



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **52628** | Service: **DTV** | Call **WPXK-TV** | Channel: **18 (UHF)** |  
ID: | Sign:  
File **0000028465**  
Number:  
FRN: **0001808468** | Date **07/03**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>ION MEDIA KNOXVILLE LICENSE, INC.</b> Doing Business As: ION MEDIA KNOXVILLE 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 #1052156 to ASR #1042631. Replace non-retunable transmitter, install side mount antenna and transmission line to operate on psst-repack channel.

**Transmitters**

Section	Question	Response
Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	DCX
	Year	2000
	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-U30
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	48.5 kW
	Justification for New Transmitter	See attached Transmitter Exhibits. See attached Transmitter Upgrade Disclaimer.

**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	500 kVA
	Rigid Conduit and Wiring	No
	Size	N/A

	Length	N/A
	Other Electrical Service	No
	Description	N/A
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	5 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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
<b>Removal of Existing Equipment</b>	Removal of existing transmitters and equipment / Site Prep
<b>RF Interconnect</b>	Interconnect between RF system and transmission line

**Antennas**

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

**Primary  
Antenna**

**Add Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	Americian Tower
	Site	N/A
	Is this antenna currently shared with any other stations?	Yes
	Is this antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	3
	Number of Panels	16
	Design power capacity in use	75.0 %
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	1000.0 kW

	Manufacturer	
	Model	TUDO5-16 /80H-2-B
	Year	2010

**Facility ID's and Call Signs of  
all stations with whom the  
antenna is shared.**

Facility ID	Call Sign
71082	WATE-TV
19200	WTNZ



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	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) .....	1000.0 kW
	Manufacturer	

Model	TFU-27 JSC /VP-R CT150
Year	2019
Justification for New Antenna	Current slot antenna cannot be re-channelled

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	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
<b>Elbow Complex</b>	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
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	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
<b>New Antenna Description</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
<b>New Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	3
	Number of Panels/Bays	16
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	75.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	250.0 kW
	Manufacturer	
	Model	TFU-WB-16
	Year	2017

	Justification for New Antenna	Final design of equip isn't complete, ION included estimates based on current understanding of design. 2 repack stations share equip, ION responsible for 50% of the costs assoc with shared equip. See AT and Shared Equipment Exhibits for more information.
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## Interim Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	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
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	B
	Feed Line Size	6 1/8 inches

<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	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
<b>Existing Transmission Line Description</b>	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	American Tower
	Site	N/A
	Is the existing transmission line shared with another station or stations?	Yes
	Is Transmission Line in operating condition?	Yes
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	2
	Length	1514 feet per run

**Facility ID's and Call Signs of all stations with whom the transmission line is shared.**

Facility ID	Call Sign
71082	WATE-TV
19200	WTNZ





Primary  
Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1480 feet per run
	Justification for New Transmission Line	See attached Dielectric Quote #800060CMZ-4.

Primary  
Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

**Tower  
Equipment  
And  
Rigging  
Costs**

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

**Primary  
Tower**

**Existing Tower**

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	1052156
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	36° 00' 12.8" N-
	Longitude (NAD83)	083° 56' 34.0" W-
	Overall Structure Height	1456.02 feet
	Support Structure Height	1332.99 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1393.03 feet

	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
	Tower Owner	SpectraSite Communications, LLC. through American Towers, LLC.
	Date Constructed	01/01/1955

**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
71082	WATE-TV	DTV
81317	WYLV	FM
19200	WTNZ	DTV
22014	WOFM	FM

**Primary  
Tower**

**Tower Rigging Costs**

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

**Primary  
Tower**

**Other Tower Expenses Not Listed**

Information not provided.

