Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **74176** | Service: **DTV** | Call Sign: **WVVA** | Channel: **17 (UHF)**

File Number: **0000027484**

FRN: **0018223693** | Date Submitted: **07/06/2020**

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 Information

Reimbursement Contact Name and 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 and Type	Manufacturer	
	Model	Power CD
	Year	2006
	Type	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
	Type	Cooling Only
	Size	25 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other 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
Nitrogen and Oxygen	Nitrogen and Oxygen supply for install activiites
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.
Move and stage equipment	Costs to move/stage/coordinate a complex installation. Time and material invoice.
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

Site Survey - TX	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.
Disconnect existing Transmitter	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.
Transmitter - Training	Transmitter training - offsite - 1 week in duration at mfg site.

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
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other 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

Primary Antenna

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 Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	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

Primary Antenna

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 Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	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 filing.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Type	
	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

Primary Antenna

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 Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	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.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	B
	Feed Line Size	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 Line

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Transmission Line

Existing Transmission 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 Line Manufacturer and Type	Manufacturer	
	Type	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 Line

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
	Type	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 Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Disconnect existing Interior RF components	Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.

Interim Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	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.

Interim Transmission Line

Other Transmission Line Expenses Not Listed

Information 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 Registration	Do you have a tower registration number?	Yes
	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 Services Costs

Section	Question	Response
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 Services Costs

Other Professional Services Expenses Not Listed

Name	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

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
Primary Transmitter ULXTE-72	**$2,032,027.83**	**$2,102,268.60**		**$1,789,618.79**	
Transmitter - Training	***$3,300.00***	$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A	N/A

Disconnect existing Transmitter	***$20,000.00***	$20,000.00	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	N/A	N/A
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
Sales Tax Equipment-Main TX	***$78,988.75***	$78,988.75	est sales tax for main tx equipment per quote Q-73721	$26,329.58	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

Move and stage equipment	***$45,327.00***	$45,327.00	Time and materials to move/stage /coordinate equipment during installation of a complex project.	$0.00	N/A
Cabling, Lighting, Demo	***$76,492.00***	$76,492.00	Costs to install fiber optic cable, tower lighting and demolition of certain equipment due to repack efforts.	$55,405.53	N/A
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
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

Nitrogen and Oxygen	***$179.08***	$179.08	Nitrogen /Oxygen cylinder rentals charges for install activities	$179.08	N/A
Sub-total	$3,547,125.67	$3,008,229.22	N/A	$2,507,220.44	N/A
Total for all systems	$5,425,666.33	$4,688,851.38	N/A	$3,567,231.11	N/A

Components

Actual Information Description	File Name
Sales Tax-EQ	**Component Description:** WVVA- GATES-INTERIM-SALES TAX-INV GO10004797-1 **Amount:** $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:** **Amount:**	Lines A & B only. Third invoice for interim transmitter. INV US0322513; Quote Q-73720 $150,773.07
UHF - Air Cooled Solid State Transmitter 10 - 12 kW	**Component Description:** **Amount:**	WVVA-GATES-INTERIM TX INV-GO10004797-1 LINES A,B AND D. $197,357.14

UHF - Air Cooled Solid State Transmitter 19.2 kW	**Component Description:**	WVVA-GATES-INV 2ND INV GO10004797-2 LINES A B AND D- q-73720
	Amount:	$197,357.14
	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:	Southern Air - first inv int tx bridge work - INV 29144 - PO 20764
	Amount:	$27,275.37
	Component Description:	Plumbing work to install Interim tx. 1st inv 28777; PO 20663
	Amount:	$11,285.07
	Component Description:	Interim TX - 3rd invoice - US0322513 - Q-73720 - Lines A and B only.
	Amount:	N/A
Transmitter - Training	Information not provided.	

Disconnect existing Transmitter	Information not provided.	
Site Survey - TX	**Component Description:** **Amount:**	WVVA-SURVEY-INV-QC18-031 $14,000.00
Sales Tax Equipment-Main TX	**Component Description:** **Amount:**	WVVA-Gates-Main-tx-sales-tax-GO10004796-1 $26,329.58
Securirty - Site	Information not provided.	
Move and stage equipment	**Component Description:** **Amount:**	Time and material invoice to move /stage/coordinate equipment installation. See attachments for all costs associated with this project. INV 1214; PO 20965 $45,327.00

