

Federal Communications Commission

5	(REFERENCE CO	JPY - Not for SU	ibmissior	ר)	
	FCC Form	399:			
	Reimburse	ement Re	ques	t	
	Facility 23337	Service: DTV	Call	WBNG-TV	Channel:
	ID:		Sign:		
	8 (High VHF)	ile 0000	027464		
	Ν	lumber:			
	FRN: 0018223693	Date	03/24		
		Submitted:	/2020		

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Applicant Name, Type, and Contact Information

Applicant Information

on	• • •		-	_	Applicant
	Applicant	Address	Phone	Email	Туре
	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
		Sidles			

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Ontact Name and Information

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

Broadcaster	Question	Response
Information and Transition Plan	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.	Νο
	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	Existing Transmitter Information				
ransmitter	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			
	Manufacturer and Type	Model	Platinum		
		Year	2006		
		Туре	Solid State		
		Solid State Cooling	Air Cooled		
		Solid State Power Capacity	8.0 kW		

Existing Transmitter Information

Primary	New Transmitter Costs					
Transmitter	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	Other Transmitter Costs					
Transmitter	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
	Туре	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 leashold 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	Other Transmitter Cost Not Listed				
Transmitter	Name	Description			
	Disconnect existing Transmitter	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.			
	Securirty - Site	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.			
	Transmitter - Training	Transmitter training - offsite - 1 week in duration at mfg site.			
	Site Survey - TX	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.			
	Sales Tax	sales tax required			

Interim	New Transmitter Costs				
Transmitter	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	Other Transmitter Costs			
Transmitter	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
	Туре	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 leashold 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	
		Туре	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 channe is unreasonabl

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?	В	
		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	

Other Antenna Costs

InterimOther Antenna Cost Not ListedAntennaInformation not provided.

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Existing Transmission Line Primary Existing Transmission

sior	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
		Туре	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 Other Transmission Line Expenses Not Listed

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

marv	Existing	Tower
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Primary	Existing Tower					
Tower	Section	Question	Response			
	Existing Tower Description	Type of change	Move Equipment			
		Tower Use	Move Equipment Primary (Main) N/A Owned No No No No N/A			
		Description of Use	N/A			
		Ownership	Owned			
		Type of change Move Equipme 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 Op you have a tower registration number? Yes ASR Number 1016566 ASR Number 31.0" N- Longitude (NAD83) 075° 57' 05.0" W- Overall Structure Height 789.03 fettee				
			No			
			N/A			
	Others Types of Users	Others Types of Users	N/A			
		Is tower documented for structural analysis?	Yes			
		Is tower compliant with Rev G?	Move EquipmentPrimary (Main)N/AOwnedNoN/AN/AYesNoYes101656642° 03' 31.0" N-075° 57' 05.0" W-789.03 feet705.04 feet			
	Existing Tower Structure	Do you have a tower registration number?	Yes			
	Registration	ASR Number	Move Equipment Primary (Main) N/A Owned No N/A N/A N/A Yes 1016566 42° 03' 31.0" N- 075° 57' 05.0" W- 789.03 feet 705.04 feet			
	Coordinates (NAD83 (North American Datum of	Latitude (NAD83)				
	1983))	Longitude (NAD83)				
		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

Tower Rigging Costs Primary Tower

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

Outside Professional	Section	Question	Response				
	Services Costs Outside Project Management Services	Do you require outside project management services?	Yes				
		Number of Hours	389				
		Explanation	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.				
	Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes				
		Prepare engineering section of Form FCC Construction Permit Application	Yes				
		For Auxiliary Facility	No				
		For Main Facility	Yes				
		Prepare engineering section of Form FCC License to Cover Application	Yes				
		For Auxiliary Facility	No				
		For Main Facility	Yes				

