

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 74176 Service: DTV Call WVVA Channel: 17 (UHF)

Sign:

File **0000027484**

Number:

ID:

FRN: **0018223693** Date **07/02**

Submitted: /2020

Applicant Information

Applicant Name, Type, and Contact Information

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

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 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 ch 46 to ch 17 and will need an antenna, transmitter and associated gear and systems. The station will need an interim transmitter and antenna system to provide continuous 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	
Manufacturer and Type	Model	Power CD
	Year	2006
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	60 kW

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-72
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	47.2 kW
	Justification for New Transmitter	IOT transmitter is not tunable per the manufacturer.

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	400.0 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 Transmitter

Other Transmitter Cost Not Listed

Name	Description
Move and stage equipment	Costs to move/stage/coordinate a complex installation. Time and material invoice.
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.
Plumbing	Plumbing work to install new transmitter
Move transmitter	Costs to move transmitter from studio to transmitter site
Cabling, Lighting, Demo	Costs for installing fiber optic cable, lighting controls and components demolition to restore systems impacted due to repack activities.

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.
Sales Tax Equipment-Main TX	Sales tax for equipment- Main transmitter- per quote
Disconnect existing Transmitter	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.
Nitrogen and Oxygen	Nitrogen and Oxygen supply for install activiites

Interim Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-30
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	19.2 kW
	Justification for New Transmitter	Interim facility is required to avoid station silence during transition, no aux facility to use for interim operation. Extended silent period during transition to new channel is unreasonable. 10-5-18 - AMENDED 399 TO REFLECT TX CHANGE DUE TO ENGR MOD.

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	400.0 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-EQ	Est sales tax for equipment per quote	

Antennas

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

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Other
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	Omni- Directional
	ERP: (Effective Radiated Power)	1000.0 kW

Manufacturer	
Model	TFU-24JTH- R-04
Year	2006

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	18
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	545.0 kW
	Manufacturer	

Model	TFU-18JTH /VP-R 04
Year	2017
Justification for New Antenna	Existing antenna is not tunable to new channel assignment. Adding Vertical component to Primary antenna and do not know of any upgraded pricing as of time of filling.

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	6 1/8 inches inches

Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	
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 Cost Not Listed

Name	Description
Fire and EMS Services for antenna install	Costs to have EMS and fire department on site for helicopter Antenna installation.

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
New Antenna	Class	Full Power
Manufacturer and Type	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	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	300.0 kW
	Manufacturer	
	Model	TFU-8WB-R
	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.
	annousenable.

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

Name	Description
FREIGHT-MFG EQ	FREIGHT FROM MFG TO STAGING

Transmission ^{Seffien}	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Transmission Line

Existing Transmission Line

n 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 the existing transmission line shared with another station or 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	176 feet per run

Primary Transmission_s

New Transmission 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	176 feet per run
	Justification for New Transmission Line	Existing line will not operate on new channel assignment per Dielectric sweep test.

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.

New Transmission Line

Interim Transmission

n Line Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Туре	Flexible Air
	Diameter	4 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	1
	Length	200 feet per run
	Justification for New Transmission Line	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.

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	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	Terrain Constrained
	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?	Unknown
Existing Tower Structure	Do you have a tower registration number?	Yes
Registration	ASR Number	1254053
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	37° 15' 21.1" N-
	Longitude (NAD83)	081° 10' 53.3" W-
	Overall Structure Height	166.66 feet
	Support Structure Height	124.34 feet

Ground Elevation Above Mean Sea Level (AMSL)	3669.25 feet
Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	WVVA Television, Inc.
Date Constructed	09/18/2006

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Minor Reinforcements needed

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Terrain constrained
Helicopter Services Required	Are helicopter services required?	No

Primary Tower

Other Tower Expenses Not Listed

Information not provided.

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	934
	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 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

Other Professional Services Expenses Not Listed

Services Costs	Description
Quarterly reporting	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.
Structural Analysis	Engineering services: Structural Analysis of existing tower
Tower Modification Drawings	Engineering Services : Tower Modification Drawings
Vendor Travel expenses	Vendor Travel expenses for working in the field on behalf of the station for the Repack project
General Consulting Engineering Services	Consulting Engineer - miscellaneous services.
General Repack Legal Services	See atached Memo - QMI INIvoice Memo for Shared Legal Expenses (Matter 104411 00054) for Form 399

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	No
	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

Name	Description
Required Newspaper Notifications	Required newspaper ads announcing frequency change.

