



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **23337** | Service: **DTV** | Call **WBNG-TV** | Channel:  
ID: | Sign:  
**8 (High VHF)** | File **0000027464**  
Number:  
FRN: **0025018029** | Date **12/18**  
Submitted: **/2019**

## Applicant Information Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>WBNG LICENSE, LLC</b> Doing Business As: WBNG LICENSE, LLC	Brady Dreasler P.O. BOX 909 QUINCY, IL 62306 United States	+1 (217) 223-5100	bdreasler@quincyinc. com	Limited Liability Company

## Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

## Preparer Contact Name and Information

Applicant	Address	Phone	Email
<b>Tony zumMallen</b> <i>QCommunications, LLC</i>	Tony zumMallen 705B SE Melody LN #314 Lees Summit, MO 64063 United States	+1 (816) 729- 1177	tony@qcom1. com

**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	To transition from ch 7 to ch 8. Analysis has indicated that the antenna will work but the lines will require modification. A new transmitter will be needed. A new interim transmission system is needed to provide service during the transition.

**Transmitters**

Section	Question	Response
<b>Transmitter Related Expenses</b>	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	Platinum
	Year	2006
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	8.0 kW

**Primary Transmitter**

**New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	VAXTE -12 R44
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	9.6 kW
	Justification for New Transmitter	Existing transmitter is not tunable to new channel.

**Primary Transmitter**

**Other Transmitter Costs**

Section	Question	Response
<b>Electrical Service</b>	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	200.0 feet
	Other Electrical Service	No

	Description	N/A
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	25 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**

<b>Name</b>	<b>Description</b>
<b>Sales Tax</b>	sales tax required
<b>Disconnect existing Transmitter</b>	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.
<b>Transmitter - Training</b>	Transmitter training - offsite - 1 week in duration at mfg site.
<b>Site Survey - TX</b>	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.
<b>Security - Site</b>	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.

**Interim  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	VAXTE-6R44
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	4.4 kW
	Justification for New Transmitter	Interim facility is required to avoid prolonged period of station silence during transition, and station currently has no aux facility to use for interim operation. Extended silent period during transition to new channel is unreasonable.

**Interim  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
<b>Electrical Service</b>	Service Entrance (3 phases 800A 208V)	No

	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	200.0 feet
	Other Electrical Service	No
	Description	N/A
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	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
<b>Inside RF System</b>	Is an additional interior RF system required to support this interim transmitter?	Yes

**Interim Transmitter**

**Other Transmitter Cost Not Listed**

Name	Description
SALES TAX FRO EQ	SALES TAX FOR EQ

**Antennas**

Section	Question	Response
<b>Antenna Related Expenses</b>	Do you have antenna related expenses?	Yes

**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?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
<b>New Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Other
	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	Omni- Directional
	ERP: (Effective Radiated Power)	15.0 kW



Manufacturer	
Model	THV-7
Year	2017
Justification for New Antenna	Interim facility is required to avoid prolonged period of station silence during transition, and station currently has no aux facility to use for interim operation. Extended silent period during transition to new channel is unreasonable.

**Interim Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	B
	Feed Line Size	3 1/8 inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an 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?	Yes
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

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**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?

**Primary Transmission Line**  
**Existing Transmission Line**

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	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	Dielectric
	Type	Rigid
	Diameter	3 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1063 feet per run

**Primary  
Transmission  
Line**

**Other Transmission Line Expenses Not Listed**

<b>Name</b>	<b>Description</b>
<b>Disconnect existing Interior RF components</b>	Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.
<b>Line Refurbishment</b>	Field Report -Resonant Results LTD -It is recommended that the bullets, insulators and watch band springs be replaced from the 3 to 7 adapter and the 23 additional line sections towards the antenna.

**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	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	1016566
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	42° 03' 31.0" N-
	Longitude (NAD83)	075° 57' 05.0" W-
	Overall Structure Height	789.03 feet
	Support Structure Height	705.04 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1765.07 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	WBNG Television, Inc.
Date Constructed	08/01/1987

**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**

Name	Description
<b>Tower Modifications</b>	May require tower modifications. Awaiting tower study. Not available at time of submission.
<b>Tower Structural</b>	Structural analysis of tower