	Prepare request for Special Temporary Authority	Yes
	Quantity	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	Prepare and file Form FCC Construction Permit Application	Yes
Services	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 Other Professional Services Expenses Not Listed Professional Services Costs Description

al Services Costs	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	Section	Question	Response			
Expenses	AM Pattern Disturbance	Is an Impact Study needed?	Yes			
		Is Remediation needed?	Yes			
	Facility Expenses	Name	N/A			
		Is an Impact Study needed? Yes Is Remediation needed? Yes				
		Name	N/A			
			Yes			
	Permit and Filing Costs	Local Zoning	YesN/AN/AN/AYesNoNoYes			
		Non-zoning permits	No			
		Is an Impact Study needed?YesIs Remediation needed?YesIs Remediation needed?YesNameN/AOther Distributed Transmission System Expenses Not listedN/ANameN/AIs Notification of a Medical Facility required as a result of DTV broadcasting?YesLocal ZoningNoNon-zoning permitsNoBLM or NFS CoordinationNoFCC Construction Permit Minor ChangeYesFCC License to Cover ApplicationYesFCC Special Temporary Authority ApplicationYesDoes this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?YesDoes this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?YesDoes this relocation require Equipment Storage?YesDoes this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?Yes				
		FCC Construction Permit Minor Change	Yes			
		FCC Construction Permit Minor Change Yes FCC License to Cover Application Yes				
			Yes			
	Other Miscellaneous Expenses	Disposal Costs (for equipment and other	Yes			
		Delivery or Handling Charges not otherwise	Yes			
		Is Remediation needed?YesIs Remediation needed?N/ANameN/AOther Distributed Transmission System Expenses Not listedN/ANameN/AIs Notification of a Medical Facility required as a result of DTV broadcasting?YesLocal ZoningNoNon-zoning permitsNoBLM or NFS CoordinationNoFCC Construction Permit Minor ChangeYesFCC License to Cover ApplicationYesFCC Special Temporary Authority ApplicationYesDoes this relocation require paying 				
			Development and Airing of an Announcement regarding an upcoming	Yes		
		-	Yes			

Other Expenses Not Listed

Expenses Information not provided.

Transmitters

Cost Information

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 FRO EQ	\$4,282.24	\$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
SALES TAX FOR EQ	\$8,564.48	\$8,564.48	Estimated sales tax.	N/A	N/A
High VHF - Air Cooled Solid State Transmitter 4.8 kW	\$93,805.73	\$93,805.73	Actual amount remaining on PO.	\$78,512.04	Actual invoice amounts
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

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
Primary Transmitter VAXTE -12 R44	\$601,744.59	\$576,144.59		\$281,645.17	
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
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$14,711.78	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	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	\$251,307.71	N/A
25 Ton	\$91,500.00	\$87,000.00	N/A	N/A	N/A

Disconnect existing Transmitter	\$20,000.00	\$20,000.00	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	N/A	N/A
Transmitter - Training	\$3,300.00	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A	N/A
Securirty - Site	\$17,500.00	\$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
Sales Tax	\$21,344.59	\$21,344.59	sales tax est by mfg	\$7,114.86	N/A
Site Survey - TX	\$22,000.00	\$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

Sub-total	\$983,197.04	\$851,977.53	N/A	\$419,262.43	N/A
Total for all systems	\$2,063,344.29	\$2,076,467.78	N/A	\$1,206,944.33	N/A

Actual Information Description	File Name	
SALES TAX FRO EQ	Component Description: Amount:	WBNG-GATES INTERIM TX- SALES TAX PER Q-73715 AND INV EST. UPLAODED \$4,282.24
SALES TAX FOR EQ	Information not provided.	
High VHF - Air Cooled Solid State Transmitter 4.8 kW	Component Description:	Per reviewer instructions - resubmitted on new line for interim transmitter. Lines A, B on Inv US0324213. \$29,616.63
	Component Description:	Per reviewer's instructions - resubmitted on new transmitter line. Lines A, B, D on invoice GO10004794-2. See attached matrix. \$48,895.41

High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW	Component Description: Amount:	Lines A, B, D on Invoice GO10004794-2. See attached cover matrix. N/A
	Component Description: Amount:	WBNG-GATES- INTERIM TX- LINE AB AND D Q- 73715 \$52,880.49
	Component Description: Amount:	Lines A, B on Inv US0324213. Interim TX. N/A
VHF inside RF system including switching	Information not provided.	
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

Switchgear - industrial 800 amp		Line D and
	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
	Amount:	UPLOADED \$647.50
		ψ0 - 7.30
Transformer 3 phase/480v - 300 KVA	Component Description:	Line D only on
	component Description.	Invoice US0324214
	Amount:	\$503.61
	Component Description:	Line D only on
		Invoice
		GO10004795-2.
		See cover matrix.
	Amount:	\$503.60
	Component Description:	WBNG-MAIN-TX-
		INV - Elec - Line D
		per Q-73717
	Amount:	\$503.61
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

Switchgear - industrial 800 amp	Component Description:	Line C only on INV US0324214. See cover matrix
	Amount:	\$4,903.92
	Component Description:	Line C only of Invoice GO10004795-2.
	Amount:	\$4,903.93
	Component Description:	WBNG - Gates- TX - Main - RF - 1st inv - per line C of Q-73717
	Amount:	\$4,903.93
Service entrance 3 phase /800 amp/208 volt	Information not provided.	