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 ULXTE-30	\$1,515,097.84	\$905,960.62		\$717,601.65	
Sales Tax- EQ	\$35,824.70	\$35,824.70	Sales tax- INTERIM TX per Gates Q- 73720	\$11,941.38	N/A
UHF inside RF system including switching	\$147,500.00	\$140,000.00	N/A	\$32,108.43	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$10,400.00	\$10,000.00	N/A	\$0.00	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$62,748.49	Actual costs to install electrical portion of interim transmitter	\$62,748.49	Actual costs per invoices.
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$197,357.15	N/A	\$150,773.07	N/A

Nitrogen and Oxygen	\$179.08	\$179.08	Nitrogen /Oxygen	\$179.08	N/A
Primary Transmitter ULXTE-72	\$2,032,027.83	\$2,102,268.60		\$1,834,945.79	
UHF - Air Cooled Solid State Transmitter 10 - 12 kW	\$336,500.00	\$197,357.14	***System Notice: Estimate adjusted and locked because line has been superseded. ***	\$197,357.14	N/A
UHF - Air Cooled Solid State Transmitter 19.2 kW	\$262,673.14	\$262,673.14	***System Notice: Estimate adjusted and locked because line has been superseded. ***This is to amend the 399 Interim TX to more closely replicate the existing station contour during the interim operations that was paid on 3-28- 18.	\$262,673.14	N/A

Disconnect	\$20,000.00	\$20,000.00	Disconnect	N/A	N/
existing Transmitter			transmitter and		
Transmitter			components		
			from existing		
			configuration		
			and move		
			within		
			building to		
			make way		
			for new		
			facilities.		
Sales Tax	\$78,988.75	\$78,988.75	est sales tax	\$26,329.58	N/A
Equipment-			for main tx		
Main TX			equipment		
			per quote Q- 73721		
			73721		
Securirty -	\$17,500.00	\$17,500.00	This site	N/A	N/A
Site			requires		
			security		
			once the		
			new transmission		
			line and		
			equipment		
			arrive on		
			site to be		
			installed.		
			Estimated		
			length of 4-6		
			weeks.		
Cabling,	\$76,492.00	\$76,492.00	Costs to	\$55,405.53	N/A
Lighting,			install fiber		
Demo			optic cable,		
			tower		
			lighting and		
			demolition of		
			certain		
			equipment		
			due to		
			repack		
			efforts.		

Move transmitter	\$36,150.00	\$36,150.00	Southern Air PO 20574. Actual costs to move transmitter from studio to tx site.	\$36,150.00	N/A
Plumbing	\$64,791.00	\$64,791.00	PO 2699 from Southern Air. Costs to install plumbing associated with transmitter install.	\$64,791.00	N/A
Site Survey - TX	\$25,000.00	\$25,000.00	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.	\$14,000.00	N/A
Transmitter - Training	\$3,300.00	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A	N/A
Move and stage equipment	\$45,327.00	\$45,327.00	Time and materials to move/stage /coordinate equipment during installation of a complex project.	\$45,327.00	N/A

25 Ton system	\$91,500.00	\$152,204.00	Actual costs Per quote and invoice from Southern Air. Quote includes removal and disposal of old unit.	\$140,204.00	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$10,400.00	\$10,000.00	N/A	N/A	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$99,694.49	Actual costs for equipment and electrical work to install equipment.	\$99,694.49	Actual invoice costs for equipment plus installation
Switchgear - industrial 800 amp	\$38,200.00	\$56,695.57	Per Quote #73721, Line C totals \$44,640.57, PLUS the added change orders: Q- 82352 PO 20727; Q- 82564 PO 20742; Q- 83542 PO 20818; Q- 84797 PO 20924 totaling \$12,055	\$56,695.57	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	N/A	N/A

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,402,246.71	Actual costs per invoices from GatesAir	\$1,296,169.54	N/A
Sub-total	\$3,547,125.67	\$3,008,229.22	N/A	\$2,552,547.44	N/A
Total for all systems	\$5,425,666.33	\$4,688,851.38	N/A	\$3,558,263.36	N/A

Components

Componente				
Actual Information Description	File Name			
Sales Tax-EQ	Component Description: Amount:	WVVA- GATES- INTERIM-SALES TAX-INV GO10004797-1 \$11,941.38		
UHF inside RF system				
including switching	Component Description:	WVVA - Gates - UHF inside RF including switching. US0329314		
	Amount:	\$32,108.43		
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.			
Switchgear - industrial 800				
amp	Component Description:	Int tx Electrical - Gates - US0322513 - Q- 73720; Line C Only		
	Amount:	\$1,665.83		

Component Description: Revised

attachment,

Electrical work to install interim

transmitter. 1st Inv 28780; PO 20699

Amount: \$18,975.06

Component Description: Per RFAS,

changed the

requested amount to \$0. Interim Switch and Load addition per Quote Q-80535. Includes freight of \$878.03

Amount: N/A

Component Description: WVVA-GATES

INT 2ND INV GO10004797-2 ULXTE-30 LINE C

Amount: \$1,665.83

Component Description: WVVA-GATES-

INTERIM ELEC-INV GO10004797-

1 LINE C.

Amount: \$1,665.83

Component Description: Southern Air-

Electrical for Interim TX; Line 190111.3; INV 29487; PO 20699

Amount: \$38,775.94

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW

Component Description: Lines A & B only.

Third invoice for interim transmitter. INV US0322513; Quote Q-73720

Amount: \$150,773.07

UHF - Air Cooled Solid State Transmitter 19.2 kW

Component Description: Final invoice for

plumbing - Int TX - INV 29474 - PO

20663

Amount: \$4,173.93

Component Description: Southern Air -

bridge for tx line int tx - final invoice # 29497 - PO 20764

Amount: \$22,581.63

Component Description: Interim TX - 3rd

invoice -

US0322513 - Q-73720 - Lines A and B only.

