



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **52953** | Service: **DTV** | Call **KSPX-TV** | Channel: **21 (UHF)** |
ID: | Sign:
File **0000028653**
Number:
FRN: **0001808468** | Date **08/06**
Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

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

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

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

**Broadcaster
Information
and
Transition
Plan**

Question		Response
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 #1015686 to ASR #1012855. Install interim transmitter, transmission line, and antenna on pre-channel. In phase 9, install main transmitter, transmission line, and antenna for post- channel. Helicopter services needed for main antenna.

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	Millennium
	Year	2005
	Type	Inductive Output Tube
	IOT Power Type	Three
	Power Capacity	60 kW

**Primary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	THU9-30 EVO
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	46 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
RF Interconnect	Interconnect between RF System and transmission line
Removal of Existing Equipment	Removal of existing transmitters and equipment / Site Prep

Antennas

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

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW

Manufacturer	
Model	TFU- 24DSC-R CT150
Year	2005

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	Full Power
	Mounting	Top 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)	1000.0 kW
	Manufacturer	

Model	ATW26H4-ETCX-21H
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?	
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

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

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	8
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	25.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	95.0 kW
	Manufacturer	
	Model	TFU-WB-8
	Year	2017

	Justification for New Antenna	Interim antenna needed to complete move to new channel.
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Interim Antenna

Other Antenna Costs

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

Interim Antenna

Other Antenna Cost Not Listed

Information not provided.

Transmission Line

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

Primary
Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1770 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?	Yes
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1691 feet per run
	Justification for New Transmission Line	See attached Transmission Line Exhibit

Primary
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Sweep existing transmission line	Sweep existing transmission line

**Tower
Equipment
And
Rigging
Costs**

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

**Primary
Tower**

Add Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Candelabra
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1012855
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	38° 14' 50.0" N-
	Longitude (NAD83)	121° 30' 07.0" W-
	Overall Structure Height	1548.87 feet
	Support Structure Height	1437.97 feet
	Ground Elevation Above Mean Sea Level (AMSL)	0.00 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	Transtower, Inc.
Date Constructed	08/15/2014

**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
56550	KOVR	DTV
51499	KMAX-TV	DTV

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for undocumented /poorly documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	No reinforcements needed

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Candelabra
Helicopter Services Required	Are helicopter services required?	Yes

**Primary
Tower**

Other Tower Expenses Not Listed

Name		Description	
Structural analysis		Structural analysis	

**Primary
Tower**

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Move Equipment
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	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	1015686
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	38° 15' 54.0" N-
	Longitude (NAD83)	121° 29' 28.0" W-
	Overall Structure Height	2000.30 feet
	Support Structure Height	1904.83 feet
	Ground Elevation Above Mean Sea Level (AMSL)	0.00 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

	Tower Owner	Hearst Stations Inc.
	Date Constructed	10/01/1985

**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
51499	KMAX-TV	DTV
10242	KQCA	DTV
33875	KCRA-TV	DTV

**Primary
Tower**

Tower Rigging Costs

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

**Primary
Tower**

Other Tower Expenses Not Listed

Name	Description
Structural analysis	Structural analysis

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

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

Services provided.

Other Expenses

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

**Other
Expenses**

Other Expenses Not Listed

Name	Description
K20JX-D Legal	Cost of Legal fees for K20JX-D Non-Repack station.
K20JX-D Antenna structure and construction	Cost of Antenna Structure & construction for K20JX-D Non-Repack station.
K20JX-D Engineering Consulting	Cost of Engineering Consulting for K20JX-D Non-Repack station.
K20JX-D Antenna, Cabling and Associated Elements	Cost of Antenna, cabling, and associated elements for K20JX-D Non-Repack station.
K20JX-D Installation	Cost of Installation for K20JX-D Non-Repack station.
K20JX-D Transmitter and Associated Elements	Cost of transmitter and associated elements for K20JX-D Non-Repack station.
K20JX-D Zoning and Local Permits	Cost of Zoning and Local Permits for K20JX-D Non-Repack station.

