\$6,000.00	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A

MVPD Notification of Channel Change	<i>\$4,400.00</i>	\$4,400.00	A second notification was needed because of a date change due to dependencies	\$4,400.00	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
Non-zoning permits	<i>\$15,000.00</i>	\$15,000.00	N/A	\$7,000.00	N/A
Sub-total	\$92,849.54	\$87,284.54	N/A	\$33,569.54	N/A
Total for all systems	\$2,931,876.36	\$1,379,469.06	N/A	\$1,053,972.49	N/A

Components

Actual Information	
Description	File Name
Equipment Storage	<p>Component Description: Cost of storage shed for equipment. Supporting documentation is attached. This invoice has been paid.</p> <p>Amount: \$4,800.00</p>
Equipment Delivery and Handling Charges	

Component Description: Cost of freight for transmission line pieces. Supporting documentation is attached. This invoice has been paid.

Amount: \$175.66

Component Description: Cost of freight for transmission line equipment. Supporting documentation is attached. This invoice has been paid.

Amount: \$416.16

Component Description: Cost of freight for transmission line pieces. Supporting documentation is attached. This invoice has been paid.

Amount: \$769.31

Component Description: Cost of freight for transmission line pieces. Supporting documentation is attached. This invoice has been paid.

Amount: \$368.23

Component Description: Cost of freight for transmission line pieces. Supporting documentation is attached. This invoice has been paid.

Amount: \$1,254.50

Component Description: Cost of freight for main transmitter package. Supporting documentation is attached.

Amount: \$6,530.68

Component Description: Cost of freight for main antenna package. Supporting documentation is attached. This invoice has been paid.

Amount: \$1,855.00

Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
Local Zoning	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.

DTV Medical Facility Notification	<p>Component Description: Cost of medical notifications through Widely Inc. Supporting documentation attached.</p> <p>Amount: \$6,000.00</p>
	<p>Component Description: Cost of medical notifications for repack channel change. Supporting documentation is attached. This invoice has been paid.</p> <p>Amount: \$6,000.00</p>
FCC Filing Fees - Special Temporary Authorization request	Information not provided.

MVPD Notification of Channel Change	<p>Component Description: Cost of MVPD notification for repack channel change. A second notification was needed because of a date change due to dependencies. Supporting documentation is attached. This invoice has been paid.</p> <p>Amount: \$2,200.00</p>
	<p>Component Description: Cost of MVPD notifications of channel change through Widelity Inc. Supporting documentation attached.</p> <p>Amount: \$2,200.00</p>
	<p>Component Description: Cost of MVPD notifications for repack channel change. Supporting documentation is attached. This invoice has been paid.</p> <p>Amount: \$2,200.00</p>
Develop and air announcement of upcoming channel change	Information not provided.

Non-zoning permits

Component Description:

Cost of permitting services. Supporting documentation is attached. This invoice has been paid.

Amount:

\$7,000.00

Cost Information **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,931,876.36	\$1,379,469.06	\$1,053,972.49

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.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.

Mario Vasquez
Vice President - Finance, Operations

04/08/2021

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<p>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).</p>	
		<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.

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

04/08/2021

Attachments