**Outside Professional Services Costs**

Section	Question	Response
<p><b>Outside Project Management Services</b></p>	<p>Do you require outside project management services?</p>	<p>Yes</p>
	<p>Number of Hours</p>	<p>389</p>
	<p>Explanation</p>	<p>Scope &amp; significance of project (QMI has multiple stations repacked) require outside management services to augment existing internal personnel to assist turnkey management of and ensure timely and safe execution of channel relocation.</p>
<p><b>Outside RF consulting Engineering Services</b></p>	<p>Perform engineering study for new channel assignment and antenna development</p>	<p>Yes</p>
	<p>Prepare engineering section of Form FCC Construction Permit Application</p>	<p>Yes</p>
	<p>For Auxiliary Facility</p>	<p>No</p>
	<p>For Main Facility</p>	<p>Yes</p>
	<p>Prepare engineering section of Form FCC License to Cover Application</p>	<p>Yes</p>
	<p>For Auxiliary Facility</p>	<p>No</p>
	<p>For Main Facility</p>	<p>Yes</p>

	Prepare request for Special Temporary Authority	Yes
	Quantity	4
	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	4
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	No
	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	No
Additional Field Engineering Service	No
Number of Days	N/A
Justification	N/A

**Outside  
Professional  
Services  
Costs**

**Other Professional Services Expenses Not Listed**

Name	Description
<b>PM-reimbursable travel expenses</b>	PM travel expenses to and from the station for Repack work accounted for in quote QC-17011
<b>Quarterly reporting</b>	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.
<b>General Legal</b>	General legal counseling for the repack project

**Other Expenses**

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	Yes
	Is Remediation needed?	Yes
<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	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	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**

Information not provided.

**Cost Information**

**Transmitters**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Interim Transmitter VAXTE-6R44</b>	<b>\$287,646.72</b>	<b>\$274,146.72</b>		<b>\$137,617.27</b>	
SALES TAX FRO EQ	<i>\$12,846.72</i>	\$12,846.72	SALES TAX EST PER Q-73715 AND INV BOTH UPLOADED	\$4,282.24	N/A
High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW	\$152,500.00	\$145,000.00	N/A	\$131,392.53	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$1,942.50	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	N/A	N/A
VHF inside RF system including switching	\$78,900.00	\$75,000.00	N/A	N/A	N/A
<b>Primary Transmitter VAXTE -12 R44</b>	<b>\$601,744.59</b>	<b>\$576,144.59</b>		<b>\$257,829.37</b>	

Security - Site	<i>\$17,500.00</i>	\$17,500.00	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.	N/A	N/A
Site Survey - TX	<i>\$22,000.00</i>	\$22,000.00	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.	\$7,000.00	N/A
Transmitter - Training	<i>\$3,300.00</i>	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A	N/A
25 Ton system	\$91,500.00	\$87,000.00	N/A	N/A	N/A
High VHF - Air Cooled Solid State Transmitter 6.5 . 12.5 kW	\$331,500.00	\$315,000.00	N/A	\$227,491.90	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	N/A	N/A

Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$14,711.78	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	\$1,510.83	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	N/A	N/A
Sales Tax	<b>\$21,344.59</b>	\$21,344.59	sales tax est by mfg	\$7,114.86	N/A
Disconnect existing Transmitter	<b>\$20,000.00</b>	\$20,000.00	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	N/A	N/A
<b>Sub-total</b>	\$889,391.31	\$850,291.31	N/A	\$395,446.64	N/A
<b>Total for all systems</b>	\$1,870,515.31	\$1,974,958.31	N/A	\$1,049,047.70	N/A

## Components

Actual Information	
Description	File Name
SALES TAX FRO EQ	<p><b>Component Description:</b> WBNG-GATES INTERIM TX-SALES TAX PER Q-73715 AND INV EST. UPLAODED</p> <p><b>Amount:</b> \$4,282.24</p>

High VHF - Air Cooled Solid  
State Transmitter 1.1 . 4.4  
kW

**Component Description:** Lines A, B, D on  
Invoice  
GO10004794-2.  
See attached  
cover matrix.  
**Amount:** \$48,895.41

**Component Description:** Lines A, B on Inv  
US0324213.  
Interim TX.  
**Amount:** \$29,616.63

**Component Description:** WBNG-GATES-  
INTERIM TX-  
LINE AB AND D Q-  
73715  
**Amount:** \$52,880.49

Switchgear - industrial 800  
amp

**Component Description:** Line C only on  
Invoice  
GO10004794-2.  
See attached  
cover matrix.  
**Amount:** \$647.50