## 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?	Terrain Constrained
	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	1042631
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	36° 00' 19.0" N-
	Longitude (NAD83)	083° 56' 23.0" W-
	Overall Structure Height	1503.92 feet
	Support Structure Height	1417.96 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1345.13 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

	Tower Owner	WBIR-TV, LLC
	Date Constructed	01/01/1980

**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
69161	WUOT	FM
46984	WBIR-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	Terrain constrained
Helicopter Services Required	Are helicopter services required?	No

Primary  
Tower

Other Tower Expenses Not Listed

Name	Description
Structural Analysis	Structural analysis

**Outside  
Professional**

Section	Question	Response
<b>Services Costs Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	58
	Explanation	Required by Landlord, see attached AT Exhibit
<b>Outside RF consulting Engineering Services</b>	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
<b>Attorney and Other Outside Consulting Services</b>	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	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
<b>RF Field Engineering Services</b>	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 not provided.

## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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
<b>Permit and Filing Costs</b>	Local Zoning	Yes
	Non-zoning permits	Yes
	BLM or NFS Coordination	Yes
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
<b>Other Miscellaneous Expenses</b>	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
<b>Obtain building permits from local zoning authorities</b>	Obtain building permits from local zoning authorities (cost of preparation, submission, and prosecution of necessary forms or applications per customer)(See Services agreement)(if needed)
<b>Civil Engineering Services</b>	Civil engineering services

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-U30	\$1,591,650.00	\$1,112,947.00		\$807,248.00	
RF Interconnect	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
Removal of Existing Equipment	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
5 Ton system	\$20,250.00	\$25,217.00	Cost to replace HVAC at new transmitter location. Please see attached Perfection Group Quote #RC-419CEF.	\$6,304.00	N/A
Transformer 3 phase /480v - 500 KVA	\$48,400.00	\$46,000.00	N/A	\$7,560.00	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$991,730.00	See attached Hitachi Comark Quote #P3473PRLXU30-011818-R2.	\$793,384.00	N/A
Sub-total	\$1,591,650.00	\$1,112,947.00	N/A	\$807,248.00	N/A
Total for all systems	\$3,124,226.00	\$2,376,129.10	N/A	\$1,498,886.10	N/A

Components

Actual Information	
Description	File Name



UHF - Liquid Cooled Solid  
State Transmitter 35 - 50  
kW

**Component Description:**

30% "deposit"  
payment for  
Comark  
Transmitter.  
Supporting  
documentation  
attached.

**Amount:**

\$297,519.00

**Component Description:**

50% "progress"  
payment on  
Comark  
transmitter.  
Supporting  
documentation  
attached.

**Amount:**

\$495,865.00

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-16	\$76,680.00	\$68,375.00		\$0.00	
UHF - High Power, Side Mount, basic slot antenna, 16 bay,, 250 kW input, directional,, horizontally polarized	<i>\$56,250.00</i>	\$56,250.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$4,000.00	N/A	N/A	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$8,125.00	N/A	N/A	N/A
Primary Antenna TFU-27 JSC /VP-R CT150	\$208,092.00	\$204,360.00		\$183,924.00	

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$21,750.00	Cost for antenna mounting brackets. Please see attached Dielectric Quote #800060CMZ-4.	\$19,575.00	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,298.00	Cost of elbow complex kit. Please see Dielectric Quote #800060CMZ-4 attached.	\$9,268.20	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Cost of repack sweep. Please see Dielectric Quote #800060CMZ-4 attached.	\$5,760.00	N/A
UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, elliptically or circularly polarized	<b>\$165,912.00</b>	\$165,912.00	Cost for UHF side mount one station elliptically polarized antenna (Model TFU-27 JSC/VP-R CT150). VPol charges of \$21,750 not included in cost estimate. Please see Dielectric Quote #800060CMZ-4 attached.	\$149,320.80	N/A
<b>Sub-total</b>	<b>\$284,772.00</b>	<b>\$272,735.00</b>	N/A	<b>\$183,924.00</b>	N/A



<b>Total for all systems</b>	\$3,124,226.00	\$2,376,129.10	N/A	\$1,498,886.10	N/A
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## Components