Prepare transmitter building for installation of tx equipment. Wm H Lane Inv 18-1131- 1; PO 20405 \$23,815.81 \$23,815.81
transmitter building for installation of tx equipment. Wm H Lane Inv 18-1131- 1; PO 20405
transmitter building for installation of tx equipment. Wm H Lane Inv 18-1131- 1; PO 20405
transmitter building for installation of tx equipment. Wm H Lane Inv 18-1131- 1; PO 20405
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transmitter building for installation of tx equipment. Wm H Lane Inv 18-1131-
transmitter building for installation of tx
transmitter building
•
\$83,528.27
invoice matrix
2. See cover
INV GO10004795-
Lines A,B,E only. WBNG - Main Tx -
ψου, του.ου
US0324214. \$60,435.36
attached INV
Lines A, B of
\$83,528.27
per Q-73717
lines A B and E
WBNG-GATES- MAIN - TX - 1st inv

Site Survey - TX		
	Component Description:	WBNG-SURVEY-
		INV-QC18-026
	Amount:	\$7,000.00

Antennas

Cost Information

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 Co Justificati
Interim Antenna THV-7	\$348,113.25	\$318,913.25		\$309,476.54	
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 actu costs we from invoi from Dielectri See attacl invoices quotes a POs for c breakdov
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	UPLOAI DIELECTI ORDEF 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
Sub-total	\$348,113.25	\$318,913.25	N/A	\$309,476.54	N/A
Total for all systems	\$2,063,344.29	\$2,076,467.78	N/A	\$1,206,944.33	N/A

Actual Information	
Description	File Name

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
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	

Sweep test of existing		
antenna	Component Description:	SWEEP INTERIM ANT-WBNG-10 DEPOSIT- LINE 25 - 4-2 UPLOADED ORDER CONF AND UPGRADE COVER \$640.00
	Amount.	φ0+0.00
	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
Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	Component Description:	LINE 5 ELBOW- WBNG-35% INV MAN00090 4-2 UPLOADED ORDER CONF AND UPGRADE COVER
	Amount:	\$2,304.75
	Component Description:	ELBOW-WBNG- INTERIM-ANT-10% -LINE 5 4-2 UPLOADED ORDER CONF AND UPGRADE COVER LETTER 4- 13-corrected due
	Amount:	date \$658.50

Transmission Line

Cost Information

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	
Line Refurbishment	\$45,340.00	\$45,340.00	Required work on transmission line, Per Resonant Results Ltd field Report dated 3/14 /17.	\$0.00	N/A
Disconnect existing Interior RF components	\$12,500.00	\$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
Sub-total	\$57,840.00	\$57,840.00	N/A	\$0.00	N/A
Total for all systems	\$2,063,344.29	\$2,076,467.78	N/A	\$1,206,944.33	N/A

Actual Information	
Description	File Name

Line Refurbishment		
	Component Description:	LINE REFURB- WBNG-PCI INV 3OF3
	Amount:	\$8,925.00
	Component Description:	LINE REFURB- PCI-INV 10F3
	Amount:	\$17,495.00
	Component Description:	REFURB LINE - WBNG - PCI INV 20F3
	Amount:	\$13,920.00
Disconnect existing Interior RF components	Information not provided.	

