



(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 **03/25**
Submitted: **/2020**

Applicant Information Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WBNG LICENSE, LLC 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
Tony zumMallen <i>QCommunications,</i> <i>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
Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	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
New Transmitter	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
Electrical Service	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
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	25 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Sales Tax	sales tax required
Site Survey - TX	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.
Transmitter - Training	Transmitter training - offsite - 1 week in duration at mfg site.
Hot Exhaust Piping	Hot exhaust piping re-routing due to the new location for transmitter due to repack activities.
Security - Site	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.

Disconnect existing Transmitter	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.
Modifications to TX building	Required modifications to transmitter building due to the removal of existing equipment in preparation for installation of new equipment.

**Interim
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	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	4.8 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. Gates lowest kW

**Interim
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	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
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	Yes

Interim Transmitter

Other Transmitter Cost Not Listed

Name	Description
SALES TAX FOR EQ	SALES TAX FOR EQ

Antennas

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

**Interim
Antenna****New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	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
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	B
	Feed Line Size	3 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

**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

Name	Description
Disconnect existing Interior RF components	Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.
Line Refurbishment	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
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	No

Primary Tower

Other Tower Expenses Not Listed

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

Outside Professional Services Costs

Section	Question	Response
<p>Outside Project Management Services</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 & 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>Outside RF consulting Engineering Services</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
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	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	
RF Field Engineering Services	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
General Legal	General legal counseling for the repack project
PM-reimbursable travel expenses	PM travel expenses to and from the station for Repack work accounted for in quote QC-17011
Quarterly reporting	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.
Survey	Survey for replacement of transmitter building

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	Yes
	Is Remediation needed?	Yes
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	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
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

**Other
Expenses**

Other Expenses Not Listed

Information not provided.

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmitter VAXTE-6R44	\$381,452.45	\$275,832.94		\$137,617.26	
SALES TAX FOR EQ	<i>\$8,564.48</i>	\$8,564.48	Estimated sales tax.	N/A	N/A
High VHF - Air Cooled Solid State Transmitter 4.8 kW	<i>\$93,805.73</i>	\$93,805.73	Actual amount remaining on PO.	\$78,512.04	Actual invoice amounts
VHF inside RF system including switching	\$78,900.00	\$75,000.00	N/A	N/A	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$1,942.49	N/A
High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW	\$152,500.00	\$52,880.49	***System Notice: Estimate adjusted and locked because line has been superseded. ***	\$52,880.49	N/A

SALES TAX FRO EQ	<i>\$4,282.24</i>	\$4,282.24	***System Notice: Estimate adjusted and locked because line has been superseded. ***SALES TAX EST PER Q- 73715 AND INV BOTH UPLOADED	\$4,282.24	N/A
Primary Transmitter VAXTE -12 R44	\$631,410.40	\$605,810.40		\$263,679.36	
Modifications to TX building	<i>\$23,815.81</i>	\$23,815.81	Required modifications to interior of transmitter building to prepare for new equipment.	\$0.00	N/A
Disconnect existing Transmitter	<i>\$20,000.00</i>	\$20,000.00	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	N/A	N/A

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
Hot Exhaust Piping	<i>\$5,850.00</i>	\$5,850.00	Costs necessary to re-route exhaust ductwork due to the new location of the transmitter.	\$5,850.00	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
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
Sales Tax	<i>\$21,344.59</i>	\$21,344.59	sales tax est by mfg	\$7,114.86	N/A
25 Ton system	\$91,500.00	\$87,000.00	N/A	N/A	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	\$1,510.82	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	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
Sub-total	\$1,012,862.85	\$881,643.34	N/A	\$401,296.62	N/A
Total for all systems	\$2,093,010.10	\$2,106,133.59	N/A	\$1,188,978.52	N/A

Components

Actual Information	
Description	File Name
SALES TAX FOR EQ	Information not provided.

