

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 64550 Service: DTV Call WQOW Channel: 25 (UHF)

ID: Sign:

ID: File

0000027502

Number:

FRN: **0030885057** Date **04/14**

Submitted: /2020

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WXOW-WQOW LICENSE, LLC Doing Business As: WXOW-WQOW LICENSE, LLC	Brady Dreasler P.O. BOX 909 QUINCY, IL 62306 United States	+1 (217) 223- 5100	bdreasler@quincyinc. com	Corporation

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Tony zumMallen President QCommunications, LLC	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	Transition from ch15 to ch25 will allow the use of the current antenna however the transmission line will require modifications.

Transmitters

rs	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	
Manufacturer and Type	Model	Diamond
	Year	2001
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	16 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	ULXTE-40
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	25.3 kW
	Justification for New Transmitter	Necessary to facilitate the channel reassignment. Existing Transmitter is not tunable per manufacturer.

Primary Transmitter

Other Transmitter Costs

Question	Response
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	300.0 feet
Other Electrical Service	No
	Switchgear (industrial 800 amp) Transformer (480V) Power Rigid Conduit and Wiring Size Length

	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 Transmitter

Other Transmitter Cost Not Listed

Name	Description
Sales Tax	Sales Tax on equipment per state law
Freight	Freight charges to ship equipment and parts
Demo old HVAC tx ducts	Repack, removed old HVAC transmitter ducts and replace with blocks
Elect for HVAC	Electrical work to install HVAC
Site Survey - TX	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.
Transmitter-Disconnect	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.
ARC remote control	Install remote control system

Transmitter training	Transmitter training - offsite - 1 week in duration at mfg site.
Electrical system modifications to accommodate the new transmitter	Electrician required to provide and install the equipment in preparation of the new transmitters electrical requirements.
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.
Plumbing installation for new transmitter	plumber required to install the new transmitter cooling systems
Transmitter Site Preperation	Site Preparation for Repack Interim and Main Transmitter installation Performing work that is not in the installation SOW on site to prepare for the GatesAir installation crew arrival to ensure there are no delays to the installation crews plans

Antennas

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

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Retune Existing
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Not in Stac
	Polarization	Horizontal
	Туре	Broadband Panel
	Number of Stations Supported	1
	Number of Panels	32
	Design power capacity in use	50.0 %
	Lower Limit	470.00 MH

Upper Limit	698.00 MHz
Other Antenna Type	N/A
ERP: (Effective Radiated Power)	200.0 kW
Manufacturer	Dielectric
Model	TUP-SP4-8-
Year	2000

Primary Antenna

Adjustment to Existing Antenna

Section	Question	Response
Sweep Test of Existing Antenna	Do you need a sweep test of existing antenna?	Yes

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	

Primary Antenna

Other Antenna Cost Not Listed

Information not provided.

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?	Yes
Will antenna be located on or in close proximity to an antenna farm?	No
Class	Full Power
Mounting	Side Mount
Antenna position in stack	Not in Stack
Polarization	Horizontal
Туре	Broadband Slot
Number of Stations Supported	1
Number of Panels/Bays	8
Lower Limit	470.00 MHz
Upper Limit	698.00 MHz
Design power capacity in use	50.0 %
Other Antenna Type	N/A
ERP: (Effective Radiated Power)	100.0 kW
Manufacturer	
Model	TFU-8WB
Year	2017

New Antenna

Manufacturer and Type

Justification for New Antenna 6-14-18- ZEROED all Interim facility EST pricing per call with Raphael Sznajder. The 399 tool will not DELETE the TX, ANT or LINE. Deleting returns an error message. WQOW will not be requiring an INTERIM due to an engineering work around.

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	4 1/16 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 Seffien	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Transmission

Existing Transmission Line

n 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
	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	993 feet per run

Primary Transmission

Other Transmission Line Expenses Not Listed

n <mark>Laine</mark>	Description
Disconnect Interior RF	Disconnect interior transmission line and filters from existing configuration and move within the building to make way for new facilities.
Refurbish Transmission Line	Refurbish instead of replace. Per Resonant Results, Ltd, Field Report.