Amount: N/A

Amount:

Component Description: WVVA-GATES-

INV 2ND INV GO10004797-2 LINES A B AND D- q-73720 \$197,357.14

Component Description: Plumbing work to

install Interim tx. 1st inv 28777; PO

20663

Amount: \$11,285.07

Component Description: Southern Air - first

inv int tx bridge work - INV 29144 -

PO 20764

Amount: \$27,275.37

UHF - Air Cooled Solid		
State Transmitter 10 - 12 kW	Component Description:	WVVA-GATES-
		INTERIM TX INV-
		GO10004797-1
		LINES A,B AND D.
	Amount:	\$197,357.14
Nitrogen and Oxygen		
	Component Description:	Cylinder rental
		nitrogen & oxygen
		for transmitter
		install activities.
		INV 9965974650
	Amount:	\$179.08
Disconnect existing	Information not provided.	
Transmitter		
Sales Tax Equipment-Main		
TX	Component Description:	WVVA-Gates-
		Main-tx-sales-tax-
		GO10004796-1
	Amount:	\$26,329.58
Securirty - Site	Information not provided.	
Cabling, Lighting, Demo		
Cabling, Lighting, Demo	Component Description:	costs to install
Cabling, Lighting, Demo	Component Description:	costs to install
Cabling, Lighting, Demo	Component Description:	fiber optic, tower
Cabling, Lighting, Demo	Component Description:	
Cabling, Lighting, Demo	Component Description:	fiber optic, tower lighting, and bldg
Cabling, Lighting, Demo	Component Description:	fiber optic, tower lighting, and bldg & cable demo.
Cabling, Lighting, Demo	Component Description: Amount:	fiber optic, tower lighting, and bldg & cable demo. Southern Air - INV
Cabling, Lighting, Demo		fiber optic, tower lighting, and bldg & cable demo. Southern Air - INV 30500 - PO 20836
Cabling, Lighting, Demo	Amount:	fiber optic, tower lighting, and bldg & cable demo. Southern Air - INV 30500 - PO 20836 \$42,809.67
Cabling, Lighting, Demo		fiber optic, tower lighting, and bldg & cable demo. Southern Air - INV 30500 - PO 20836
Cabling, Lighting, Demo	Amount:	fiber optic, tower lighting, and bldg & cable demo. Southern Air - INV 30500 - PO 20836 \$42,809.67
Cabling, Lighting, Demo	Amount:	fiber optic, tower lighting, and bldg & cable demo. Southern Air - INV 30500 - PO 20836 \$42,809.67 Bldg & Cable demo portion of
Cabling, Lighting, Demo	Amount:	fiber optic, tower lighting, and bldg & cable demo. Southern Air - INV 30500 - PO 20836 \$42,809.67 Bldg & Cable demo portion of PO 20836. Final

Move transmitter		
	Component Description:	Southern Air -
		move tx &
		components - INV 27828 - PO 20574
		- see cover letter
		for further details.
	Amount:	\$36,150.00
Plumbing		
	Component Description:	WVVA - Southern
		Air - prim tx
		plumbing - INV
		29104 - PO 20699
	Amount:	\$24,281.58
		D
	Component Description:	Revised WVVA
		First invoice for
		plumbing work to install main tx. INV
		28782 - PO 20699
	Amount:	\$8,920.59
	7	ψ0,020.00
	Component Description:	WVVA - Southern
		Air - Prim
		Plumbing - INV
		29487 - PO 20699
	Amount:	\$31,588.83
Site Survey - TX		
	Component Description:	WVVA-SURVEY-
		INV-QC18-031
	Amount:	\$14,000.00
Fransmitter - Training	Information not provided.	

	Component Description:	Time and material
		invoice to move
		/stage/coordinate
		equipment
		installation. See
		attachments for all
		costs associated
		with this project.
		INV 1214; PO
		20965
	Amount:	\$45,327.00
25 Ton system		
	Component Description:	Progress payment
		for HVAC for
		WVVA. INV
		28131; PO 20591
	Amount:	\$119,386.25
	Component Description:	Progress invoice
		for HVAC system;
		INV 28767A - PO
		20591
	Amount:	\$20,817.75
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

Transformer 3 phase/480v - 300 KVA

Component Description: Electrical work to

install main transmitter. 1st Invoice 28781; PO

20699

Amount: \$25,408.24

Component Description: WVVA - Gates Air

- Electrical - INV US0322512 Line D - PO 20027 Q-

73721

Amount: \$3,881.49

Component Description: Amount to close

out PO for

Electrical to install

the main

transmitter. See attached cover

sheet.