<p>High VHF - Air Cooled Solid State Transmitter 4.8 kW</p>	<p>Component Description: Per reviewer instructions - resubmitted on new line for interim transmitter. Lines A, B on Inv US0324213.</p> <p>Amount: \$29,616.63</p> <p>Component Description: Per reviewer's instructions - resubmitted on new transmitter line. Lines A, B, D on invoice GO10004794-2. See attached matrix.</p> <p>Amount: \$48,895.41</p>
<p>VHF inside RF system including switching</p>	<p>Information not provided.</p>
<p>2" Rigid Conduit and Wiring (Cost per foot)</p>	<p>Information not provided.</p>

Switchgear - industrial 800 amp	Component Description:	Line D only on Invoice US0324213. See attached cover matrix.
	Amount:	\$647.50
	Component Description:	Line C only on Invoice GO10004794-2. See attached cover matrix.
	Amount:	\$647.49
	Component Description:	WBNG- GATES- INTERIM TX - ELEC- LINE C OF Q-73715 UPLOADED
	Amount:	\$647.50
High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW	Component Description:	Lines A, B on Inv US0324213. Interim TX.
	Amount:	N/A
	Component Description:	WBNG-GATES- INTERIM TX- LINE AB AND D Q- 73715
	Amount:	\$52,880.49
	Component Description:	Lines A, B, D on Invoice GO10004794-2. See attached cover matrix.
	Amount:	N/A

SALES TAX FRO EQ	<p>Component Description: WBNG-GATES INTERIM TX-SALES TAX PER Q-73715 AND INV EST. UPLAODED</p> <p>Amount: \$4,282.24</p>
Modifications to TX building	<p>Component Description: Modifications necessary to prepare building for new equipment. See cover letter for explanation. Wm H. Lane INV 18-1131-1</p> <p>Amount: \$23,815.81</p>
Disconnect existing Transmitter	Information not provided.
Securirty - Site	Information not provided.
Hot Exhaust Piping	<p>Component Description: WBNG - Picciano - reroute exhaust piping - INV 10161. Note: The actual vendor name is Louis N. Picciano & Son, Inc. Since the tool doesn't allow special characters, "and" was substituted for "&".</p> <p>Amount: \$5,850.00</p>
Transmitter - Training	Information not provided.

Site Survey - TX	<p>Component Description: WBNG-SURVEY-INV-QC18-026</p> <p>Amount: \$7,000.00</p>
Sales Tax	<p>Component Description: WBNG-Gates-Main TX-sales tax inv per quote Q-73717</p> <p>Amount: \$7,114.86</p>
25 Ton system	Information not provided.
Service entrance 3 phase /800 amp/208 volt	Information not provided.
Switchgear - industrial 800 amp	<p>Component Description: Line C only on INV US0324214. See cover matrix</p> <p>Amount: \$4,903.92</p> <p>Component Description: Line C only of Invoice GO10004795-2.</p> <p>Amount: \$4,903.93</p> <p>Component Description: WBNG - Gates-TX - Main - RF - 1st inv - per line C of Q-73717</p> <p>Amount: \$4,903.93</p>

Transformer 3 phase/480v - 300 KVA	<p>Component Description: Line D only on Invoice US0324214</p> <p>Amount: \$503.61</p>
<p>Component Description: Line D only on Invoice GO10004795-2. See cover matrix.</p> <p>Amount: \$503.60</p>	
<p>Component Description: WBNG-MAIN-TX- INV - Elec - Line D per Q-73717</p> <p>Amount: \$503.61</p>	
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

High VHF - Air Cooled Solid
State Transmitter 6.5 . 12.5
kW

Component Description: Lines A, B of
attached INV
US0324214.
Amount: \$60,435.36

Component Description: Lines A,B,E only.
WBNG - Main Tx -
INV GO10004795-
2. See cover
invoice matrix
Amount: \$83,528.27

Component Description: 3/25/20 this
component zeroed
out and moved to
new lline under
Primary tx.
Prepare
transmitter building
for installation of tx
equipment. Wm H
Lane Inv 18-1131-
1; PO 20405
Amount: N/A

Component Description: WBNG-GATES-
MAIN - TX - 1st inv
lines A B and E
per Q-73717
Amount: \$83,528.27

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 THV-7	\$348,113.25	\$318,913.25		\$309,476.54	
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
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
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

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
High VHF - High Power Side Mount One Station elliptically or circularly polarized	\$303,633.25	\$303,633.25	Cost of interim antenna not sure why the catalog of costs did not automatically add standardized pricing.	\$303,633.29	The actual costs were from invoices from Dielectric. See attached invoices quotes and POs for breakdown.
Sub-total	\$348,113.25	\$318,913.25	N/A	\$309,476.54	N/A
Total for all systems	\$2,093,010.10	\$2,106,133.59	N/A	\$1,188,978.52	N/A