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter THU9-30 EVO	\$1,638,472.51	\$1,316,537.51		\$56,736.07	
Removal of Existing Equipment	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
RF Interconnect	<i>\$25,000.00</i>	\$25,000.00	N/A	\$9,124.81	N/A
5 Ton system	\$20,250.00	\$19,250.00	N/A	N/A	N/A
Other Electrical Service: Electrical Installation for replacement transmitter	<i>\$95,222.51</i>	\$95,222.51	Please see Jampro Antennas, Inc. Quote #AP 042519d-R1. Cost estimate includes sales tax.	\$47,611.26	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,152,065.00	Please see attached quotes for both IOT and SS transmitters for comparison.	N/A	N/A
Sub-total	\$1,638,472.51	\$1,316,537.51	N/A	\$56,736.07	N/A
Total for all systems	\$3,537,042.01	\$2,881,778.34	N/A	\$591,502.10	N/A

Components

Actual Information Description	File Name
Removal of Existing Equipment	Information not provided.
RF Interconnect	<div> <div>Component Description:</div> <div>50% "down payment" for additional RF parts. Supporting documentation is attached. This invoice has been paid.</div> </div> <div> <div>Amount:</div> <div>\$9,124.81</div> </div>
5 Ton system	Information not provided.
Other Electrical Service: Electrical Installation for replacement transmitter	<div> <div>Component Description:</div> <div>50% down payment for electrical installation. Supporting documentation is attached.</div> </div> <div> <div>Amount:</div> <div>\$47,611.26</div> </div>
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Information not provided.

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-WB-8	\$105,700.00	\$83,593.00		\$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 - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	\$89,400.00	\$70,000.00	Per FCC procedure regarding the Form 399 technical issue which is erasing previously entered antenna costs, we are re-entering the estimate which was already included in our original submission.	N/A	N/A

Primary Antenna ATW26H4- ETCX-21H	\$313,790.00	\$222,572.47		\$108,406.79	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,591.18	Cost of elbow complex. Cost estimate includes sales tax. Please see attached Electronics Research, Inc. Quote #20180820- 033.	\$5,277.12	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$200,246.91	Cost of primary antenna. Cost estimate includes sales tax but does not include EPOL upgrade. Please see attached Electronics Research, Inc. Quote #20180820- 033.	\$99,774.23	N/A

Sweep test of existing antenna	\$6,730.00	\$6,734.38	Cost for repack sweep. Cost estimate includes sales tax. Please see attached Electronics Research, Inc. Quote #20180820-033.	\$3,355.44	N/A
Sub-total	\$419,490.00	\$306,165.47	N/A	\$108,406.79	N/A
Total for all systems	\$3,537,042.01	\$2,881,778.34	N/A	\$591,502.10	N/A

Components

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.

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description:	35% "upon mfg" for primary elbow complex. Explanation of Variance and supporting documentation attached. This invoice has been paid.
	Amount:	\$3,693.98
	Component Description:	15% "payment with order" for primary elbow complex. Explanation of Variance and supporting documentation attached. This invoice has been paid.
	Amount:	\$1,583.14

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	Component Description:	35% "upon mfg" for primary antenna. Explanation of Variance and supporting documentation attached. This invoice has been paid.
	Amount:	\$69,841.96
	Component Description:	15% "payment with order" for primary antenna. Explanation of Variance and supporting documentation attached. This invoice has been paid.
	Amount:	\$29,932.27

Sweep test of existing antenna

Component Description:

35% "upon mfg" for repack sweep of primary antenna operations. Explanation of Variance and supporting documentation attached. This invoice has been paid.

Amount:

\$2,348.81

Component Description:

15% "payment with order" for repack sweep of primary antenna operations. Explanation of Variance and supporting documentation attached. This invoice has been paid.