Amount: \$62,641.76

Component Description: WVVA GATES

MAIN 2ND INV GO10004796-2-

LINE D

Amount: \$3,881.50

Component Description: WVVA-Gates-

Main-Elec- INV GO10004796-1,

LINE D

Amount: \$3,881.50

Switchgear - industrial 800		
amp	Component Description:	WVVA - Gates Air - RF Accessories - INV US0322512 Line C - 3rd
		invoice - PO
		20027 - Q-73721
	Amount:	\$14,880.19
	Component Description:	WVVA-Gates-
		Main-RF-INV
		GO10004796-1,
	A	LINE C
	Amount:	\$14,880.19
	Component Description:	WVVA GATES
	i i	2ND INV
		GO10004796-2
		LINE C
	Amount:	\$14,880.19
	Component Description:	WVVA change
	Component Description.	orders: Q-82352
		PO 20727; Q-
		82564 PO 20742;
		Q-83542 PO
		20818; Q-84797
		PO 20924
	Amount:	\$12,055.00
Service entrance 3 phase /800 amp/208 volt	Information not provided.	
UHF - Liquid Cooled Solid		
State Transmitter 35 - 50 kW	Component Description:	WVVA-GATES MAIN- 2ND INV GO10004796-2 -
		LINE A B E AND CHANGE ORDER
	Amount:	

Component Description: Gates Air INV #3 -

US0322512 LIne items A and B; change order Q-77979, PO 20339. 1/8/2020 - added CO Q-77979, PO

20339 for \$6031.89

Amount: \$333,782.24

Component Description: Plumbing work to

install main

transmitter; 1st inv 28782; PO 20699

Amount: N/A

Component Description: WVVA-Gates-

MAIN-TX - INV GO10004796-1 LINE- A, B and E

Amount: \$420,064.70

Component Description: 2nd invoice for

plumbing for main tx; INV 29487; PO

20699

Amount: N/A

Component Description: costs to move tx

from storage site to tower site. INV 27828; PO 20574

Amount: N/A

Component Description: WVVA - Gates -

Main TX - INV US0331604 - PO 20027 Q-73721 Lines A and E. Plus Freight \$13762.82

Amount: \$106,077.17

Component Description: Final invoice for

plumbing of prim tx

portion of PO 20699; INV 29104

Amount: \$24,281.58

Cost Information

Antennas

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

	Predetermined	Estimated	Estimated Cost		Actual Cost
Description	Cost Estimate	Cost	Justification	Actual Cost	Justification
Interim Antenna TFU-8WB-R	\$616,817.50	\$97,680.50		\$57,872.42	
FREIGHT- MFG EQ	\$2,227.50	\$2,227.50	FREIGHT EQ MFG TO STAGING PER INVOICE-93049	\$2,227.50	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A
Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	\$10,950.00	\$10,400.00	N/A	N/A	N/A

Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$3,991.92	N/A
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$20,216.25	***System Notice: Estimate adjusted and locked because line has been superseded.***	\$20,216.25	N/A
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$11,220.50	***System Notice: Estimate adjusted and locked because line has been superseded. ***TOOL ERASED EST PRICE AND ALL PREVIOUS TRANSACTION FOR THE INTERIM ANTENNA	\$11,220.50	Actual costs for equipmen and installation of equipment
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$20,216.25	***System Notice: Estimate adjusted and locked because line has been superseded.***	\$20,216.25	N/A
Primary Antenna TFU-18JTH /VP-R 04	\$207,254.30	\$205,964.30		\$75,092.88	

Fire and EMS Services for antenna install	\$1,564.30	\$1,564.30	Required Fire and EMS services for helicopter lift of antenna.	\$700.00	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$2,880.00	N/A
UHF - High Power Top Mount One Station antenna elliptically or circularly polarized	\$180,000.00	\$180,000.00	per Catalog of costs for replacement antenna. 399 tool did not populate a standard predetermined cost. Not sure why this is a standardized antenna replacement. Lowered to the Catalog min \$180,000	\$66,126.38	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$13,000.00	N/A	\$5,386.50	Per Chang orders Q- 82352, PC 20727 and 83542, PC 20924. Amount is s below the predetermin cost estima of \$13,700

Sub-total	\$824,071.80	\$303,644.80	N/A	\$132,965.30	N/A
Total for all systems	\$5,425,666.33	\$4,688,851.38	N/A	\$3,558,263.36	N/A

Components

Components		
Actual Information Description	File Name	
FREIGHT-MFG EQ	Component Description: Amount:	WVVA-DIE-ANT-INTERIM-SALES TAX- PER INV- 93049 LINE 19 - ADDED ORDER CONF 488001 \$2,227.50
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.	
Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	Information not provided.	
Sweep test of existing antenna	Component Description: Amount:	Revised with cover letter. WVVA - Resonant - Sweep test - INV RR3267 - PO 20907 \$3,991.92

UHF - Lower Power Side Mount, One station - 200- 500 kW, horizontally polarized	Component Description: Amount:	WVVA-INTERIM ANT line 1- 2nd 45 percent inv \$20,216.25
UHF - Lower Power Side Mount, One station - 200- 500 kW, horizontally	Component Description:	WVVA-DIE-ANT-
polarized	Amount:	INV 93049 LINE 1 \$4,492.50
	Component Description:	Electrical work to move conduits & fiber to new bridge to install Int Antenna; INV 29887; PO 20811
	Amount:	\$6,728.00
UHF - Lower Power Side Mount, One station - 200- 500 kW, horizontally	Component Description:	INTERIM ANT- LINE1 WVVA
polarized	Amount:	\$20,216.25
Fire and EMS Services for antenna install		
	Component Description:	Required EMS services for helicopter antenna lift: 2 ambulances and 2 crews for 4 hours.
	Amount:	\$700.00
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	