Components

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

Sweep test of existing antenna

Component Description:

SWEEP INTERIM
ANT-WBNG-10
DEPOSIT- LINE 25
- 4-2 UPLOADED
ORDER CONF
AND UPGRADE
COVER

Amount:

\$640.00

Component Description:

LINE 25 -SWEEP
35% WBNG INV
MAN00090 4-2
UPLOADED
ORDER CONF
AND UPGRADE
COVER 4-13-
corrected inv date

Amount:

\$2,240.00

High VHF - High Power
Side Mount One Station
elliptically or circularly
polarized

Component Description:

Request for lines 1,
3, 4 only. Line 2 is
for VPOL, and is
not part of this
requested
reimbursement.
INV 594002 - PO
19973

Amount:

\$122,750.84

Component Description:

INTERIM ANT-
WBNG-35% DUE
11.1- LINES 1,3,4,
AND 6 4-2
UPLOADED
ORDER CONF
AND UPGRADE
COVER

Amount:

\$140,686.35

Component Description:

INTERIM ANT-
WBNG-10%
DEPOSIT LINES-
1,3,4 and 6 4-2
UPLOADED
ORDER CONF
AND UPGRADE
COVER

Amount:

\$40,196.10

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	\$57,840.00	\$57,840.00		\$0.00	
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
Sub-total	\$57,840.00	\$57,840.00	N/A	\$0.00	N/A
Total for all systems	\$2,093,010.10	\$2,106,133.59	N/A	\$1,188,978.52	N/A

Components

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

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

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	\$363,500.00	\$549,750.00		\$399,750.00	
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
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
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
Sub-total	\$363,500.00	\$549,750.00	N/A	\$399,750.00	N/A
Total for all systems	\$2,093,010.10	\$2,106,133.59	N/A	\$1,188,978.52	N/A

Components

Actual Information**Description****File Name**

Tower Modifications

Component Description: WBNG Tower Engineering - Delta invoice #1.

Amount: \$11,795.32

Component Description: Tower engineering, Delta invoice#2

Amount: \$4,656.74

Component Description: Tower Engineering - Delta inv #3

Amount: \$26,142.80

Component Description: Tower Engineering - Delta Invoice #4

Amount: \$1,289.46

Component Description: WBNG - Asbestos Monitoring due to repack activities. Delta - INV 2018.304.001-1; PO 20375

Amount: \$2,653.40

Component Description: Weather days for tower modification work. INV 7733 Proposal 19325-5; Terms & Conditions line 2 (a). See attached cover letter and addendums.

Amount: \$24,500.00

Tower Structural	<p data-bbox="707 174 1015 210">Component Description:</p> <p data-bbox="1145 174 1362 405">WBNG- PJ FORD _ TOWER STRUCTURAL ANALYSIS _ INV -200174 and PO 19970</p> <p data-bbox="707 416 818 452">Amount:</p> <p data-bbox="1145 416 1267 452">\$3,000.00</p>
Tall Tower (greater than 500')	<p data-bbox="707 591 1015 627">Component Description:</p> <p data-bbox="1145 591 1378 779">Invoice includes rigging PLUS tower modifications. PCI - INV 7732 - PO 20868</p> <p data-bbox="707 790 818 826">Amount:</p> <p data-bbox="1145 790 1299 826">\$396,750.00</p>

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$218,064.00	\$207,402.00		\$71,255.36	
Quarterly reporting	<i>\$7,500.00</i>	\$7,500.00	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.	N/A	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
General Legal	<i>\$5,000.00</i>	\$5,000.00	General legal counseling for the repack project	\$4,851.51	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/
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$3,991.22	N/
Prepare request for Special Temporary Authorization	\$8,200.00	\$6,000.00	N/A	N/A	N/
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,735.00	N/
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,800.00	Actual costs per invoices.	\$7,800.00	WBNG - ANTEI SYSTEM HAS ALF BEE PERFOR AND VERIFIC. TEST I NEW C WAS RL CONF WORK PERFOR CORREI WE UN BUDGE THIS LIN \$80
Project management of the transition	\$61,462.00	\$58,350.00	N/A	\$46,987.50	N//
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N//
Survey	\$2,390.00	\$2,390.00	Actual costs for survey & mapping for replacement transmitter building.	\$2,390.00	N//
Sub-total	\$218,064.00	\$207,402.00	N/A	\$71,255.36	N//
Total for all systems	\$2,093,010.10	\$2,106,133.59	N/A	\$1,188,978.52	N//

Components

Actual Information	
Description	File Name
Quarterly reporting	Information not provided.