Primary Transmission

Add Transmission Line

on Line Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmission currently shared with any other stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission	Manufacturer	
Line Manufacturer and Type	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	993 feet per run

Primary

New Transmission Line

Transmission Lin	n Line Section	Question	Response
	New Transmission Line Costs	Use	Primary (Main)
		Description of Use	N/A
		Change Type	Purchase New
		Is this a request for upgraded equipment?	No
		Туре	Rigid
		Diameter	6 1/8 inches
		Other Diameter	N/A
		Segment Length	19 1/2 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	993 feet per run
		Justification for New Transmission Line	See attached dated 3/16 /20 for justification for new line.

Primary Other Transmission Line Expenses Not Listed

Transmission loine tion not provided.

New Transmission Line

Interim Transmission Line

New Transmission Line
Costs

Question	Response
Use	Interim
Description of Use	N/A
Change Type	Purchase New
Туре	Rigid
Diameter	4 1/16 inches
Segment Length	19 ½ '
Other Segment Length	
Number of parallel runs	1
Length	975 feet per run
Justification for New Transmission Line	6-14-18- ZEROED all Interim facility EST pricing per call with Raphael Sznajder. The 399 tool will not DELETE the TX, ANT or LINE. Deleting returns an error message. WQOW will not be requiring an INTERIM due to an engineering work around.

Interim Other Transmission Line Expenses Not Listed

Transmission loine tion not provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Move Equipment
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	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?	No
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration Coordinates (NAD83 (North American Datum of 1983))	Do you have a tower registration number?	No
	ASR Number	
	Latitude (NAD83)	44° 47' 59.0" N-
	Longitude (NAD83)	091° 27' 57.0" W-
	Overall Structure Height	961.00 feet
	Support Structure Height	888.00 feet
	Ground Elevation Above Mean Sea Level (AMSL)	888.00 feet

Structure Type	TOWER - Free Standing or Guyed Structure	
Tower Owner	Gray Television Group, Inc.	
Date Constructed	09/25/1956	

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
STRUCTURAL ENGINEERING	TOWER ANALYSIS

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	614
	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	No
	Quantity	N/A
	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	No
	Quantity	N/A
	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	Yes
	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

Other Professional Services Expenses Not Listed

Şervices Costs	Description
Legal General Repack issues	See uploaded- QMI Repack Invoice Memo for Shared Legal Expenses (Matter 104411 00054) for Form 399
Quarterly reporting	Preparation and submittal of the FCC required quarterly report 387 by attorney.
Vendor Travel Expenses	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project - see quote for estimated expenses.

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
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	No
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 Not Listed

Expenses 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
Primary Transmitter ULXTE-40	\$1,989,140.43	\$1,196,396.02		\$1,036,075.13	
ARC remote control	\$9,971.67	\$9,971.67	Costs to install ARC system per actual invoices.	\$9,971.67	N/A
Freight	\$9,359.05	\$9,359.05	N/A	\$9,359.05	N/A
Sales Tax	\$3,549.71	\$3,549.71	N/A	\$3,549.71	N/A
Transmitter Site Preperation	\$6,500.00	\$6,500.00	Site Preparation for RepackMain Transmitter installation Performing work that is not in the installation SOW on site to prepare for the GatesAir installation crew arrival to ensure there are no delays to the installation crews installation pl	\$6,500.00	N/A

Plumbing installation for new transmitter	\$14,600.00	\$14,600.00	plumber required to install the new transmitter cooling systems per vendor estimate.	\$14,515.10	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
Electrical system modifications to accommodate the new transmitter	\$50,400.00	\$50,400.00	Electrician required to provide and install the equipment in preparation of the new transmitters electrical requirements. per po20377 and vendor estimate.	\$37,746.53	N/A
Transmitter- Disconnect	\$20,000.00	\$20,000.00	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	\$18,500.00	N/A