Sweep test of existing antenna		
antenna	Component Description:	SWEEP MAIN
		ANT DEPOSIT
		INV 10 PERCENT
		WVVA
	Amount:	\$640.00

Component Description: SWEEP MAIN

ANTENNA DEPOSIT INV WVVA

00000

Amount: \$2,240.00

UHF - High Power Top Mount One Station antenna elliptically or circularly polarized

Component Description: Antenna costs w/o

> VPOL charges -Dielectric - INV

568008

Amount: \$54,294.75

Component Description: This request is for

> the antenna only not for the VPOL. The amount for VPOL has been deducted from this invoice and will not be

requested due to VPOL being considered an upgrade. See cover sheet.

Amount: \$54,294.75

Component Description: MAIN ANT

> **DEPOSIT 35** PERCENT INV

WVVA

Amount: \$51,431.63

Component Description: This the 1st

invoice for

Proposal # 19358-5A on PO 20776 for the Main Antenna install

Amount: N/A

Component Description: MAIN ANTENNA

> **DEPOSIT INV 10** PERCENT WVVA

Amount: \$14,694.75 Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)

Component Description: ELBOW MAIN

DEPOSIT INV 35

PERCENT WVVA

Amount: \$4,189.50

Component Description: ELBOW -

DEPOSIT 10

PERCENT WVVA

Amount: \$1,197.00

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
Interim Transmission Line	\$14,800.00	\$14,000.00		\$11,171.50	
Flexible Air Transmission Line - dielectric, 4"	\$14,800.00	\$14,000.00	N/A	\$11,171.50	N/A
Primary Transmission Line	\$48,052.00	\$65,577.50		\$10,675.22	
Rigid Transmission Line - copper, 6 1/8"	\$35,552.00	\$53,077.50	Actual costs per invoices.	\$10,675.22	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	\$62,852.00	\$79,577.50	N/A	\$21,846.72	N/A
Total for all systems	\$5,425,666.33	\$4,688,851.38	N/A	\$3,558,263.36	N/A

Components

Actual Information		
Description	File Name	

Flexible Air Transmission		
ine - dielectric, 4"	Component Description:	WVVA DIE-LINE-
		EQ-INV 93049
		LINES 2 AND 18-
		FINAL. TOOL
		ZEROED OUT
		INTERIM ANT
	Amount:	\$1,117.14
	Component Description:	WVVA- INTERIM
	Compension 2 computer	LINE - 2nd 45
		percent inv- lines
		2 and 18
	Amount:	\$5,027.18
		. ,
	Component Description:	INTERIM LINE
		INV 45 PERCENT-
		LINES 2 AND 18
	Amount:	\$5,027.18
Rigid Transmission Line - copper, 6 1/8"		
copper, o 1/o	Component Description:	Revised INV
		626021 - freight
		for cut line
		sections - order #
		469001
	Amount:	\$5,367.47
	Component Description:	Zeroed out and
		resubmitted under
		additional line.
		Freight for cut
		lengths of line.
		INV 626021 -
		Order # 459001

Component Description: MAIN LINE -

DEPOSIT 10 PERCENT INV

LIXOLINI IINV

WVVA

Amount: \$5,307.75

Component Description: MAIN LINE

DEPOSIT 35

PERCENT INV

WVVA

Amount: \$18,577.13

Component Description: 5-18-20

Previously reimbursed.
MAN00091 Line #4: this request is for 35% of the main tx copper line. The first 10%

already

reimbursed under INV MAN00086. See cover letter for additional information and explanation.

Amount: N/A

Disconnect existing Interior RF components

Information not provided.

Cost Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justification
Primary Tower TOWER	\$591,600.00	\$911,750.00		\$686,931.47	
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	\$4,920.00	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$388,155.00	Precision Communications PO 20776; Proposal 19355- 5A	\$170,416.47	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$511,595.00	Per Actual invoices from PCI for Main & Int Antenna installs.	\$511,595.00	Costs are actual per vendor invoices.
Sub-total	\$591,600.00	\$911,750.00	N/A	\$686,931.47	N/A
Total for all systems	\$5,425,666.33	\$4,688,851.38	N/A	\$3,558,263.36	N/A

Components

Actual Information	
Description	File Name

Structural engineering tower load study for well **WVVA-TOWER Component Description:** documented tower MAP - FORD INV 206593 Amount: \$3,120.00 **Component Description:** WVVA-PJFORD ANALYSIS- INV 206072 **Amount:** \$1,800.00 Minor tower reinforcement /modifications **Component Description:** PCI Tower Mods; PO 20776; addendum to Proposal 19355-5A; INV 7750 Amount: \$41,031.47 **Component Description:** Tower Modifications; PCI ; INV 7747; PO 20776 **Amount:** \$129,385.00 Complex Tower (includes, for example, those with **Component Description:** Third invoice for candelabras and/or stacked interim antenna antennas) installation on PO 20776; INV 7748 Amount: \$25,835.00 **Component Description:** 11-27-19 WVVA -PCI - Main Install -INV 7729 -Proposal 19358-5A - See cover sheet for PO breakdown. \$58,440.00 Amount:

Component Description: WVVA - PCI -

Tower Mods 1st invoice 7685 - PO 20776. See cover

letter.

