



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **21726** | Service: **DTV** | Call **WPXX-TV** | Channel: **33 (UHF)** |  
ID: | Sign:  
File **0000028492**  
Number:  
FRN: **0030297451** | Date **04/20**  
Submitted: **/2018**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>ION MEDIA MEMPHIS LICENSE, INC.</b> Doing Business As: ION MEDIA MEMPHIS LICENSE, INC.	Michael Hubner 810 Seventh Avenue 31st Floor NEW YORK, NY 10019 United States	+1 (212) 603-8407	MichaelHubner@ionmedia.com	Corporation

## 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.		No
Briefly describe transition plan		Operate from current side mounted digital antenna while a new top mounted antenna is installed for post repack channel. Remove top mount analog antenna. Replace transmission line and non re-tuneable transmitter for operation on post repack channel.

**Transmitters**

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

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<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	2002
	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)	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**

**Existing 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	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
<b>Existing Antenna Manufacturer and Type</b>	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-28DSC-R04
Year	2002



Primary  
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	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) .....	537.0 kW
	Manufacturer	

Model	TFU-24JTH /VP-R-O6
Year	2017
Justification for New Antenna	See attached Antenna Exhibit

## 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?	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

**Primary  
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	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
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1110 feet per run

**Primary**  
**Transmission Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	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	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1110 feet per run
	Justification for New Transmission Line	See attached Antenna Exhibit.

**Primary**  
**Transmission Line**

**Other Transmission Line Expenses Not Listed**

Name	Description
<b>Sweep existing transmission line</b>	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**

**Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1043762
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	35° 12' 41.0" N-
	Longitude (NAD83)	089° 48' 54.0" W-
	Overall Structure Height	1069.54 feet
	Support Structure Height	1069.54 feet
	Ground Elevation Above Mean Sea Level (AMSL)	278.87 feet

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	ION MEDIA MEMPHIS LICENSE, INC.
	Date Constructed	01/01/1994

**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:	Major 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.



**Outside  
Professional Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	Do you require outside project management services?	No
	Number of Hours	N/A
	Explanation	N/A
<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	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
<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**

If wireless is not provided.

## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	Yes
	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	No
	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

<b>Other Expenses</b>	<b>Other Expenses Not Listed</b> Information not provided.
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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	\$1,591,650.00	\$1,251,355.00		\$247,465.00	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,136,105.00	See attached Rohde and Schwarz Transmitter Quote.	\$247,465.00	N/A
Transformer 3 phase /480v - 500 KVA	\$48,400.00	\$46,000.00	N/A	N/A	N/A
5 Ton system	\$20,250.00	\$19,250.00	See attached HVAC Exhibit.	N/A	N/A
Removal of Existing Equipment	\$25,000.00	\$25,000.00	N/A	N/A	N/A
RF Interconnect	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Sub-total	\$1,591,650.00	\$1,251,355.00	N/A	\$247,465.00	N/A
Total for all systems	\$3,032,080.00	\$2,494,731.00	N/A	\$705,873.18	N/A

Components

Actual Information Description	File Name
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UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	<p><b>Component Description:</b></p> <p>25% "down payment" for Rohde &amp; Schwarz transmitter. Supporting documentation attached. This invoice has been paid.</p> <p><b>Amount:</b></p> <p>\$247,465.00</p>
Transformer 3 phase/480v - 500 KVA	Information not provided.
5 Ton system	Information not provided.
Removal of Existing Equipment	Information not provided.
RF Interconnect	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
<b>Primary Antenna TFU-24JTH /VP-R-O6</b>	<b>\$308,530.00</b>	<b>\$211,292.00</b>		<b>\$171,789.84</b>	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$193,192.00	V-Pol cost not included in reimbursement request. See attached Dielectric quote and estimated cost for shipping and taxes exhibit.	\$151,193.70	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$11,700.00	N/A	\$14,836.14	Cost of actual primary elbow complex and actual primary flange greater than pre-determined and estimated costs.
<b>Sub-total</b>	<b>\$308,530.00</b>	<b>\$211,292.00</b>	N/A	<b>\$171,789.84</b>	N/A

<b>Total for all systems</b>	\$3,032,080.00	\$2,494,731.00	N/A	\$705,873.18	N/A
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## Components

Actual Information Description	File Name
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	<div> <div>Component Description:</div> <div>45% "down payment" for primary antenna. Supporting documentation attached. This invoice has been paid.</div> <div>Amount:</div> <div>\$75,596.85</div> </div> <div> <div>Component Description:</div> <div>45% "prior to ship" payment for primary antenna. Supporting documentation and explanation of variance attached. This invoice has been paid.</div> <div>Amount:</div> <div>\$75,596.85</div> </div>