Actual Information Description	File Name
UHF - High Power, Side Mount, basic slot antenna, 16 bay,, 250 kW input, directional,, horizontally polarized	Information not provided.
Sweep test of existing antenna	Information not provided.
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	<div> <div> <b>Component Description:</b> </div> <div> 25% "deposit" for antenna mounting brackets.  Explanation of Variance and supporting documentation attached. This invoice has been paid. </div> </div> <div> <div> <b>Amount:</b> </div> <div> \$5,437.50 </div> </div> <div> <div> <b>Component Description:</b> </div> <div> 65% "prior to ship" for antenna mounting brackets.  Explanation of Variance and supporting documentation attached. </div> </div> <div> <div> <b>Amount:</b> </div> <div> \$14,137.50 </div> </div>

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)		
	<b>Component Description:</b>	25% "deposit" for primary elbow complex. Explanation of Variance and supporting documentation attached. This invoice has been paid.
	<b>Amount:</b>	\$2,574.50
	<b>Component Description:</b>	65% "prior to ship" for primary elbow complex. Explanation of Variance and supporting documentation attached.
	<b>Amount:</b>	\$6,693.70

Sweep test of existing antenna	<div data-bbox="710 174 1356 604"> <p><b>Component Description:</b> 25% "deposit" for repack sweep of primary antenna operations. Explanation of Variance and supporting documentation attached. This invoice has been paid.</p> </div> <div data-bbox="710 616 1268 649"> <p><b>Amount:</b> \$1,600.00</p> </div> <div data-bbox="710 757 1369 1108"> <p><b>Component Description:</b> 65% "prior to ship" for repack sweep of primary antenna operations. Explanation of Variance and supporting documentation attached.</p> </div> <div data-bbox="710 1120 1268 1153"> <p><b>Amount:</b> \$4,160.00</p> </div>
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UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, elliptically or circularly polarized	<b>Component Description:</b>	25% "deposit" for primary antenna. Explanation of Variance and supporting documentation attached. This invoice has been paid.
	<b>Amount:</b>	\$41,478.00
	<b>Component Description:</b>	65% "prior to ship" for primary antenna. Explanation of Variance and supporting documentation attached.
	<b>Amount:</b>	\$107,842.80

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	\$298,960.00	\$189,177.10		\$179,251.11	
Rigid Transmission Line - copper, 6 1/8"	\$298,960.00	\$189,177.10	Cost of primary transmission line. Please see attached Dielectric Quote #800060CMZ-4.	\$179,251.11	N/A
Sub-total	\$298,960.00	\$189,177.10	N/A	\$179,251.11	N/A
Total for all systems	\$3,124,226.00	\$2,376,129.10	N/A	\$1,498,886.10	N/A

Components

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

**Component Description:**

25% "deposit" for  
primary  
transmission line /  
25% "deposit" for  
primary  
transmission lines  
additional cut  
pieces. Supporting  
documentation  
attached. This  
invoice has been  
paid.

**Amount:**

\$47,294.28

**Component Description:**

65% "prior to ship"  
for primary  
transmission line /  
65% "prior to ship"  
for primary  
transmission lines  
additional cut  
pieces. Supporting  
documentation  
attached.

**Amount:**

\$131,956.83

## 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 C Justifica
<b>Primary Tower GTOWER</b>	<b>\$210,500.00</b>	<b>\$125,000.00</b>		<b>\$20,000.00</b>	
Tall Tower (greater than 500')	\$210,500.00	\$125,000.00	See AT Exhibit for more information.	\$20,000.00	N/A
<b>Primary Tower TOWER</b>	<b>\$452,050.00</b>	<b>\$409,720.00</b>		<b>\$295,595.00</b>	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$396,500.00	Cost for tower rigging services. Please see Worldwide Communications Quote #S-19- 932 attached.	\$282,375.00	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$8,470.00	Cost of structural observation. Please see Tower Engineering Company Quote #20180727 attached.	\$8,470.00	N/A
Structural Analysis	<i>\$4,750.00</i>	\$4,750.00	Cost of structural analysis and report. Please see Tower Engineering Company Quote #20180727 attached.	\$4,750.00	N/A