PM-reimbursable travel expenses	Component Description:	WBNG-QCOMM- PM INV QC17-150 ITEMS 1010-1015
	Amount:	\$3,500.13
General Legal	Component Description:	Brooks Repack Legal Services for period ending Nov , 2018; INV 3960717
	Amount:	\$49.50
	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: Brooks Repack
Legal Services
Period ending Oct
31, 2018 INV
3959628
Amount: \$297.00

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
August 31, 2017.
INV 3943365.
\$117.86 is WBNG
portion of total
invoice. See cover
sheet for
breakdown.
Amount: \$117.86

Component Description: Brooks Repack
Legal Services
period ending Dec.
2018; INV 3961872
Amount: \$49.50

Component Description: Brooks Repack
Legal Services
period ending Nov,
2017; INV 3946859
Amount: \$47.00

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: Brooks Repack Legal Services, period ending Apr 30, '19; INV 3966160

Amount: \$156.00

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: Repack Legal Services Period ending Oct 31, 2017 INV 3945572

Amount: \$235.00

Component Description: Brooks Repack Legal Services Period ending Dec 31, 2017. INV 3947919

Amount: \$282.00

Component Description: Brooks Legal
Repack Services,
period ending June
30, '19; INV 3968511
Amount: \$156.00

Component Description: Brooks Repack
Legal Services
period ending Oct
31, 2019; INV
3974479
Amount: \$156.00

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: WBNG-BROOKS-
APR180
INV3952578
Amount: \$594.00

Component Description: WBNG-BROOKS-
MAR18 -INV
3951195
Amount: \$99.00

Component Description: WBNG-BROOKS-
JAN19 INV 3962865
Amount: \$260.00

Component Description: WBNG BROOKS
AUG18 INV 3957118
Amount: \$198.00

Component Description: WBNG-BROOKS
JULY18-INV
3955731
Amount: \$99.00

Component Description: 11-1-19 WBNG -
Brooks - Gen Legal
- Feb '18 - see cover
sheet for breakdown
Amount: \$28.28

Component Description: Brooks - Legal July
'19 - INV 3970198
Amount: \$312.00

Component Description: WBNG-BROOKS-
FEB19-INV 3964370
Amount: \$208.00

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: WBNG-BROOKS-
MAY18 INV-
3953758
Amount: \$99.00