Site Survey - TX	\$20,000.00	\$20,000.00	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.	\$7,500.00	N/A
Elect for HVAC	\$4,820.00	\$4,820.00	Electrical work to install HVAC - costs per actual invoices.	\$4,820.00	N/A
Demo old HVAC tx ducts	\$9,440.00	\$9,440.00	Repack, removed old HVAC transmitter ducts and replace with blocks. Costs per actual invoice.	\$9,440.00	N/A
25 Ton system	\$91,500.00	\$87,000.00	N/A	\$34,780.00	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$7,800.00	\$7,500.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$294,442.90	Changed power on transmitter, which created this new line. This is the amount remaining on the PO per actual invoices.	\$281,534.14	N/A

Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	\$8,546.24	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$51,178.41	Actual costs per invoices	\$51,178.41	N/A
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	\$0.00	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$538,134.28	***System Notice: Estimate adjusted and locked because line has been superseded. ***Actual costs per vendor invoices.	\$538,134.28	Actual costs per invoices from GatesAir
Transmitter training	\$3,300.00	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A	N/A
Sub-total	\$1,989,140.43	\$1,196,396.02	N/A	\$1,036,075.13	N/A
Total for all	\$3,988,601.43	\$2,316,141.13	N/A	\$1,513,893.03	N/A

Components

Actual Information	
Description	File Name

Component Description: Amount:	Revised with cover letter - remote control system. Burk Tech - INV 00068910 - PO 20373 \$9,971.67
,	ψο,ο
Component Description:	Invoice includes \$213.67 for shipping and handling not included on original quote. INV 00068910 - PO 20373
Amount:	\$9,971.67
Component Description: Amount:	Freight for shipment of equipment and parts. See cover letter for explanation of charges. US0319031; PO 19967; change order Q-79019 - PO 20435 \$9,359.05
Component Description:	sales tax for tx equipment. US0319031, PO
Amount:	19967; change ordr Q-79019, PO 20435 \$3,549.71
	Amount: Component Description: Amount: Component Description:

Transmitter Site Preperation		
	Component Description:	WQOW- MAIN
		SITE PREP - INV
		QC18-056
	Amount:	\$6,500.00
Plumbing installation for		
new transmitter	Component Description:	WQOW - BERNIE
		- PLUMBING INV
		857757
	Amount:	\$14,515.10
Securirty - Site	Information not provided.	
Electrical system		
modifications to accommodate the new	Component Description:	WQOW- P AND T
accommodate the new transmitter		INV 16136 -
iransmitter		ELECTRIC WORK
		FOR NEW TX-
		LABOR AND MATERIAL
	Amount:	\$35,723.93
	Amount.	ψ33,723.33
	Component Description:	WQOW- P AND T
		- INV 16296 -
		ELECTRIC
		INSTALL
		PROGRESS
		MATERIAL
	Amount:	\$2,022.60
Transmitter-Disconnect		
	Component Description:	WQOW- QCOMM-
		DECOMM INV
		QC19-010
	Amount:	\$18,500.00
Site Survey - TX		
	Component Description:	WQOW-SITE
		SURVEY-INV-
		QC18-029

F1		
Elect for HVAC		
	Component Description:	WQOW - NEI -
		elect for HVAC -
		INV 132274 - PO
	Amazzati	20729
	Amount:	\$4,820.00
Demo old HVAC tx ducts		
	Component Description:	Costs necessary
		to remove old
		HVAC ductwork
		for repack. Royal -
		INV 12540 - PO
		20538
	Amount:	\$9,440.00
25 Ton system		
	Component Description:	Kurth - Installation
		of (3) Carrier AC
		units - INV 100951
		- PO 20728
	Amount:	\$34,780.00
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
UHF - Liquid Cooled Solid		
State Transmitter 21 - 31 kW	Component Description:	3rd invoice for
		transmitter.
		TE10004378-3,
		PO 19967
	Amount:	\$204,526.99
	Component Description:	WQOW - final tx
		invoice
		US0319031 - PO
		19967; includes.
		CO Q-79019; PO
		20435. See cover
		letter
	Amount:	\$77,007.15