**Component Description:** Line C only on  
Invoice  
US0324213. See  
attached cover  
matrix.  
**Amount:** \$647.50

**Component Description:** WBNG- GATES-  
INTERIM TX -  
ELEC- LINE C OF  
Q-73715  
UPLOADED  
**Amount:** \$647.50

2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
VHF inside RF system including switching	Information not provided.
Security - Site	Information not provided.
Site Survey - TX	<p><b>Component Description:</b> WBNG-SURVEY- INV-QC18-026</p> <p><b>Amount:</b> \$7,000.00</p>
Transmitter - Training	Information not provided.
25 Ton system	Information not provided.
High VHF - Air Cooled Solid State Transmitter 6.5 . 12.5 kW	<p><b>Component Description:</b> Lines A, B of attached INV US0324214.</p> <p><b>Amount:</b> \$60,435.36</p> <p><b>Component Description:</b> Lines A,B,E only. WBNG - Main Tx - INV GO10004795- 2. See cover invoice matrix</p> <p><b>Amount:</b> \$83,528.27</p> <p><b>Component Description:</b> WBNG-GATES- MAIN - TX - 1st inv lines A B and E per Q-73717</p> <p><b>Amount:</b> \$83,528.27</p>
Service entrance 3 phase /800 amp/208 volt	Information not provided.



Switchgear - industrial 800 amp	<p><b>Component Description:</b> Line C only on INV US0324214. See cover matrix</p> <p><b>Amount:</b> \$4,903.92</p>
	<p><b>Component Description:</b> Line C only of Invoice GO10004795-2.</p> <p><b>Amount:</b> \$4,903.93</p>
	<p><b>Component Description:</b> WBNG - Gates-TX - Main - RF - 1st inv - per line C of Q-73717</p> <p><b>Amount:</b> \$4,903.93</p>
Transformer 3 phase/480v - 300 KVA	<p><b>Component Description:</b> Line D only on Invoice US0324214</p> <p><b>Amount:</b> \$503.61</p>
	<p><b>Component Description:</b> Line D only on Invoice GO10004795-2. See cover matrix.</p> <p><b>Amount:</b> \$503.61</p>
	<p><b>Component Description:</b> WBNG-MAIN-TX-INV - Elec - Line D per Q-73717</p> <p><b>Amount:</b> \$503.61</p>
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

Sales Tax	<b>Component Description:</b> WBNG-Gates- Main TX-sales tax inv per quote Q- 73717 <b>Amount:</b> \$7,114.86
Disconnect existing Transmitter	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>Interim Antenna THV-7</b>	<b>\$251,480.00</b>	<b>\$222,280.00</b>		<b>\$186,725.70</b>	
High VHF - High Power Side Mount One Station elliptically or circularly polarized	<i>\$207,000.00</i>	\$207,000.00	Cost of interim antenna not sure why the catalog of costs did not automatically add standardized pricing.	\$180,882.45	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$2,880.00	UPLOAD DIELECTRIC ORDER COMF #4530001 both INVOICE MAN000 and 000
Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	\$9,340.00	\$8,880.00	N/A	\$2,963.25	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$0.00	NOT NEEDED IN THE NEW CONFIGURATION.	N/A	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$0.00	NOT NEEDED FOR NEW CONFIGURATION.	N/A	N/A
<b>Sub-total</b>	\$251,480.00	\$222,280.00	N/A	\$186,725.70	N/A
<b>Total for all systems</b>	\$1,870,515.31	\$1,974,958.31	N/A	\$1,049,047.70	N/A

## Components

### Actual Information

Description	File Name
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<p>High VHF - High Power Side Mount One Station elliptically or circularly polarized</p>	<p><b>Component Description:</b> INTERIM ANT-WBNG-35% DUE 11.1- LINES 1,3,4, AND 6 4-2 UPLOADED ORDER CONF AND UPGRADE COVER</p> <p><b>Amount:</b> \$140,686.35</p>
	<p><b>Component Description:</b> INTERIM ANT-WBNG-10% DEPOSIT LINES- 1,3,4 and 6 4-2 UPLOADED ORDER CONF AND UPGRADE COVER</p> <p><b>Amount:</b> \$40,196.10</p>
<p>Sweep test of existing antenna</p>	<p><b>Component Description:</b> SWEEP INTERIM ANT-WBNG-10 DEPOSIT- LINE 25 - 4-2 UPLOADED ORDER CONF AND UPGRADE COVER</p> <p><b>Amount:</b> \$640.00</p>
	<p><b>Component Description:</b> LINE 25 -SWEEP 35% WBNG INV MAN00090 4-2 UPLOADED ORDER CONF AND UPGRADE COVER 4-13- corrected inv date</p> <p><b>Amount:</b> \$2,240.00</p>