Tower Equipment and Rigging Costs

Cost Information

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	
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 Structrual	\$3,000.00	\$3,000.00	Tower structural for revisions required to move to new channel.	\$3,000.00	N/A
Tower Modifications	\$150,000.00	\$150,000.00	Minor Tower reinforcement /modifications, may be necessary. Awaiting tower study finding not available at time of submittal.	\$0.00	N/A
Sub-total	\$363,500.00	\$549,750.00	N/A	\$399,750.00	N/A
Total for all systems	\$2,063,344.29	\$2,076,467.78	N/A	\$1,206,944.33	N/A

Actual Information Description	File Name	
Tall Tower (greater than 500')	Component Description: Amount:	Invoice includes rigging PLUS tower modifications. PCI - INV 7732 - PO 20868 \$396,750.00
Tower Structrual	Component Description: Amount:	WBNG- PJ FORD _ TOWER STRUCTURAL ANALYSIS _ INV -200174 and PO 19970 \$3,000.00

Tower Modifications		
	Component Description:	WBNG Tower
		Engineering - Delta invoice #1.
	Amount:	\$11,795.32
	Component Description:	Tower engineering,
	Amount:	Delta invoice#2 \$4,656.74
	Amount.	φ4,000.74
	Component Description:	Tower Engineering
	Amount:	- Delta inv #3
	Amount:	\$26,142.80
	Component Description:	Tower Engineering
	A	- 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:
		Proposal 19325-5; Terms &
		Conditions line 2
		(a). See attached
		cover letter and addendums.
	Amount:	\$24,500.00

Outside Professional Services

Cost Information

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 Co Justificat
Outside Professional Services	\$218,064.00	\$207,402.00		\$71,255.36	
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	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//
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,800.00	Actual costs per invoices.	\$7,800.00	WBNG ANTE! SYSTEM HAS ALF BEE PERFOF AND VERIFIC. TEST I NEW (WAS RL CONF WORK PERFOF CORRE! 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//
Project management of the transition	\$61,462.00	\$58,350.00	N/A	\$46,987.50	N/J
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	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 request for Special Temporary Authorization	\$8,200.00	\$6,000.00	N/A	N/A	N/
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 request for Special Temporary Authorization	\$14,720.00	\$14,000.00	N/A	N/A	N/J

Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/
General Legal	\$5,000.00	\$5,000.00	General legal counseling for the repack project	\$4,851.51	N/
PM- reimbursable travel expenses	\$9,612.00	\$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/J
Quarterly reporting	\$7,500.00	\$7,500.00	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.	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	\$2,063,344.29	\$2,076,467.78	N/A	\$1,206,944.33	N//

Components

Actual Information Description	File Name
Prepare and or review reimbursement form	Information not provided.

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	WBNG-ATTY FEES CP - JULY 17 \$1,564.00
	Component Description: Amount:	ATTY FEE- CP- APRIL17 \$543.72
	Component Description: Amount:	WBNG-ATTY FEES - JUNE 17 \$359.00
	Component Description: Amount:	ATTY FEES - WBNG-AUGUST 1 \$235.00
	Component Description: Amount:	ATTY FEE CP - WBNG- SEPT17 \$94.00
	Component Description: Amount:	ATTY FEES MAY1 WBNG \$453.00
	Component Description: Amount:	WBNG-BROOKS INV 3949053-JAN1 \$742.50

Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	PRE FIELD TEST OF ANT SYS FOR CH 7 AND 8. \$2,700.00
	Component Description: Amount:	ENGR-TEST AT SITE ON REFURBED LINE FOR CHANNEL 8 CONFIRMATION. \$3,000.00
	Component Description: Amount:	WBNG- ENGR NEW CHANNEL ASSIGNMENT INV \$2,100.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	WBNG- CP APP-INV \$1,735.00

Project management of		
the transition	Component Description:	WBNG-QCOMM- PM-INV QC17-149
		ITEM 4004
	Amount:	\$12,675.00
	Component Description:	WBNG - QCOMM - PM - APRIL-JULY18
		INV QC18-064
	Amount:	\$3,360.00
	Component Description:	WBNG-PM- 1THRU3-18 - INV QC18-052
	Amount:	\$7,350.00
	Component Description:	WBNG-PM - 8THRU12-18 INV -
		QC18-024
	Amount:	\$15,165.00
	Component Description:	WBNG- PM AUG- DEC18 - INV QC19-
		022
	Amount:	\$8,437.50
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100	Information not provided.	