Amount:

\$1,006.63

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	\$347,982.00	\$246,595.86		\$119,192.75	
Sweep existing transmission line	<i>\$6,400.00</i>	\$6,400.00	N/A	\$0.00	N/A
Rigid Transmission Line - copper, 6 1/8"	\$341,582.00	\$240,195.86	Cost of main transmission line and dehydrator. Cost estimate includes sales tax. Please see attached Electronics Research, Inc. Quote #20180820-033. Please see attached Electronics Research, Inc. Quote #20190606-769.	\$119,192.75	N/A
Sub-total	\$347,982.00	\$246,595.86	N/A	\$119,192.75	N/A
Total for all systems	\$3,537,042.01	\$2,881,778.34	N/A	\$591,502.10	N/A

Components

Actual Information		
Description	File Name	
Sweep existing transmission line	Component Description:	Payment for sweep of current transmission line. Supporting documentation is attached. This invoice has been paid.
	Amount:	\$2,174.00
Rigid Transmission Line - copper, 6 1/8"	Component Description:	50% "payment with order" for additional transmission line. Supporting documentation is attached.
	Amount:	\$3,435.70
	Component Description:	35% "upon mfg" for dehydrator for primary antenna. Explanation of variance and supporting documentation attached. This invoice has been paid.
	Amount:	\$2,784.53

Component Description:	15% "payment with order" for primary transmission line. Explanation of variance and supporting documentation attached. This invoice has been paid.
Amount:	\$33,533.75

Component Description:	15% "payment with order" for dehydrator for primary antenna. Explanation of variance and supporting documentation attached. This invoice has been paid.
Amount:	\$1,193.38

Component Description:	35% "upon mfg" for primary transmission line. Explanation of variance and supporting documentation attached. This invoice has been paid.
Amount:	\$78,245.39

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	\$461,300.00	\$494,883.00		\$254,441.50	
GTOWER					
Structural analysis	<i>\$14,000.00</i>	\$14,000.00	N/A	\$14,000.00	N/A
Tower Helicopter Lift	<i>\$0.00</i>	\$0.00	Helicopter pick is included in tower rigging proposal.	N/A	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$454,728.00	Cost of tower services. Please see attached Electronics Research, Inc. Quote #20190320-013. Helicopter pick is included in tower rigging proposal.	\$227,364.00	N/A

Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$26,155.00	ERI	\$13,077.50	N/A
Primary Tower TOWER	\$214,500.00	\$87,714.00		\$41,857.00	
Structural analysis	\$4,000.00	\$4,000.00	American Tower	N/A	N/A
Tall Tower (greater than 500')	\$210,500.00	\$83,714.00	Cost of tower services. Please see attached Electronics Research, Inc. Quote #20190520-602.	\$41,857.00	N/A
Sub-total	\$675,800.00	\$582,597.00	N/A	\$296,298.50	N/A
Total for all systems	\$3,537,042.01	\$2,881,778.34	N/A	\$591,502.10	N/A

Components

Actual Information	
Description	File Name

Structural analysis	<div data-bbox="708 174 1362 405"> <p>Component Description: Cost for structural re-analysis. Supporting documentation is attached.</p> <p>Amount: \$2,500.00</p> </div> <div data-bbox="708 512 1362 831"> <p>Component Description: Cost for structural analysis. Supporting documentation is attached. This invoice has been paid.</p> <p>Amount: \$2,500.00</p> </div> <div data-bbox="708 936 1378 1361"> <p>Component Description: Cost for structural analysis and candleabra and top plate detail analysis. Supporting documentation is attached. This invoice has been paid.</p> <p>Amount: \$9,000.00</p> </div>
Tower Helicopter Lift	Information not provided.
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<div data-bbox="708 1576 1378 1848"> <p>Component Description: 50% "payment due with order" for tower services. Supporting documentation is attached.</p> <p>Amount: \$227,364.00</p> </div>