Amount: \$129,385.00

Component Description: Costs to install

interim antenna. 1st invoice. INV 7686; PO 20776. See cover letter for breakdown of PO

Amount: \$25,835.00

Component Description: PCI - Interim

Installation - INV 7728 - Proposal # 19356-5A - see cover sheet for PO

breakdown.

Amount: \$25,835.00

Component Description: 11-27-19 - WVVA -

PCI - Tower Mods

- INV 7727 -Proposal 19355-5A. See cover sheet for PO breakdown. \$129,385.00

Component Description: Main antenna

Amount:

install. WVVA -PCI - INV 7749 -

PO 20776

Amount: \$58,440.00

Component Description: Proposal 19358-

5A Main Antenna Installation. INV 7687 - PO 20776

Amount: \$58,440.00

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 Co
Outside Professional Services	\$323,837.00	\$310,035.00		\$122,172.57	
General Repack Legal Services	\$10,000.00	\$10,000.00	See attached memo-QMI Repack Invoice Memo for Shared Legal Expenses (Matter 10441100054) for Form 399-	\$7,939.16	N/A
General Consulting Engineering Services	\$2,400.00	\$2,400.00	General engineering services not captured under other category	\$2,400.00	N/A
Vendor Travel expenses	\$21,965.00	\$21,965.00	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project - see quote for estimated expenses. QC- 17010	\$7,689.41	N/A
Tower Modification Drawings	\$2,200.00	\$2,200.00	Tower modification drawings per actual invoice	\$2,200.00	N/A

Structural Analysis	\$600.00	\$600.00	Engineering services per actual invoice	\$600.00	N/A
Quarterly reporting	\$7,000.00	\$7,000.00	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.	N/A	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/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$3,519.00	N/A
Prepare request for Special Temporary Authorization	\$8,200.00	\$6,000.00	N/A	N/A	N/A

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$3,520.00	Actual costs per Lohnes & Culver invoices.	\$3,520.00	Actual costs per invoices from Lohnes & Culver.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$0.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$0.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$147,572.00	\$140,100.00	N/A	\$94,305.00	N/A
Sub-total	\$323,837.00	\$310,035.00	N/A	\$122,172.57	N/A
Total for all systems	\$5,425,666.33	\$4,688,851.38	N/A	\$3,558,263.36	N/A

Components

Description	File Name	
General Repack Legal Services	Component Description:	WBNG-BROOKS
		APRIL18 INV 3952583
	Amount:	\$99.00
	Component Description:	BROOKS-WVVA JAN-18 INV
		3949058
	Amount:	\$49.50
	Component Description:	WVVA-BROOKS
		OCT-19- INV3959632
	Amount:	\$198.00
	Component Description:	Brooks Repack
		Legal Services
		period ending Ja
	Amount:	'19; INV 3962868 \$260.00
	Component Description:	WVVA Repack Legal Services fo
		period ending Ap
		30, 2019. INV
	Amount:	3966163 \$156.00
	Component Description:	Brooks Repack Legal Services
		period ending No
	Amount:	\$126.00

Repack legal

services for period ending April 30, 2018. \$28.29 is WVVA portion of

total invoice

Amount: \$28.29

Component Description: Brooks General

Repack Legal Services period ending June 30, 2017. \$266.45 is WVVA portion of total invoice.

Amount: \$266.45

Component Description: Brooks Repack

Legal Services period ending July '19; INV 3970203

Amount: \$312.00

Component Description: Brooks - General

Repack Legal for period ending October 31, 2017. \$322.29 is WVVA portion of total

invoice.

Amount: \$322.29

Component Description: Reimbursement for

WVVA's portion of this invoice. See cover letter. Brooks Repack Legal

Service August '19;

INV 3971022

Amount: \$260.00

Repack Legal services for period ending May 31, 2017. \$190.85 is WVVA portion of total invoice.

Amount: \$190.85

Component Description: Brooks Repack

Legal Services period ending Feb '19; INV 3964372

Amount: \$52.00

Component Description: Brooks Repack

legal services period ending Nov '18; INV 3960719

Amount: \$297.00

Component Description: Brooks General

Repack legal services for period ending March 31, 2018. \$28.28 is WVVA portion of total invoice.

Amount: \$28.28

Component Description: REVISED Brooks

Repack Legal Services for period ending Oct 2019; INV 3974482. SEE cover letter for explanation of why not asking for total

amount.

Amount: \$3,358.50

Repack legal services for period

ending December 31, 2017. \$40.28 is WVVA portion of

total invoice

Amount: \$40.28

Component Description: Brooks Repack

Legal Services period ending Oct '17; INV 3945577

Amount: \$141.00

Component Description: Brooks- General

Repack Legal Services for period ending July 31, 2017. \$275.00 is WVVA portion of total invoice amount.

Amount: \$275.00

Component Description: Brooks General

Repack Legal Services for period ending November 30, 2017. \$221.58 is WVVA portion of total invoice.