<p>Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)</p>	<p><b>Component Description:</b> LINE 5 ELBOW-WBNG-35% INV MAN00090 4-2 UPLOADED ORDER CONF AND UPGRADE COVER</p> <p><b>Amount:</b> \$2,304.75</p>
<p></p>	<p><b>Component Description:</b> ELBOW-WBNG-INTERIM-ANT-10% -LINE 5 4-2 UPLOADED ORDER CONF AND UPGRADE COVER LETTER 4-13-corrected due date</p> <p><b>Amount:</b> \$658.50</p>
<p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>
<p>Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>

**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
<b>Primary Transmission Line</b>	<b>\$57,840.00</b>	<b>\$57,840.00</b>		<b>\$0.00</b>	
Disconnect existing Interior RF components	<i>\$12,500.00</i>	\$12,500.00	Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.	N/A	N/A
Line Refurbishment	<i>\$45,340.00</i>	\$45,340.00	Required work on transmission line, Per Resonant Results Ltd field Report dated 3/14 /17.	\$0.00	N/A
<b>Sub-total</b>	<b>\$57,840.00</b>	<b>\$57,840.00</b>	N/A	<b>\$0.00</b>	N/A
<b>Total for all systems</b>	<b>\$1,870,515.31</b>	<b>\$1,974,958.31</b>	N/A	<b>\$1,049,047.70</b>	N/A

**Components**

Actual Information	
Description	File Name
Disconnect existing Interior RF components	Information not provided.

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Line Refurbishment

**Component Description:** REFURB LINE -  
WBNG - PCI INV  
2OF3  
**Amount:** \$13,920.00

**Component Description:** LINE REFURB-  
PCI-INV 1OF3  
**Amount:** \$17,495.00

**Component Description:** LINE REFURB-  
WBNG-PCI INV  
3OF3  
**Amount:** \$8,925.00

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**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
<b>Primary Tower TOWER</b>	<b>\$363,500.00</b>	<b>\$549,750.00</b>		<b>\$399,750.00</b>	
Tall Tower (greater than 500')	\$210,500.00	\$396,750.00	Actual's exceeded predetermined estimate. Per actual invoice which includes tower rigging PLUS modifications. INV 7732, PO 20868	\$396,750.00	Per actual invoice which includes tower rigging PLUS modifications INV 7732, PO 20868
Tower Structural	<i>\$3,000.00</i>	\$3,000.00	Tower structural for revisions required to move to new channel.	\$3,000.00	N/A
Tower Modifications	<i>\$150,000.00</i>	\$150,000.00	Minor Tower reinforcement /modifications, may be necessary. Awaiting tower study finding not available at time of submittal.	\$0.00	N/A
<b>Sub-total</b>	<b>\$363,500.00</b>	<b>\$549,750.00</b>	N/A	<b>\$399,750.00</b>	N/A
<b>Total for all systems</b>	<b>\$1,870,515.31</b>	<b>\$1,974,958.31</b>	N/A	<b>\$1,049,047.70</b>	N/A

**Components**

Actual Information	
Description	File Name
Tall Tower (greater than 500')	<p><b>Component Description:</b> Invoice includes rigging PLUS tower modifications. PCI - INV 7732 - PO 20868</p> <p><b>Amount:</b> \$396,750.00</p>
Tower Structural	<p><b>Component Description:</b> WBNG- PJ FORD _ TOWER STRUCTURAL ANALYSIS _ INV -200174 and PO 19970</p> <p><b>Amount:</b> \$3,000.00</p>
Tower Modifications	<p><b>Component Description:</b> Weather days for tower modification work. INV 7733 Proposal 19325-5; Terms &amp; Conditions line 2(a)</p> <p><b>Amount:</b> \$24,500.00</p>

**Cost Information**

**Outside Professional Services**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Outside Professional Services</b>	<b>\$215,674.00</b>	<b>\$204,212.00</b>		<b>\$67,125.36</b>	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$3,991.22	N/A
General Legal	<i>\$5,000.00</i>	\$5,000.00	General legal counseling for the repack project	\$3,111.51	N/A
PM-reimbursable travel expenses	<i>\$9,612.00</i>	\$9,612.00	Repack work requires the PM to travel to and from the station as part of the PM responsibilities. The expenses are identified in the PM quote - QC-17011.	\$3,500.13	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$14,720.00	\$14,000.00	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//
Prepare request for Special Temporary Authorization	\$8,200.00	\$6,000.00	N/A	N/A	N//
Project management of the transition	\$61,462.00	\$58,350.00	N/A	\$46,987.50	N//
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N//
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N//
Quarterly reporting	<b><i>\$7,500.00</i></b>	\$7,500.00	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.	N/A	N//