Cabling, Lighting, Demo	**Component Description:**	costs to install fiber optic, tower lighting, and bldg & cable demo. Southern Air - INV 30500 - PO 20836
	Amount:	$42,809.67
	Component Description:	Bldg & Cable demo portion of PO 20836. Final invoice for CO3. INV 31078
	Amount:	$12,595.86
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
	Component Description:	WVVA - Southern Air - Prim Plumbing - INV 29487 - PO 20699
	Amount:	$31,588.83
	Component Description:	Revised WVVA First invoice for plumbing work to install main tx. INV 28782 - PO 20699
	Amount:	$8,920.59
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:	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
	Component Description:	Amount to close out PO for Electrical to install the main transmitter. See attached cover sheet.
	Amount:	$62,641.76

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 2ND INV GO10004796-2 LINE C
	Amount:	$14,880.19
	Component Description:	WVVA change orders: Q-82352 PO 20727; Q-82564 PO 20742; Q-83542 PO 20818; Q-84797 PO 20924
	Amount:	$12,055.00
	Component Description:	WVVA-Gates-Main-RF-INV GO10004796-1, LINE C
	Amount:	$14,880.19
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 TX - INV US0331604 - PO 20027 Q-73721 Lines A and E. Plus Freight $13762.82
	Amount:	$106,077.17

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:	costs to move tx from storage site to tower site. INV 27828; PO 20574
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:	WVVA-GATES MAIN- 2ND INV GO10004796-2 - LINE A B E AND CHANGE ORDER TO MASK Q-77979
Amount:	$436,245.43

	Component Description:	Final invoice for plumbing of prim tx portion of PO 20699; INV 29104
	Amount:	$24,281.58
	Component Description:	Plumbing work to install main transmitter; 1st inv 28782; PO 20699
	Amount:	N/A
Nitrogen and Oxygen		
	Component Description:	Cylinder rental nitrogen & oxygen for transmitter install activities. INV 9965974650
	Amount:	$179.08

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna 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

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 equipmer and installation c equipment
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	$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**		**$129,387.63**	

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	$120,421.13	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 Change orders Q-82352, PO 20727 and C 83542, PO 20924. Amount is st below the predetermine cost estimat of $13,700

Sub-total	$824,071.80	$303,644.80	N/A	$187,260.05	N/A
Total for all systems	$5,425,666.33	$4,688,851.38	N/A	$3,567,231.11	N/A

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.	
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	**Component Description:** **Amount:** **Component Description:** **Amount:**	WVVA-DIE-ANT-INV 93049 LINE 1 $4,492.50 Electrical work to move conduits & fiber to new bridge to install Int Antenna; INV 29887; PO 20811 $6,728.00

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 polarized	**Component Description:** **Amount:**	INTERIM ANT-LINE1 WVVA $20,216.25
Fire and EMS Services for antenna install	**Component Description:** **Amount:**	Required EMS services for helicopter antenna lift: 2 ambulances and 2 crews for 4 hours. $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	**Component Description:**	SWEEP MAIN ANTENNA DEPOSIT INV WVVA
	Amount:	$2,240.00
	Component Description:	SWEEP MAIN ANT DEPOSIT INV 10 PERCENT WVVA
	Amount:	$640.00
UHF - High Power Top Mount One Station antenna elliptically or circularly polarized	**Component Description:**	Total invoice less E-POL upgrade. WVVA - Dielectric - Antenna - INV 568008
	Amount:	$54,294.75
	Component Description:	7-6-2020 Zeroed out request and entered under new component. Antenna costs w/o VPOL charges - Dielectric - INV 568008
	Amount:	N/A
	Component Description:	This the 1st invoice for Proposal # 19358-5A on PO 20776 for the Main Antenna install
	Amount:	N/A

	Component Description:	MAIN ANT DEPOSIT 35 PERCENT INV WVVA
	Amount:	$51,431.63
	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 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	$3,567,231.11	N/A

Components

Actual Information Description	File Name

Flexible Air Transmission Line - 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 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"	**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
	Amount:	N/A
	Component Description:	MAIN LINE - DEPOSIT 10 PERCENT INV WVVA
	Amount:	$5,307.75

	Component Description: **Amount:** **Component Description:** **Amount:**	MAIN LINE DEPOSIT 35 PERCENT INV WVVA $18,577.13 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. 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 Justificati
Primary Tower TOWER	**$591,600.00**	**$911,750.00**		**$686,931.47**	
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.
Minor tower reinforcement /modifications	$158,000.00	$388,155.00	Precision Communications PO 20776; Proposal 19355-5A	$170,416.47	N/A
Structural engineering tower load study for well documented tower	$12,600.00	$12,000.00	N/A	$4,920.00	N/A
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	$3,567,231.11	N/A

Components

Actual Information Description	File Name
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	

Component Description:	11-27-19 WVVA - PCI - Main Install - INV 7729 - Proposal 19358-5A - See cover sheet for PO breakdown.
Amount:	$58,440.00
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.
Amount:	$129,385.00