<p>Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study</p>	<table> <tr> <td data-bbox="710 168 1013 212">Component Description:</td><td data-bbox="1149 168 1380 526">50% "payment with order" for cost to provide and assist a survey company. Supporting documentation is attached. This invoice has been paid.</td></tr> <tr> <td data-bbox="710 526 821 571">Amount:</td><td data-bbox="1149 526 1268 571">\$8,352.50</td></tr> <tr> <td data-bbox="710 660 1013 705">Component Description:</td><td data-bbox="1149 660 1380 974">50% "payment with order" for tower mapping. Supporting documentation is attached. This invoice has been paid.</td></tr> <tr> <td data-bbox="710 974 821 1019">Amount:</td><td data-bbox="1149 974 1268 1019">\$4,725.00</td></tr> </table>	Component Description:	50% "payment with order" for cost to provide and assist a survey company. Supporting documentation is attached. This invoice has been paid.	Amount:	\$8,352.50	Component Description:	50% "payment with order" for tower mapping. Supporting documentation is attached. This invoice has been paid.	Amount:	\$4,725.00
Component Description:	50% "payment with order" for cost to provide and assist a survey company. Supporting documentation is attached. This invoice has been paid.								
Amount:	\$8,352.50								
Component Description:	50% "payment with order" for tower mapping. Supporting documentation is attached. This invoice has been paid.								
Amount:	\$4,725.00								
Structural analysis	Information not provided.								
Tall Tower (greater than 500')	<table> <tr> <td data-bbox="710 1220 1013 1265">Component Description:</td><td data-bbox="1149 1220 1380 1467">50% "payment due with order" for tower services. Supporting documentation is attached.</td></tr> <tr> <td data-bbox="710 1467 821 1512">Amount:</td><td data-bbox="1149 1467 1284 1512">\$41,857.00</td></tr> </table>	Component Description:	50% "payment due with order" for tower services. Supporting documentation is attached.	Amount:	\$41,857.00				
Component Description:	50% "payment due with order" for tower services. Supporting documentation is attached.								
Amount:	\$41,857.00								

Cost
Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$179,130.00	\$161,280.00		\$10,867.99	
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
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$10,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$4,742.99	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	\$1,500.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$2,625.00	N/A

Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	\$2,000.00	ION is only asking for reimbursement of invoice 241563 (with Cover Letter). Invoice 241222 is now in a different section of the form 399.
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$28,440.00	\$18,530.00	See AT Exhibits for more information.	N/A	N/A
Sub-total	\$179,130.00	\$161,280.00	N/A	\$10,867.99	N/A
Total for all systems	\$3,537,042.01	\$2,881,778.34	N/A	\$591,502.10	N/A

Components

Actual Information	
Description	File Name
RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.

Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<p>Component Description: Invoice for KSPX'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> <p>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.</p> <p>Amount: \$4,837.97</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

Component Description:

Cost of
engineering
consultant
preparation of
engineering
section of FCC
Form 2100. Hourly
supporting
documentation
attached. This
invoice has been
paid.

Amount:

\$1,500.00

Perform engineering study
for new channel
assignment and antenna
development

Component Description:

Cost of RF
consultant work for
new channel
assignment and
antenna
development for
post-repack
Channel 21.
Please see cover
letter and
supporting
documentation for
further context and
reference. This
invoice has been
paid.

Amount:

\$2,500.00

Component Description:

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

Amount:

\$62.50

Component Description:

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

Amount:

\$62.50

<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<table> <tr> <td data-bbox="708 174 1015 210">Component Description:</td><td data-bbox="1150 174 1374 645">Cost of engineering consultant work related to resolving KKPX Channel 14 interference issues. Hourly supporting documentation attached. This invoice has been paid.</td></tr> <tr> <td data-bbox="708 656 815 692">Amount:</td><td data-bbox="1150 656 1267 692">\$2,000.00</td></tr> <tr> <td data-bbox="708 792 1015 828">Component Description:</td><td data-bbox="1150 792 1374 1263">Cost of engineering consultant work related to resolving KKPX Channel 14 interference issues. Hourly supporting documentation attached. This invoice has been paid.</td></tr> <tr> <td data-bbox="708 1274 815 1310">Amount:</td><td data-bbox="1150 1274 1267 1310">\$2,500.00</td></tr> <tr> <td data-bbox="708 1411 1015 1447">Component Description:</td><td data-bbox="1150 1411 1374 1881">Cost of engineering consultant work related to resolving KKPX Channel 14 interference issues. Hourly supporting documentation attached. This invoice has been paid.</td></tr> <tr> <td data-bbox="708 1892 815 1928">Amount:</td><td data-bbox="1150 1892 1267 1928">\$2,000.00</td></tr> </table>	Component Description:	Cost of engineering consultant work related to resolving KKPX Channel 14 interference issues. Hourly supporting documentation attached. This invoice has been paid.	Amount:	\$2,000.00	Component Description:	Cost of engineering consultant work related to resolving KKPX Channel 14 interference issues. Hourly supporting documentation attached. This invoice has been paid.	Amount:	\$2,500.00	Component Description:	Cost of engineering consultant work related to resolving KKPX Channel 14 interference issues. Hourly supporting documentation attached. This invoice has been paid.	Amount:	\$2,000.00
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Amount:	\$2,500.00												
Component Description:	Cost of engineering consultant work related to resolving KKPX Channel 14 interference issues. Hourly supporting documentation attached. This invoice has been paid.												
Amount:	\$2,000.00												
<p>Prepare and or review reimbursement form</p>	<p>Information not provided.</p>												