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$7,800.00	WBNG · ANTEI SYSTEM HAS ALF BEE PERFOF AND VERIFIC. TEST I NEW C WAS RL CONF WORK PERFOF CORREI WE UN BUDGE THIS LIN \$80
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,735.00	N//
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N//
<b>Sub-total</b>	\$215,674.00	\$204,212.00	N/A	\$67,125.36	N//
<b>Total for all systems</b>	\$1,870,515.31	\$1,974,958.31	N/A	\$1,049,047.70	N//

## Components

Actual Information	
Description	File Name

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application

**Component Description:** ATTY FEES MAY17-WBNG  
**Amount:** \$453.00

**Component Description:** ATTY FEE CP - WBNG- SEPT17  
**Amount:** \$94.00

**Component Description:** ATTY FEES - WBNG-AUGUST 17  
**Amount:** \$235.00

**Component Description:** WBNG-ATTY FEES - JUNE 17  
**Amount:** \$359.00

**Component Description:** WBNG-BROOKS INV 3949053-JAN18  
**Amount:** \$742.50

**Component Description:** WBNG-ATTY FEES CP - JULY 17  
**Amount:** \$1,564.00

**Component Description:** ATTY FEE- CP- APRIL17  
**Amount:** \$543.72

General Legal

**Component Description:** 11-1-19 - WBNG - Brooks - Gen legal Jan '18 - INV 3949059 See cover sheet for breakdown.  
**Amount:** \$35.36

**Component Description:** General Repack  
Legal Service for  
period ending  
October 31, 2017.  
INV 3945578  
\$322.29 is WBNG  
portion of total  
invoice. See cover  
sheet for  
breakdown.

**Amount:** \$322.29

**Component Description:** General Repack  
Legal services for  
period ending April  
30, 2018. INV  
3952584 \$28.29 is  
WBNG portion of  
total invoice

**Amount:** \$28.29

**Component Description:** General Repack  
Legal Services for  
period ending  
November 30, 2017.  
INV 3946865  
\$221.57 is WBNG  
portion of total  
invoice

**Amount:** \$221.57

**Component Description:** General Repack  
Legal Services for  
period ending March  
31, 2018. INV  
3951201 \$28.28 is  
WBNG portion of  
total invoice

**Amount:** \$28.28

**Component Description:** General Repack  
Legal Services for  
period ending  
August 31, 2017.  
INV 3943365.  
\$117.86 is WBNG  
portion of total  
invoice. See cover  
sheet for  
breakdown.

**Amount:** \$117.86

**Component Description:** 11-1-19 WBNG -  
Brooks - Gen Legal  
- Feb '18 - see cover  
sheet for breakdown

**Amount:** \$28.28

**Component Description:** General Repack  
legal services for  
period ending July  
31, 2017. INV  
3942230. \$275.00 is  
WBNG portion of  
total invoice.

**Amount:** \$275.00

**Component Description:** General Repack  
Legal Services for  
period ending June  
30, 2017 INV  
3941325 \$266.44 is  
WBNG portion of  
total invoice amount

**Amount:** \$266.44



**Component Description:** General Repack  
Legal Services for  
period ending  
December 31, 2017.  
INV 3947925 \$40.28  
is WBNG portion of  
total invoice

**Amount:** \$40.28

**Component Description:** General Repack  
legal services for  
period ending May  
31, 2017 \$190.86 is  
WBNG portion of  
total invoice. See  
cover sheet for  
breakdown.

**Amount:** \$190.86

**Component Description:** WBNG-BROOKS-  
FEB19-INV 3964370

**Amount:** \$208.00

**Component Description:** WBNG-BROOKS-  
MAR18 -INV  
3951195

**Amount:** \$99.00

**Component Description:** WBNG-BROOKS-  
APR180  
INV3952578

**Amount:** \$594.00

**Component Description:** WBNG-BROOKS  
JULY18-INV  
3955731

**Amount:** \$99.00

	<p><b>Component Description:</b> WBNG-BROOKS-MAY18 INV-3953758</p> <p><b>Amount:</b> \$99.00</p>
	<p><b>Component Description:</b> WBNG-BROOKS-JAN19 INV 3962865</p> <p><b>Amount:</b> \$260.00</p>
	<p><b>Component Description:</b> WBNG BROOKS AUG18 INV 3957118</p> <p><b>Amount:</b> \$198.00</p>
PM-reimbursable travel expenses	<p><b>Component Description:</b> WBNG-QCOMM-PM INV QC17-150 ITEMS 1010-1015</p> <p><b>Amount:</b> \$3,500.13</p>
Comprehensive coverage verification via field study, if needed	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Prepare request for Special Temporary Authorization	Information not provided.