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

<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<p>Component Description: WBNG-BROOKS INV 3949053-JAN18 Amount: \$742.50</p>
<p></p>	<p>Component Description: ATTY FEES MAY17-WBNG Amount: \$453.00</p>
<p></p>	<p>Component Description: ATTY FEE CP - WBNG- SEPT17 Amount: \$94.00</p>
<p></p>	<p>Component Description: ATTY FEES - WBNG-AUGUST 17 Amount: \$235.00</p>
<p></p>	<p>Component Description: WBNG-ATTY FEES - JUNE 17 Amount: \$359.00</p>
<p></p>	<p>Component Description: ATTY FEE- CP- APRIL17 Amount: \$543.72</p>
<p></p>	<p>Component Description: WBNG-ATTY FEES CP - JULY 17 Amount: \$1,564.00</p>
<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	<table> <tr> <td>Component Description:</td> <td>WBNG- CP APP-INV</td> </tr> <tr> <td>Amount:</td> <td>\$1,735.00</td> </tr> </table>	Component Description:	WBNG- CP APP-INV	Amount:	\$1,735.00								
Component Description:	WBNG- CP APP-INV												
Amount:	\$1,735.00												
Prepare and or review reimbursement form	Information not provided.												
Perform engineering study for new channel assignment and antenna development	<table> <tr> <td>Component Description:</td> <td>PRE FIELD TEST OF ANT SYS FOR CH 7 AND 8.</td> </tr> <tr> <td>Amount:</td> <td>\$2,700.00</td> </tr> <tr> <td>Component Description:</td> <td>WBNG- ENGR NEW CHANNEL ASSIGNMENT INV</td> </tr> <tr> <td>Amount:</td> <td>\$2,100.00</td> </tr> <tr> <td>Component Description:</td> <td>ENGR-TEST AT SITE ON REFURBED LINE FOR CHANNEL 8 CONFIRMATION.</td> </tr> <tr> <td>Amount:</td> <td>\$3,000.00</td> </tr> </table>	Component Description:	PRE FIELD TEST OF ANT SYS FOR CH 7 AND 8.	Amount:	\$2,700.00	Component Description:	WBNG- ENGR NEW CHANNEL ASSIGNMENT INV	Amount:	\$2,100.00	Component Description:	ENGR-TEST AT SITE ON REFURBED LINE FOR CHANNEL 8 CONFIRMATION.	Amount:	\$3,000.00
Component Description:	PRE FIELD TEST OF ANT SYS FOR CH 7 AND 8.												
Amount:	\$2,700.00												
Component Description:	WBNG- ENGR NEW CHANNEL ASSIGNMENT INV												
Amount:	\$2,100.00												
Component Description:	ENGR-TEST AT SITE ON REFURBED LINE FOR CHANNEL 8 CONFIRMATION.												
Amount:	\$3,000.00												

Project management of the transition	<p>Component Description: WBNG - QCOMM - PM - APRIL-JULY18 INV QC18-064</p> <p>Amount: \$3,360.00</p> <p>Component Description: WBNG- PM AUG-DEC18 - INV QC19-022</p> <p>Amount: \$8,437.50</p> <p>Component Description: WBNG-PM-1THRU3-18 - INV QC18-052</p> <p>Amount: \$7,350.00</p> <p>Component Description: WBNG-PM - 8THRU12-18 INV - QC18-024</p> <p>Amount: \$15,165.00</p> <p>Component Description: WBNG-QCOMM-PM-INV QC17-149 ITEM 4004</p> <p>Amount: \$12,675.00</p>
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Survey	<p>Component Description: Costs for survey for new transmitter building. INV 3586 - PO 20638</p> <p>Amount: \$2,390.00</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
Other Expenses	\$92,630.00	\$90,585.00		\$7,200.00	
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
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

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
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.	\$7,200.00	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
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
Sub-total	\$92,630.00	\$90,585.00	N/A	\$7,200.00	N/A
Total for all systems	\$2,093,010.10	\$2,106,133.59	N/A	\$1,188,978.52	N/A

Components

Actual Information Description	File Name
AM Pattern Disturbance -- Impact study	Information not provided.
AM Pattern Disturbance -- Remedy	Information not provided.
DTV Medical Facility Notification	Information not provided.
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	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.

Equipment Storage

Component Description: 4th Qtr 2019
Equipment Storage
fee. Not requesting
reimbursement for
\$200 late fee.
NOTE: Actual
vendor name is
Casey's Garage,
but tool does not
allow for the " ' ' ".

Amount: \$1,800.00

Component Description: 3rd Quarter
Equipment storage
fees - Casey's
Garage - INV 1031.
NOTE: Actual
name of vendor is
Casey's Garage,
but tool would not
allow the " ' ' ".

Amount: \$1,800.00

Component Description: 2nd quarter
equipment storage
fees - INV 1028 -
NOTE: Actual
vendor name is
Casey's Garage
but the tool would
not allow the " ' ' ".

Amount: \$1,800.00

Component Description: 1st Quarter 2019 -
Equipment Storage
Fees - INV 1025
NOTE: Actual
vendor name is
Casey's Garage,
but tool would not
allow the " ' ' ".

Amount: \$1,800.00

Equipment Delivery and Handling Charges	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.

Cost Information **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,093,010.10	\$2,106,133.59	\$1,188,978.52

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

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

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

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

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

03/25/2020

Certification	Section	Question	Response
	<p>Submission of Actual Cost Documentation Statements</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"> 1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 	

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

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

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

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

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

03/25/2020

Attachments