Service entrance 3 phase		
/800 amp/208 volt	Component Description:	Gates WQOW -
		TX quote Q-59383
		Electric - D Electric
	Amount:	\$2,848.75
	Component Description:	WQOW - MAIN
		TX INV-
		TE10004378-2 Q-
		59383 LINE D
		Electric- 5-29 -
	Amount:	correct amount. \$2,848.75
	Amount:	φ2,040.73
	Component Description:	GatesAir 3rd
		Invoice
		TE10004378-3;
		LINE D only.
	Amount:	\$2,848.74
Switchgear - industrial 800		
amp	Component Description:	Gates WQOW -
		quote Q-59383 -
		RF Access - C inv
	Amount:	\$17,059.47
	Component Description:	WQOW - MAIN
		TX INV-
		TE10004378-2
		quote Q-59383 -
	Amazunt	RF Access - C inv
	Amount:	\$17,059.47
	Component Description:	GatesAir 3rd
	Component Bosonption.	Invoice,
		TE10004378-3;
		LINE C ONLY, PO
		19967
	Amount:	\$17,059.47

Transformer 3 phase/480v - 300 KVA	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	Component Description: Amount:	WQOW- MAIN TX -INV TE10004378- 2 LINES A B and E - see Q59383 \$269,067.14
	Component Description:	Final Invoice GatesAir; US0319031; Lines A, B, and E balances PLUS actual Sales tax and freight charges to ship equipment. PO 19967. 2-25-20 Zeroed out request and resubmitted under new line.
	Amount:	N/A
	Component Description:	Gates Air third invoice: TE10004378-3; Lines A, B only on PO 19967. 2-27- 20 zeroed out this request and put on new line.
	Amount:	N/A
	Component Description:	DEP ON MAIN TX WQOW - A B and
	Amount:	E - see Q59383 \$269,067.14

Cost Information

Antennas

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

Description Interim	Predetermined Cost Estimate \$135,490.00	Estimated Cost \$8,767.50	Estimated Cost Justification	Actual Cost \$8,767.50	Actual Cost Justification
Antenna TFU-8WB					
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$0.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$1,050.00	Test antenna. Costs per actual invoice from Resonant.	\$1,050.00	N/A
UHF - Lower Power Side Mount, One station antenna - medium power (50- 200 kW), horizontally polarized	\$89,400.00	\$0.00	N/A	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	N/A	N/A	N/A
Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	\$10,950.00	\$7,717.50	N/A	\$7,717.50	Per Actual costs: Invoice 242022, PO 20314
Primary Antenna TUP-SP4-8-	\$6,730.00	\$6,400.00		\$0.00	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Sub-total	\$142,220.00	\$15,167.50	N/A	\$8,767.50	N/A
Total for all systems	\$3,988,601.43	\$2,316,141.13	N/A	\$1,513,893.03	N/A

Components

Actual Information Description	File Name
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.

Sweep test of existing		
antenna	Component Description:	Test antenna system for frequency and time domain response. INV RR3171 - PO 19749
	Amount:	\$1,050.00
UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized	Information not provided.	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	Component Description:	Dielectric - Elbow - INV 242022 - PO 20314
	Amount:	\$7,717.50
Sweep test of existing antenna	Information not provided.	

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	Cost Justification	Actual Cost	Actual Cos Justification
Interim Transmission Line	\$138,450.00	\$0.00		\$0.00	
Rigid Transmission Line - copper, 4 1 /16"	\$138,450.00	\$0.00	N/A	N/A	N/A
Primary Transmission Line	\$12,500.00	\$12,500.00		\$12,500.00	
Disconnect Interior RF	\$12,500.00	\$12,500.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.	\$12,500.00	N/A
Primary Transmission Line	\$200,586.00	\$385,225.00		\$0.00	