<p>Sweep test of existing antenna</p>	<table> <tr> <td data-bbox="694 87 1093 638"> <p><b>Component Description:</b></p> </td><td data-bbox="1093 87 1426 638"> <p>45% "down payment" for repack sweep of primary operations. Supporting documentation attached. This invoice has been paid.</p> </td></tr> <tr> <td data-bbox="694 638 1093 705"> <p><b>Amount:</b></p> </td><td data-bbox="1093 638 1426 705"> <p>\$2,880.00</p> </td></tr> <tr> <td data-bbox="694 705 1093 1160"> <p><b>Component Description:</b></p> </td><td data-bbox="1093 705 1426 1160"> <p>45% "prior to ship" payment for repack sweep of primary operations. Supporting documentation and explanation of variance attached. This invoice has been paid.</p> </td></tr> <tr> <td data-bbox="694 1160 1093 1227"> <p><b>Amount:</b></p> </td><td data-bbox="1093 1160 1426 1227"> <p>\$2,880.00</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>45% "down payment" for repack sweep of primary operations. Supporting documentation attached. This invoice has been paid.</p>	<p><b>Amount:</b></p>	<p>\$2,880.00</p>	<p><b>Component Description:</b></p>	<p>45% "prior to ship" payment for repack sweep of primary operations. Supporting documentation and explanation of variance attached. This invoice has been paid.</p>	<p><b>Amount:</b></p>	<p>\$2,880.00</p>
<p><b>Component Description:</b></p>	<p>45% "down payment" for repack sweep of primary operations. Supporting documentation attached. This invoice has been paid.</p>								
<p><b>Amount:</b></p>	<p>\$2,880.00</p>								
<p><b>Component Description:</b></p>	<p>45% "prior to ship" payment for repack sweep of primary operations. Supporting documentation and explanation of variance attached. This invoice has been paid.</p>								
<p><b>Amount:</b></p>	<p>\$2,880.00</p>								
<p>Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)</p>	<table> <tr> <td data-bbox="694 1160 1093 1825"> <p><b>Component Description:</b></p> </td><td data-bbox="1093 1160 1426 1825"> <p>45% "prior to ship" payment for primary flange. In filing the Form 399, ION assumed the cost of the primary flange would be included in this category. Supporting documentation and explanation of variance attached. This invoice has been paid.</p> </td></tr> <tr> <td data-bbox="694 1825 1093 2134"> <p><b>Amount:</b></p> </td><td data-bbox="1093 1825 1426 2134"> <p>\$2,783.97</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>45% "prior to ship" payment for primary flange. In filing the Form 399, ION assumed the cost of the primary flange would be included in this category. Supporting documentation and explanation of variance attached. This invoice has been paid.</p>	<p><b>Amount:</b></p>	<p>\$2,783.97</p>				
<p><b>Component Description:</b></p>	<p>45% "prior to ship" payment for primary flange. In filing the Form 399, ION assumed the cost of the primary flange would be included in this category. Supporting documentation and explanation of variance attached. This invoice has been paid.</p>								
<p><b>Amount:</b></p>	<p>\$2,783.97</p>								

<b>Component Description:</b>	45% "down payment" for primary flange. In filing the Form 399, ION assumed the cost of the primary flange would be included in this category. Supporting documentation attached. This invoice has been paid.
<b>Amount:</b>	\$2,783.97

<b>Component Description:</b>	45% "down payment" for primary elbow complex. Supporting documentation attached. This invoice has been paid.
<b>Amount:</b>	\$4,634.10

<b>Component Description:</b>	45% "prior to ship" payment for primary elbow complex. Supporting documentation and explanation of variance attached. This invoice has been paid.
<b>Amount:</b>	\$4,634.10

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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	\$230,620.00	\$180,819.00		\$150,091.84	
Rigid Transmission Line - copper, 6 1/8"	\$224,220.00	\$174,419.00	See attached Dielectric Top Mount Antenna Quote and Estimated Costs for Shipping and Taxes exhibit.	\$150,091.84	N/A
Sweep existing transmission line	<i>\$6,400.00</i>	\$6,400.00	N/A	N/A	N/A
Sub-total	\$230,620.00	\$180,819.00	N/A	\$150,091.84	N/A
Total for all systems	\$3,032,080.00	\$2,494,731.00	N/A	\$705,873.18	N/A