Amount: \$221.58

Component Description: Brooks General

Repack legal services for period ending February 28, 2018. \$28.28 is WVVA portion of total invoice.

Amount: \$28.28

Repack Legal Services for period ending August 31, 2017. \$177.86 is 1 /7th of total invoice which is WVVA

portion.

Amount: \$117.86

Component Description: WVVA- BROOKS-

DEC18-INV3961877

Amount: \$198.00

Component Description: Brooks-WVVA

General SEPT17

inv 3944708

Amount: \$90.64

Component Description: Brooks Repack

Legal Services period ending Nov '17; INV 3946864

Amount: \$47.00

Component Description: Brooks-WVVA-

General OCT17 inv- first 6 are at 322.28 last 1 of 7 WVVA is at 322.32 to be to the penny for inv 3945578 -10-16 ADDED

 MEMO

Amount: \$322.32

Component Description: Brooks-WVVA-

General JUNE17 inv 3941325 - ONE SEVENTH SEE

MEMO

Amount: \$266.44

Component Description: WVVA BROOKS

AUG18 - INV

3957123

Amount: \$198.00

Component Description: Brooks-WVVA-

General JULY17inv 3942230 - ONE SEVENTH SEE

MEMO

Amount: \$275.00

Component Description: Brooks-General-

MAY17-GEN INV 3940170 -ONE SEVENTH- SEE

MEMO

Amount: \$190.85

Component Description: WVVA-BROOKS-

MAY18 -INV3953763

Amount: \$49.50

Component Description: Brooks Repack

Legal Services period ending June '19; INV 3968514

Amount: \$156.00

Component Description: Brooks-WVVA-

General-AUG17 inv

Amount: \$117.85

Component Description: Brooks WVVA-

General -NOV17 inv 3946865 - first 6

are at 221.57

WVVA is the last of 7 and is at 221.58 to be to the penny for the inv. -10-16-ADDED BROOKS

MEMO

Amount: \$221.58

Component Description: WVVA - BROOKS

JULY18 INV

3955736

Amount: \$99.00

Component Description: WVVA-BROOKS-

INV-3951200-

MAR18

Amount: \$49.50

Component Description: Brooks General

Repack Legal Services for period ending January 31, 2018. \$35.36 is

invoice

WVVA of total

Amount: \$35.36

Component Description: Brooks Repack

Legal Services period ending Dec '17; INV 3947924

Amount: \$188.00

General Consulting Engineering Services		
Linginicening Services	Component Description:	Consulting
		Engineer services:
		re: transmitter size.
		INV 202001-0275-
		07. NOTE: Vendor
		name is Lohnes &
		Culver; "and" was
		substituted for
		special character
		"&".
	Amount:	\$2,400.00
Vendor Travel expenses		
	Component Description:	WVVA - QCOMM -
		PM TRVL- JAN-
		JUN 19 - INV QC19-
		063
	Amount:	\$6,240.00
	Component Description:	WVVA- PM-Travel
		exp -Items-
		1010,1014,1015 -
		INV QC17-148
	Amount:	\$1,449.41
Tower Modification		
Drawings	Component Description:	Tower Modification
		drawings. INV
		216116. NOTE:
		Vendor Name is
		actually Paul J.
		Ford & Company;
		since the tool does
		not allow for special
		characters, "and"
		has been
		substituted for "&"
		in the Vendor Name
	I .	
		field.

Structural Analysis		
	Component Description:	Structural analysis of existing tower. INV 213698. NOTE: Vendor Name is actually Paul J. Ford & Company; since the tool does not allow special characters, "and" has been substituted for "&".
	Amount:	\$600.00
Quarterly reporting	Information not provided.	
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.	

Attorney Fees - Prepare and File FCC Form 2100 **Component Description: LEGAL JUNE17** (main), Construction **WVVA Permit Application** \$359.00 **Amount: LEGAL MAY17 Component Description:** WVVA Amount: \$453.00 **Component Description:** LEGAL 4-17-INV **Amount:** \$470.00 **Component Description:** LEGAL AUG17 **Amount:** \$470.00 **Component Description: LEGAL JULY17** WVVA Amount: \$1,626.00 LEGAL SEPT17 **Component Description:** WVVA \$141.00 **Amount:** Prepare request for Information not provided. **Special Temporary** Authorization Prepare engineering section of FCC Form 2100 **RF** Consulting **Component Description:** (main), License to Cover Engineer Services . Application NOTE: Vendor name is Lohnes & Culver; since the tool doesn't recognize special characters, "and"

Amount:

has been

\$3,520.00

substituted for "&".

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	ENGR- CP - INV \$1,970.00
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	ENGR NEW CH ASSIGN WVVA INV \$2,100.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	Information not provided.	