Rigid Transmission Line - copper, 6 1/8"	\$200,586.00	\$385,225.00	Per actual invoices from PCI. See cover sheet for more explanations.	N/A	N/A
Sub-total	\$351,536.00	\$397,725.00	N/A	\$12,500.00	N/A
Total for all systems	\$3,988,601.43	\$2,316,141.13	N/A	\$1,513,893.03	N/A

Components

Actual Information Description	File Name	
Rigid Transmission Line - copper, 4 1/16"	Information not provided.	
Disconnect Interior RF	Component Description:	WQOW-QCOMM- DECOMM INV
	Amount:	QC19-010 \$12,500.00

Rigid Transmission Line copper, 6 1/8" **Component Description:** See LAST page of attachment for further information. WQOW - PCI new line - INV 7267 - PO 20088 (1st invoice) \$154,102.00 Amount: **Component Description:** See LAST page of attachment for further explanation. WQOW - PCI new line - INV

> 7381 - PO 20088 (2nd INvoice) \$183,168.00

Amount:

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	\$222,500.00	\$418,134.61		\$343,020.00	
STRUCTURAL ENGINEERING	\$12,000.00	\$12,000.00	Structural engineering to determine if tower will hold interim antenna and new config at current requirements	\$5,750.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$406,134.61	Actual costs per vendor invoices.	\$337,270.00	N/A
Sub-total	\$222,500.00	\$418,134.61	N/A	\$343,020.00	N/A
Total for all systems	\$3,988,601.43	\$2,316,141.13	N/A	\$1,513,893.03	N/A

Components

Actual Information Description	File Name	
STRUCTURAL ENGINEERING	Component Description: Amount:	WQOW-TOWER TECH-INV-17-116 \$5,750.00

Tall Tower (greater than 500')		
300)	Component Description:	PCI - Tower work
		- INV 7381 - 2nd
		invoice - see
		cover sheet for
		additional info
	Amount:	\$183,168.00
	Component Description:	PCI - Tower work -
		INV 7267 - 1st
		invoice - see
		cover letter.
	Amount:	\$154,102.00
	Component Description:	PCI - Tower Work
		- INV 7399 - 3rd
		invoice - see
		cover sheet for
		explanation. See

Amount:

attached daily

reports.

\$68,864.61

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 Outside Professional Services	Predetermined Cost Estimate \$238,810.00	Estimated Cost \$228,323.00	Estimated Cost Justification	Actual Cost \$108,692.19	Actual Cos Justification
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$4,425.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$525.00	N/A
Vendor Travel Expenses	\$13,408.00	\$13,408.00	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project - see quote for estimated expenses. QC-17003	\$10,327.18	N/A

Quarterly reporting	\$5,000.00	\$5,000.00	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.	N/A	N/A
Legal General Repack issues	\$10,000.00	\$10,000.00	see exhibit memo - QMI Repack Invoice Memo for Shared Legal Expenses (Matter 104411 00054) for Form 399	\$7,619.01	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$4,506.00	N/A

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,970.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,565.00	Actual total of two invoices from Lohnes & Culver regarding coordination issues.	\$840.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$97,012.00	\$92,100.00	N/A	\$78,480.00	N/A
Sub-total	\$238,810.00	\$228,323.00	N/A	\$108,692.19	N/A
Total for all systems	\$3,988,601.43	\$2,316,141.13	N/A	\$1,513,893.03	N/A

Components

Actual Information	
Description	File Name

Perform engineering study for new channel assignment and antenna development

Component Description: WQOW - Lohnes -

eng services - tx power justification -INV 201905-0275-08-2-1. NOTE: vendor name is Lohnes & Culver. Since the tool does not allow for special characters, "and"

was substituted for

"&".

Amount: \$300.00

Component Description: Construction phase

assignment waiver
- engineering
studies. Lohnes
INV 201806-0275-

08-2

Amount: \$1,725.00

Component Description: NEW CHANNEL

ASSIGN ENGR-LOHNES INV-

WQOW

Amount: \$2,400.00

Prepare engineering section of FCC Form 2100 (main), License to Cover Application

Component Description: Prepare

engineering section of Form 2100 -Lohnes - INV

2001809-0275-08-2 . NOTE: Vendor name is Lohnes & Culver; "and" was substituted for special character

"&".