Attorney Fees - Prepare		
and File request for Special Temporary Authorization	Information not provided.	
Comprehensive coverage verification via field study, if needed	Information not provided.	
General Legal		
	Component Description:	WBNG BROOKS AUG18 INV 3957118
	Amount:	\$198.00
	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
	Amount:	breakdown. \$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
	Amount:	breakdown. \$322.29

Component Description: Amount:	General Repack Legal Services for period ending December 31, 2017. INV 3947925 \$40.28 is WBNG portion of total invoice \$40.28
Component Description: Amount:	General Repack legal services for period ending July 31, 2017. INV 3942230. \$275.00 is WBNG portion of total invoice. \$275.00
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. \$117.86
Component Description: Amount:	Repack Legal Services Period ending Oct 31, 2017 INV 3945572 \$235.00
Component Description: Amount:	Brooks Repack Legal Services period ending Dec. 2018; INV 3961872 \$49.50

Component Description:	General Repack Legal Services for period ending June 30, 2017 INV 3941325 \$266.44 is WBNG portion of total invoice amount \$266.44
Component Description: Amount:	Brooks Legal Repack Services, period ending June 30, '19; INV 3968511 \$156.00
Component Description: Amount:	Brooks - Legal July '19 - INV 3970198 \$312.00
Component Description: Amount:	Brooks Repack Legal Services period ending Nov, 2017; INV 3946859 \$47.00
Component Description: Amount:	11-1-19 WBNG - Brooks - Gen Legal - Feb '18 - see cover sheet for breakdown \$28.28
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. \$190.86

Component Description: Amount:	Brooks Repack Legal Services, period ending Apr 30, '19; INV 3966160 \$156.00
Component Description: Amount:	General Repack Legal services for period ending April 30, 2018. INV 3952584 \$28.29 is WBNG portion of total invoice \$28.29
Component Description: Amount:	Brooks Repack Legal Services Period ending Oct 31, 2018 INV 3959628 \$297.00
Component Description: Amount:	WBNG-BROOKS JULY18-INV 3955731 \$99.00
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: Amount:	Brooks Repack Legal Services period ending Oct 31, 2019; INV 3974479 \$156.00
Component Description: Amount:	WBNG-BROOKS- JAN19 INV 3962865 \$260.00
Component Description: Amount:	WBNG-BROOKS- APR180 INV3952578 \$594.00
Component Description: Amount:	Brooks Repack Legal Services Period ending Dec 31, 2017. INV 3947919 \$282.00
Component Description: Amount:	WBNG-BROOKS- MAR18 -INV 3951195 \$99.00
Component Description: Amount:	General Repack Legal Services for period ending November 30, 2017. INV 3946865 \$221.57 is WBNG portion of total invoice \$221.57

	Component Description:	WBNG-BROOKS- FEB19-INV 39643
	Amount:	\$208.00
	Component Description:	WBNG-BROOKS- MAY18 INV-
		3953758
	Amount:	\$99.00
PM-reimbursable travel		
expenses	Component Description:	WBNG-QCOMM-
		PM INV QC17-150
		ITEMS 1010-1015
	Amount:	\$3,500.13
Quarterly reporting	Information not provided.	
Survey		
	Component Description:	Costs for survey fo
		new transmitter
		building. INV 3586
	Amount	PO 20638
	Amount:	\$2,390.00

Other Expenses

Cost Information

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 Co Justificat
Other Expenses	\$92,630.00	\$90,585.00		\$7,200.00	
Disposal Costs (for equipment and other waste, net of any salvage value)	\$10,000.00	\$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	\$8,000.00	\$8,000.00	Transport, forklift rental and handling fees from staging area to transmitter site.	N/A	N/A
Equipment Storage	\$10,000.00	\$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
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/
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N
Develop and air announcement of upcoming channel change	\$15,000.00	\$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
MVPD Notification of Channel Change	\$7,500.00	\$7,500.00	Required FCC notification.	N/A	N
Sub-total	\$92,630.00	\$90,585.00	N/A	\$7,200.00	N
Total for all	\$2,063,344.29	\$2,076,467.78	N/A	\$1,206,944.33	N

Components

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

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 " ' ". \$1,800.00
2nd quarter equipment storage fees - INV 1028 - NOTE: Actual vendor name is Casey's Garage but the tool would not allow the " ' " . \$1,800.00
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 " ' ". \$1,800.00
1st Quarter 2019 - Equipment Storage Fees - INV 1025 NOTE: Actual vendor name is Casey's Garage, but tool would not allow the " ' ". \$1,800.00

Equipment Storage

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.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
MVPD Notification of Channel Change	Information not provided.

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$2,063,344.29	\$2,076,467.78	\$1,206,944.33

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	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.	
		 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).
- 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

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 IMPRISIONMENT (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).	
		 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

Attachments