Project management of the transition	<p><b>Component Description:</b> WBNG-QCOMM-PM-INV QC17-149 ITEM 4004</p> <p><b>Amount:</b> \$12,675.00</p> <p><b>Component Description:</b> WBNG-PM - 8THRU12-18 INV - QC18-024</p> <p><b>Amount:</b> \$15,165.00</p> <p><b>Component Description:</b> WBNG- PM AUG-DEC18 - INV QC19-022</p> <p><b>Amount:</b> \$8,437.50</p> <p><b>Component Description:</b> WBNG-PM-1THRU3-18 - INV QC18-052</p> <p><b>Amount:</b> \$7,350.00</p> <p><b>Component Description:</b> WBNG - QCOMM - PM - APRIL-JULY18 INV QC18-064</p> <p><b>Amount:</b> \$3,360.00</p>
Prepare and or review reimbursement form	Information not provided.
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Quarterly reporting	Information not provided.

<p>Perform engineering study for new channel assignment and antenna development</p>	<p><b>Component Description:</b>  <b>Amount:</b></p>	<p>WBNG- ENGR NEW CHANNEL ASSIGNMENT INV \$2,100.00</p>
	<p><b>Component Description:</b>  <b>Amount:</b></p>	<p>ENGR-TEST AT SITE ON REFURBED LINE FOR CHANNEL 8 CONFIRMATION. \$3,000.00</p>
	<p><b>Component Description:</b>  <b>Amount:</b></p>	<p>PRE FIELD TEST OF ANT SYS FOR CH 7 AND 8. \$2,700.00</p>
<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<p><b>Component Description:</b> <b>Amount:</b></p>	<p>WBNG- CP APP-INV \$1,735.00</p>
<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<p>Information not provided.</p>	

**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>\$92,630.00</b>	<b>\$90,585.00</b>		<b>\$0.00</b>	
MVPD Notification of Channel Change	<i>\$7,500.00</i>	\$7,500.00	Required FCC notification.	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$15,000.00</i>	\$15,000.00	Required FCC announcements and good will public relations must we upheld. The production airing and disseminating of these announcements are fundamental to our operations.	N/A	N/A
Equipment Storage	<i>\$10,000.00</i>	\$10,000.00	Expecting multiple staggered equipment deliveries from different vendors and need to store and stage new equipment prior to installation date. Anticipate from 6-24 months of storage time.	N/A	N/A
AM Pattern Disturbance -- Impact study	\$7,890.00	\$7,500.00	N/A	N/A	N/A

AM Pattern Disturbance -- Remedy	\$21,050.00	\$20,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	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
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$10,000.00</i>	\$10,000.00	Rent 40 yard dumpster with multiple pickups. Estimated 6-months on site. Potential hazardous waste management issues.	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$8,000.00</i>	\$8,000.00	Transport, forklift rental and handling fees from staging area to transmitter site.	N/A	N/A
<b>Sub-total</b>	\$92,630.00	\$90,585.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$1,870,515.31	\$1,974,958.31	N/A	\$1,049,047.70	N/A

## **Components**

Information not provided.

**Cost Information** **Grand Total**

	<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>	<b>Actual Cost</b>
<b>Total for all systems</b>	\$1,870,515.31	\$1,974,958.31	\$1,049,047.70

**Reimbursement Status**

<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
	<b>Submission of Estimated Expenses Statements</b>	<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.

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

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

**BRADY  
DREASLER**  
*CORPORATE  
DIRECTOR  
OF  
ENGINEERING*

12/18/2019

Certification	Section	Question	Response
	<p><b>Submission of Actual Cost Documentation Statements</b></p>	<p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p>	
		<ol style="list-style-type: none"> <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.

8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

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

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

**BRADY  
DREASLER**  
*CORPORATE  
DIRECTOR  
OF  
ENGINEERING*

12/18/2019

## Attachments