<b>Sub-total</b>	\$662,550.00	\$534,720.00	N/A	\$315,595.00	N/A
<b>Total for all systems</b>	\$3,124,226.00	\$2,376,129.10	N/A	\$1,498,886.10	N/A

## Components

Actual Information Description	File Name
Tall Tower (greater than 500')	<p><b>Component Description:</b> 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.</p> <p><b>Amount:</b> \$20,000.00</p>
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<p><b>Component Description:</b> 75% payment (less \$20,000 deposit) for tower services. Supporting documentation is attached.</p> <p><b>Amount:</b> \$282,375.00</p>



<p>Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study</p>	<table> <tr> <td data-bbox="694 87 1093 448"><b>Component Description:</b></td><td data-bbox="1093 87 1426 448">Cost of structural observation. Supporting documentation is attached. This invoice has been paid.</td></tr> <tr> <td data-bbox="694 448 1093 546"><b>Amount:</b></td><td data-bbox="1093 448 1426 546">\$8,470.00</td></tr> </table>	<b>Component Description:</b>	Cost of structural observation. Supporting documentation is attached. This invoice has been paid.	<b>Amount:</b>	\$8,470.00				
<b>Component Description:</b>	Cost of structural observation. Supporting documentation is attached. This invoice has been paid.								
<b>Amount:</b>	\$8,470.00								
<p>Structural Analysis</p>	<table> <tr> <td data-bbox="694 546 1093 907"><b>Component Description:</b></td><td data-bbox="1093 546 1426 907">Cost of rigorous analysis. Supporting documentation is attached. This invoice has been paid.</td></tr> <tr> <td data-bbox="694 907 1093 1008"><b>Amount:</b></td><td data-bbox="1093 907 1426 1008">\$1,403.75</td></tr> <tr> <td data-bbox="694 1008 1093 1321"><b>Component Description:</b></td><td data-bbox="1093 1008 1426 1321">Cost for rigorous analysis. Supporting documentation is attached. This invoice has been paid.</td></tr> <tr> <td data-bbox="694 1321 1093 1413"><b>Amount:</b></td><td data-bbox="1093 1321 1426 1413">\$3,346.25</td></tr> </table>	<b>Component Description:</b>	Cost of rigorous analysis. Supporting documentation is attached. This invoice has been paid.	<b>Amount:</b>	\$1,403.75	<b>Component Description:</b>	Cost for rigorous analysis. Supporting documentation is attached. This invoice has been paid.	<b>Amount:</b>	\$3,346.25
<b>Component Description:</b>	Cost of rigorous analysis. Supporting documentation is attached. This invoice has been paid.								
<b>Amount:</b>	\$1,403.75								
<b>Component Description:</b>	Cost for rigorous analysis. Supporting documentation is attached. This invoice has been paid.								
<b>Amount:</b>	\$3,346.25								

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	\$166,164.00	\$155,485.00		\$6,367.99	
NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$4,742.99	N/A

Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,500.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$5,000.00	See AT Exhibits for more information.	\$125.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$9,164.00	\$8,735.00	See AT Exhibits for more information.	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$0.00	N/A
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
<b>Sub-total</b>	\$166,164.00	\$155,485.00	N/A	\$6,367.99	N/A
<b>Total for all systems</b>	\$3,124,226.00	\$2,376,129.10	N/A	\$1,498,886.10	N/A

## Components

Actual Information	
Description	File Name
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.