Project management of the transition	Information not provided.
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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	\$276,167.50	\$268,602.50		\$0.00	
K20JX-D Zoning and Local Permits	<i>\$25,000.00</i>	\$25,000.00	See attached Cost Estimates for K20JX-D (Non-Repack Station). See KSPX Channel 21 Major Modification Construction Permit. See attached KSPX "Request for Waiver of Repack Reimbursement Restriction".	N/A	N/A
K20JX-D Transmitter and Associated Elements	<i>\$20,836.50</i>	\$20,836.50	See Cost Estimates for K20JX-D (Non-Repack Station), KSPX Channel 21 Major Modification Construction Permit, and Cost Estimates Transmitter for K20JX-D attachments. See attached KSPX "Request for Waiver of Repack Reimbursement Restriction".	N/A	N/A

K20JX-D Installation	\$10,000.00	\$10,000.00	See attached Cost Estimates for K20JX-D (Non-Repack Station). See KSPX Channel 21 Major Modification Construction Permit. See attached KSPX "Request for Waiver of Repack Reimbursement Restriction".	N/A	N/A
K20JX-D Antenna, Cabling and Associated Elements	\$11,651.00	\$11,651.00	See Cost Estimates for K20JX-D (Non- Repack Station), KSPX Channel 21 Major Modification Construction Permit, and Cost Estimates Antenna for K20JX-D attachments. See attached KSPX "Request for Waiver of Repack Reimbursement Restriction".	N/A	N/A

K20JX-D Engineering Consulting	\$15,000.00	\$15,000.00	See attached Cost Estimates for K20JX-D (Non-Repack Station). See KSPX Channel 21 Major Modification Construction Permit. See attached KSPX "Request for Waiver of Repack Reimbursement Restriction".	N/A	N/A
K20JX-D Antenna structure and construction	\$90,000.00	\$90,000.00	See attached Cost Estimates for K20JX-D (Non-Repack Station). See KSPX Channel 21 Major Modification Construction Permit. See attached KSPX "Request for Waiver of Repack Reimbursement Restriction".	N/A	N/A
K20JX-D Legal	\$15,000.00	\$15,000.00	See attached Cost Estimates for K20JX-D (Non-Repack Station). See KSPX Channel 21 Major Modification Construction Permit. See attached KSPX "Request for Waiver of Repack Reimbursement Restriction".	N/A	N/A

Develop and air announcement of upcoming channel change	\$0.00	\$0.00	The amount is yet to be determined (TBD) and ION will submit on-air announcement costs when finalized.	N/A	N/A
Equipment Storage	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$15,000.00	\$15,000.00	N/A	N/A	N/A
Non-zoning permits	\$15,000.00	\$15,000.00	N/A	N/A	N/A
Local Zoning	\$25,000.00	\$25,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$4,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$1,600.00	\$1,600.00	N/A	N/A	N/A

Sub-total	\$276,167.50	\$268,602.50	N/A	\$0.00	N/A
Total for all systems	\$3,537,042.01	\$2,881,778.34	N/A	\$591,502.10	N/A

Components

Information not provided.

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$3,537,042.01	\$2,881,778.34
			\$591,502.10

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. 	

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

<p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Mario Vasquez <i>Vice President - Finance, Operations</i></p> <p>08/06/2019</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 	

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

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Mario Vasquez <i>Vice President - Finance, Operations</i></p> <p>08/06/2019</p>

Attachments