Components

Actual Information Description	File Name
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Rigid Transmission Line - copper, 6 1/8"	<table> <tr> <td data-bbox="710 174 1013 208"><b>Component Description:</b></td><td data-bbox="1150 174 1374 566"> 45% "prior to ship" payment for primary transmission line. Supporting documentation and explanation of variance attached. This invoice has been paid. </td></tr> <tr> <td data-bbox="710 577 815 611"><b>Amount:</b></td><td data-bbox="1150 577 1283 611">\$75,045.92</td></tr> <tr> <td data-bbox="710 712 1013 745"><b>Component Description:</b></td><td data-bbox="1150 712 1353 1070"> 45% "down payment" for primary transmission line. Supporting documentation attached. This invoice has been paid. </td></tr> <tr> <td data-bbox="710 1081 815 1115"><b>Amount:</b></td><td data-bbox="1150 1081 1283 1115">\$75,045.92</td></tr> </table>	<b>Component Description:</b>	45% "prior to ship" payment for primary transmission line. Supporting documentation and explanation of variance attached. This invoice has been paid.	<b>Amount:</b>	\$75,045.92	<b>Component Description:</b>	45% "down payment" for primary transmission line. Supporting documentation attached. This invoice has been paid.	<b>Amount:</b>	\$75,045.92
<b>Component Description:</b>	45% "prior to ship" payment for primary transmission line. Supporting documentation and explanation of variance attached. This invoice has been paid.								
<b>Amount:</b>	\$75,045.92								
<b>Component Description:</b>	45% "down payment" for primary transmission line. Supporting documentation attached. This invoice has been paid.								
<b>Amount:</b>	\$75,045.92								
Sweep existing transmission line	Information not provided.								

Cost  
Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$644,100.00	\$612,000.00		\$134,964.00	
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	\$134,964.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	N/A	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	N/A	N/A
Sub-total	\$644,100.00	\$612,000.00	N/A	\$134,964.00	N/A
Total for all systems	\$3,032,080.00	\$2,494,731.00	N/A	\$705,873.18	N/A

Components

Actual Information	
Description	File Name

Tall Tower (greater than 500')	<div data-bbox="710 174 1380 526"> <p><b>Component Description:</b> 10% "deposit" for tower service. Cost breakdown and supporting documentation attached. This invoice has been paid.</p> <p><b>Amount:</b> \$17,995.20</p> </div> <div data-bbox="710 633 1380 1146"> <p><b>Component Description:</b> Per reviewer's request, this invoice has been corrected. It is a 65% "mobilization" payment for tower service. Cost breakdown and corrected supporting documentation attached.</p> <p><b>Amount:</b> \$116,968.80</p> </div>
Major tower reinforcement /modifications	Information not provided.
Structural engineering tower load study for well documented tower	Information not provided.

## 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
<b>Outside Professional Services</b>	<b>\$161,210.00</b>	<b>\$152,750.00</b>		<b>\$1,562.50</b>	
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	\$0.00	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



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
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$62.50	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
<b>Sub-total</b>	\$161,210.00	\$152,750.00	N/A	\$1,562.50	N/A
<b>Total for all systems</b>	\$3,032,080.00	\$2,494,731.00	N/A	\$705,873.18	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	<div> <div> <b>Component Description:</b> </div> <div> 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. </div> </div> <div> <b>Amount:</b> </div> <div> \$4,837.97 </div>

Prepare request for Special Temporary Authorization	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Prepare and or review reimbursement form	Information not provided.
Perform engineering study for new channel assignment and antenna development	<div> <div> <b>Component Description:</b> </div> <div> Cost of engineering study for new channel assignment and antenna development. Hourly supporting documentation attached. This invoice has been paid. </div> </div> <div> <b>Amount:</b> </div> <div> \$62.50 </div>
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<div> <div> <b>Component Description:</b> </div> <div> Cost of engineering consultant to prepare exhibits for FCC Form 2100 Construction Permit. Hourly supporting documentation attached. This invoice has been paid. </div> </div> <div> <b>Amount:</b> </div> <div> \$1,500.00 </div>

## 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
<b>Other Expenses</b>	<b>\$95,970.00</b>	<b>\$86,515.00</b>		<b>\$0.00</b>	
MVPD Notification of Channel Change	<i>\$1,000.00</i>	\$1,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$15,000.00</i>	\$15,000.00	N/A	N/A	N/A
Non-zoning permits	<i>\$15,000.00</i>	\$15,000.00	N/A	N/A	N/A
Local Zoning	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
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

AM Pattern Disturbance -- Impact study	\$7,890.00	\$7,500.00	As required per the Construction Permit Authorization's Waivers /Special Conditions, a proof of performance study shall be conducted to establish that the AM array (WOWW) has not been adversely affected.	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$2,500.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
<b>Sub-total</b>	\$95,970.00	\$86,515.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$3,032,080.00	\$2,494,731.00	N/A	\$705,873.18	N/A

## Components

Information not provided.

<b>Cost Information</b>	<b>Grand Total</b>			
		<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>	<b>Actual Cost</b>
	<b>Total for all systems</b>	\$3,032,080.00	\$2,494,731.00	\$705,873.18

<b>Reimbursement Status</b>	<b>Question</b>	<b>Response</b>
	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>04/20/2018</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>04/20/2018</p>

## Attachments