<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="710 168 1013 212"><b>Component Description:</b></td><td data-bbox="1149 168 1380 683"> <p>Invoice for WPXK'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> </td></tr> <tr> <td data-bbox="710 694 821 739"><b>Amount:</b></td><td data-bbox="1149 694 1268 739">\$4,742.99</td></tr> <tr> <td data-bbox="710 828 1013 873"><b>Component Description:</b></td><td data-bbox="1149 828 1380 1377"> <p>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> </td></tr> <tr> <td data-bbox="710 1388 821 1433"><b>Amount:</b></td><td data-bbox="1149 1388 1268 1433">\$4,837.97</td></tr> </table>	<b>Component Description:</b>	<p>Invoice for WPXK'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>	<b>Amount:</b>	\$4,742.99	<b>Component Description:</b>	<p>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>	<b>Amount:</b>	\$4,837.97
<b>Component Description:</b>	<p>Invoice for WPXK'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>								
<b>Amount:</b>	\$4,742.99								
<b>Component Description:</b>	<p>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>								
<b>Amount:</b>	\$4,837.97								
<p>Prepare request for Special Temporary Authorization</p>	<p>Information not provided.</p>								
<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<p>Information not provided.</p>								

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<p><b>Component Description:</b></p> <p>Cost of RF consultant preparation of engineering part of FCC Form 2100. Hourly supporting documentation attached. This invoice has been paid.</p> <p><b>Amount:</b></p> <p>\$1,500.00</p>
Perform engineering study for new channel assignment and antenna development	<p><b>Component Description:</b></p> <p>Cost of RF consultant work for new channel assignment and antenna development. Hourly supporting documentation attached. This invoice has been paid.</p> <p><b>Amount:</b></p> <p>\$62.50</p> <p><b>Component Description:</b></p> <p>Cost of RF consultant work for new channel assignment and antenna development. Hourly supporting documentation attached. This invoice has been paid.</p> <p><b>Amount:</b></p> <p>\$62.50</p>
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Project management of the transition	Information not provided.

Prepare and or review reimbursement form	Information not provided.
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.

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	\$120,130.00	\$111,065.00		\$6,500.00	
Civil Engineering Services	<i>\$6,500.00</i>	\$6,500.00	Cost for civil engineering services. Please see attached C&ME Proposal for Civil Design Services.	\$6,500.00	N/A
Obtain building permits from local zoning authorities	<i>\$750.00</i>	\$750.00	See AT Exhibits for more information.	N/A	N/A
MVPD Notification of Channel Change	<i>\$800.00</i>	\$800.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$0.00</i>	\$0.00	The amount is yet to be determined (TBD) and ION will submit on-air announcement costs when finalized.	N/A	N/A
Equipment Storage	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
Local Zoning	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A



FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$2,500.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<b>\$10,000.00</b>	\$10,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<b>\$15,000.00</b>	\$15,000.00	N/A	N/A	N/A
BLM or NFS Coordination	<b>\$25,000.00</b>	\$25,000.00	N/A	N/A	N/A
Non-zoning permits	<b>\$15,000.00</b>	\$15,000.00	N/A	N/A	N/A
<b>Sub-total</b>	\$120,130.00	\$111,065.00	N/A	\$6,500.00	N/A
<b>Total for all systems</b>	\$3,124,226.00	\$2,376,129.10	N/A	\$1,498,886.10	N/A

## Components

**Actual Information**  
**Description**

**File Name**

Civil Engineering Services	<p><b>Component Description:</b> Cost for civil engineering services. Supporting documentation is attached.</p> <p><b>Amount:</b> \$6,500.00</p>
Obtain building permits from local zoning authorities	Information not provided.
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.
Local Zoning	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
DTV Medical Facility Notification	Information not provided.
Equipment Delivery and Handling Charges	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
BLM or NFS Coordination	Information not provided.
Non-zoning permits	Information not provided.

**Cost  
Information**

**Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,124,226.00	\$2,376,129.10	\$1,498,886.10

**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"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> </ol>	

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><b>Mario Vasquez</b>  <i>Vice President - Finance, Operations</i></p> <p>07/03/2019</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"> <li>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.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

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><b>Mario Vasquez</b>  <i>Vice President - Finance, Operations</i></p> <p>07/03/2019</p>

## Attachments