Amount: \$525.00

Vendor Travel Expenses		
	Component Description:	WQOW- PM -AUG- NOV18 - INV QC19- 018 - PM TRAVEL TIME
	Amount:	\$8,400.00
	Component Description:	WQOW-PM- TRAVEL EXP - INV QC17-143 - ITEMS 1010-1015
	Amount:	\$817.07
	Component Description:	WQOW-PM TRAVEL - INV 1THRU3-18 - INV QC18-048 LINES 1010,1014 AND 1015
	Amount:	\$1,110.11
Quarterly reporting	Information not provided.	
Legal General Repack		
issues	Component Description:	WQOW-BROOKS- MAY18-INV 3953761
issues	Component Description: Amount:	MAY18-INV
issues		MAY18-INV 3953761

Component Description: Brooks Repack

legal services for period ending Sept '18; INV 3958278

Amount: \$2,013.00

Component Description: WQOW - Brooks-

Gen Legal period ending Dec 2017 -INV 3947925. 440.29 is WQOW portion of total

invoice

Amount: \$40.29

Component Description: Brooks Repack

Legal Services for period ending Dec '17; INV 3947922

Amount: \$188.00

Component Description: WQOW - Brooks -

Gen Legal February 2018 -INV 3950148. \$28.29 is WQOW portion of total

invoice

Amount: \$28.29

Component Description: WQOW - Brooks -

Gen Legal April 2018 - INV

3952584. \$28.29 is WQOW portion of invoice total

Amount: \$28.29

Component Description: WQOW - Brooks -

General Legal March 2018 - INV 3951201. \$28.29 is WQOW portion of total invoice

Amount: \$28.29

Component Description: WQOW - Brooks -

Gen Legal period ending January, 2018 - INV

3949059. \$35.36 is WQOW portion of total invoice

Amount: \$35.36

Component Description: Brooks Repack

Legal Services for period ending Dec '18; INV 3961875

Amount: \$33.00

Component Description: General Legal -

AUG17-WQOW-inv

Amount: \$117.85

Component Description: General Legal-

MAY17-WQOW

Amount: \$190.85

Component Description: General Legal -

SEPT-WQOW-inv

Amount: \$80.57

Component Description: WQOW-BROOKS

LEGAL INV

3952581-APRIL18

Amount: \$297.00

Component Description: Brooks Repack

Legal Services for period ending July '19; INV 3970201

Amount: \$52.00

Component Description: WQOW-BROOKS-

LEGAL JAN-18-INV 3949056

Amount: \$297.00

Component Description: General Legal-

JULY17-WQOW-inv

Amount: \$275.00

Component Description: WQOW - BROOKS

- LEGAL OCT 19 -

INV 3959630

Amount: \$363.00

Component Description: WQOW-BROOKS-

JUNE18- INV

3954664

Amount: \$1,287.00

Component Description: WQOW-BROOKS -

JULY18 INV

3955734

Amount: \$495.00

Component Description: General Legal-

JUNE17 - WQOW

inv

Amount: \$266.44

Component Description: WQOW - Brooks -

Gen Legal July '17

- INV 3942230

(revised)

Amount: \$275.00

Component Description: WQOW Brooks

Gen Legal June '17

INV 3941325

Amount: \$266.44

Component Description: WQOW-BROOKS-

MAR18 INV-3951198

Amount: \$445.50

Component Description: General Legal-

NOV17-WQOW-inv

Amount: \$221.57

Component Description: General Legal-

OCT17-WQOW-inv

Amount: \$322.28

Component Description: WQOW-BROOKS

AUG18 INV 3957121

Amount: \$148.50

Comprehensive coverage verification via field study, if needed

Information not provided.

Attorney Fees - Negotiation of lease and other matters for shared locations

Information not provided.

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application Information not provided.