Project management of the transition

Component Description: WVVA-PM-

8THRU12-INV

QC18-023

Amount: \$8,602.50

Component Description: WVVA-QCOMM

PM- JAN - JUN 19 -

INV QC19-063

Amount: \$50,250.00

Component Description: PM-WVVA

DEPOSIT INV

Amount: \$70,007.50

Component Description: WVVA-PM-AUG-

DEC18- INV QC19-

021

Amount: \$6,150.00

Component Description: WVVA-QCOMM-

PM 1THRU3-18 -INV QC18-051

Amount: \$7,875.00

Component Description: WVVA - QCOMM

PM 4THRU7-180 INV QC18-065

Amount: \$3,015.00

Component Description: WVVA- PM-INV-

QC17-148 - PM from Mar thru Aug-17. Please delete previous INV QC17-135, submitted as it is a deposit invoice submitted prior to

the FAQ 12/20/17.

Amount: \$18,412.50

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	\$76,179.86	\$75,614.86		\$41,799.86	
Required Newspaper Notifications	\$2,115.21	\$2,115.21	Required newspaper ads notifying of frequency change.	\$2,115.21	N/A
MVPD Notification of Channel Change	\$7,900.00	\$7,900.00	Required FCC notification. Costs per actual invoices.	\$7,900.00	N/A
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	\$21,084.65	\$21,084.65	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.	\$21,084.65	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.	\$7,750.00	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.	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
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$2,950.00	N/A

Sub-total	\$76,179.86	\$75,614.86	N/A	\$41,799.86	N/A
Total for all systems	\$5,425,666.33	\$4,688,851.38	N/A	\$3,558,263.36	N/A

Components

Actual Information Description	File Name	
Required Newspaper Notifications	Component Description: Amount:	Required newspaper notifications of frequency change for WVVA. \$2,115.21
MVPD Notification of Channel Change	Component Description: Amount:	WVVA - Radio Greenbrier - med notif - INV 19100095 - PO 20889. NOTE: The PO is for 3 stations; this request is only for 1 of the stations, or 1/3 of the PO. See cover letter. \$600.00
	Component Description: Amount:	WVVA - Radio Greenbrier - med notif ads - INV 19100094 - PO 20889. NOTE: PO is for 3 stations, this request is only for one station. See cover sheet. \$600.00

Component Description: Radio Greenbrier

Med Notif for WKCJ-FM 93.3. INV 19100096 -PO 20889. NOTE: PO is for 3 stations total. This invoice

requests

reimbursement for 1 /3 of the PO total.

Amount: \$600.00

Component Description: WVVA Radio

Notifications for WKQB-FM- INV 19100131 - PO

20888

Amount: \$450.00

Component Description: WVVA Radio

notifications for Willie 94.5 - INV 19100130 - PO

20888

Amount: \$600.00

Component Description: WVVA Radio

Notifications for WKQR-FM - INV 19100119 - PO

20888

Amount: \$500.00

Component Description: WVVA Radio

Notifications for WKEZ-AM - INV 439160-1 - PO

20888

Amount: \$400.00

Component Description: WVVA Radio

notifications for WHAJ-FM - INV 439154-1 - PO

20888

Amount: \$800.00

Component Description: WVVA - WSTG

radio notifications -INV 191000406 -PO 20890. NOTE:

The actual

company name is L & P Broadcasting, but since the tool doesn't allow for special characters, "and" has been substituted for the "&" in the Vendor

Name.

Amount: \$800.00

Component Description: WVVA - WJLS-FM

radio notifications; INV 243848-1 - PO

20894

Amount: \$1,250.00

Component Description: WVVA - radio

notifications for WHIS-AM - INV 439161-1 - PO

20888

Amount: \$400.00

Component Description: WVVA - WJLS-AM

radio notifications - INV 243846-1 - PO

20894

Amount: \$900.00

Develop and air announcement of upcoming channel change

Information not provided.

Equipment Storage

Component Description: WVVA ONLY: 1st

QTR 2018 storage

fees

Amount: \$1,800.00

Component Description: Storage fees 3rd

qtr 2018 - Caseys

INV 1012

Amount: \$1,800.00

Component Description: Caseys 3rd qtr

2019 storage fee -

INV 1033

Amount: \$1,800.00

Component Description: WVVA - Caseys -

2nd qtr 2018 - INV

1009

Amount: \$1,800.00

Component Description: WVVA - Caseys -

1st qtr rent 2019 -

INV 1027

Amount: \$1,800.00

Component Description: WVVA - 2nd QTR

2019 storage fees -

INV 1030

Amount: \$1,800.00

Component Description: WVVA - trailer for

equipment storage - inc delivery of trailer - INV 649025

- sales order 459001

Amount: \$10,284.65

Equipment Delivery and Handling Charges	On many and Danaghatian	
	Component Description:	Forklift rental fee for 1/11/2018 -
		Caseys - INV1004
	Amount:	\$250.00
	Component Description:	WVVA - forklift
		rental and
		equipment delivery
		fee - CAseys INV
	Amount:	1036 \$7,500.00
	Amount.	\$7,500.00
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover	Information not provided.	
application		
DTV Medical Facility Notification		
INOUNGAUON	Component Description:	WVVA - RF
		Notifications -
		Medical Notification
		Mailing - INV 1327
	Amaunt	- PO 20008
	Amount:	\$2,950.00

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$5,425,666.33	\$4,688,851.38	\$3,558,263.36

Reimbursem	entestatus	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

07/02/2020

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

07/02/2020

Attachments