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

Component Description: LEGAL-MAY17-

WQOW \$453.00

Amount: \$453.00

Component Description: LEGAL JUNE17-

WQOW

Amount: \$359.00

Component Description: LEGAL-WQOW-

SEPT17

Amount: \$423.00

Component Description: LEGAL APRIL17 -

WQOW

Amount: \$517.00

Component Description: Legal-WQOW-

OCT17-inv

Amount: \$329.00

Component Description: LEGAL AUGUST17

- WQOW

Amount: \$470.00

Component Description: LEGAL - JULY17

WQOW

Amount: \$1,861.00

Component Description: Legal-WQOW-

NOV17-inv

Amount: \$94.00

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application

Component Description: WQOW - Lohnes -

Form 2100 - INV 201809-0275-08-2. NOTE: Vendor name is Lohnes & Culver; however, since the tool does not allow special characters, "and" was substituted for

"&".

Amount: \$525.00

Component Description: CP APPLICATION-

WQOW - LOHNES

ENGR

Amount: \$1,970.00

Component Description:	WQOW - Lohnes -
	Interference study -
	INV 201905-0275-
	08-2-2. NOTE:
	Vendor name is
	Lohnes & Culver;
	since the tool does
	not allow for special
	characters, "and"
	was substituted for
	"&".
Amount:	\$840.00
Component Description:	WQOW - Lohnes -
	engineering studies
	- INV 201806-0275-
	08-2. Note: Vendor
	name is Lohnes &
	Culver, but since
	the tool does not
	allow special
	characters, "and"
	was substituted for
	"&".
Amount:	\$1,725.00
	Amount:

Project management	of	the
transition		

Component Description: WQOW-PM- SEPT-

DEC-17- INV QC18-

019

Amount: \$12,270.00

Component Description: WQOW- PM -AUG-

NOV18 - INV QC19-

018 - PM TIME

Amount: \$22,537.50

Component Description: WQOW-PM-

1THRU3 18 - INV

QC18-048

Amount: \$9,562.50

Component Description: WQOW - QCOMM

PM 4THRU7-18 INV QC18-069

Amount: \$18,660.00

Component Description: WQOW-PM-INV-

QC17-143 - ITEM

4004

Amount: \$15,450.00

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 Co
Other Expenses	\$60,995.00	\$60,395.00		\$4,838.21	
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/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.	\$0.00	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

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.	\$1,888.21	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	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	\$5,000.00	\$5,000.00	Required FCC notification.	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$2,950.00	N/A
Sub-total	\$60,995.00	\$60,395.00	N/A	\$4,838.21	N/A
Total for all systems	\$3,988,601.43	\$2,316,141.13	N/A	\$1,513,893.03	N/A

Components

Actual Information Description	File Name
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.

Equipment Delivery and Handling Charges	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description:	Roll off dumpster to collect debris from installation activities. INV 1574
	Amount:	\$311.23
	Component Description:	Roll off dumpster to collect debris from installation activities. INV 1603
	Amount:	\$152.98
	Component Description:	This request is for the previous balance only which covers the dumpster rental for December 18, 2018. This request does NOT include the \$10.97 service charge (late fee).
	Amount:	\$731.00
	Component Description:	Roll off dumpster for June 2019 to collect debris from installation activities.
	Amount:	\$693.00
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.	

MVPD Notification of Channel Change	Information not provided.	
DTV Medical Facility Notification	Component Description:	WQOW-RF NOTE- MEDICAL
	Amount:	- INV 1059 \$2,950.00

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,988,601.43	\$2,316,141.13	\$1,513,893.03

Reimbursem	entestiatus	Response
	The facility has ceased operating on its pre- auction channel.	Yes
	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

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.

- 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 abovenamed applicant for the Authorization(s) specified above. BRADY
DREASLER
CORPORATE
DIRECTOR
OF
ENGINEERING

04/14/2020

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).

- 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.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- 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 abovenamed applicant for the Authorization(s) specified above. BRADY
DREASLER
CORPORATE
DIRECTOR
OF
ENGINEERING

04/14/2020

Attachments