	Component Description:	Third invoice for interim antenna installation on PO 20776; INV 7748
	Amount:	$25,835.00
	Component Description:	Main antenna 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
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

Structural engineering tower load study for well documented tower	**Component Description:**	WVVA- TOWER MAP - FORD INV 206593
	Amount:	$3,120.00
	Component Description:	WVVA-PJFORD ANALYSIS- INV 206072
	Amount:	$1,800.00

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 Justificati
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

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
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
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	$3,567,231.11	N/A

Components

Actual Information Description	File Name
General Repack Legal Services	**Component Description:** WVVA-BROOKS-OCT-19-INV3959632 **Amount:** $198.00 **Component Description:** Brooks Repack Legal Services period ending Jan '19; INV 3962868 **Amount:** $260.00 **Component Description:** WVVA Repack Legal Services for period ending April 30, 2019. INV 3966163 **Amount:** $156.00 **Component Description:** Brooks General 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:	Reimbursement for WVVA's portion of this invoice. See cover letter. Brooks Repack Legal Service August '19; INV 3971022
Amount:	$260.00
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
Component Description:	Brooks General 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
Component Description:	Brooks General 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:	Brooks Repack Legal Services period ending Nov '19; INV 3975577
Amount:	$126.00
Component Description:	Brooks General Repack Legal Services for period ending January 31, 2018. $35.36 is WVVA of total invoice
Amount:	$35.36

Component Description:	Brooks-WVVA General SEPT17 inv 3944708
Amount:	$90.64
Component Description:	Brooks-General-MAY17-GEN INV 3940170 -ONE SEVENTH- SEE MEMO
Amount:	$190.85
Component Description:	WVVA BROOKS AUG18 - INV 3957123
Amount:	$198.00
Component Description:	Brooks Repack Legal Services period ending Dec '17; INV 3947924
Amount:	$188.00
Component Description:	WVVA - BROOKS JULY18 INV 3955736
Amount:	$99.00
Component Description:	WVVA-BROOKS-INV-3951200-MAR18
Amount:	$49.50
Component Description:	Brooks-WVVA-General JUNE17 inv 3941325 - ONE SEVENTH SEE MEMO
Amount:	$266.44

Component Description:	WBNG-BROOKS APRIL18 INV 3952583
Amount:	$99.00
Component Description:	Brooks-WVVA-General-AUG17 inv
Amount:	$117.85
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:	WVVA- BROOKS-DEC18-INV3961877
Amount:	$198.00
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:	Brooks - General Repack Legal for period ending October 31, 2017. $322.29 is WVVA portion of total invoice.
Amount:	$322.29
Component Description:	Brooks General Repack Legal services for period ending May 31, 2017. $190.85 is WVVA portion of total invoice.
Amount:	$190.85
Component Description:	BROOKS-WVVA-JAN-18 INV 3949058
Amount:	$49.50
Component Description:	Brooks Repack Legal Services period ending Nov '17; INV 3946864
Amount:	$47.00
Component Description:	WVVA-BROOKS-MAY18 - INV3953763
Amount:	$49.50
Component Description:	Brooks-WVVA-General JULY17-inv 3942230 - ONE SEVENTH SEE MEMO
Amount:	$275.00

	Component Description:	Brooks Repack Legal Services period ending June '19; INV 3968514
	Amount:	$156.00
General Consulting Engineering 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
Perform engineering study for new channel assignment and antenna development	**Component Description:**	ENGR NEW CH ASSIGN WVVA INV
	Amount:	$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 4THRU7-180 INV QC18-065
	Amount:	$3,015.00
	Component Description:	WVVA-QCOMM PM- JAN - JUN 19 - INV QC19-063
	Amount:	$50,250.00
	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
	Component Description:	WVVA-QCOMM-PM 1THRU3-18 - INV QC18-051
	Amount:	$7,875.00
	Component Description:	WVVA-PM-AUG-DEC18- INV QC19-021
	Amount:	$6,150.00
	Component Description:	PM-WVVA DEPOSIT INV
	Amount:	$70,007.50

Tower Modification Drawings	**Component Description:** **Amount:**	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 field. $2,200.00
Structural Analysis	**Component Description:** **Amount:**	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 "&". $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 (main), Construction Permit Application	**Component Description:** **Amount:**	LEGAL MAY17 WVVA $453.00
	Component Description: **Amount:**	LEGAL JULY17 WVVA $1,626.00
	Component Description: **Amount:**	LEGAL AUG17 $470.00
	Component Description: **Amount:**	LEGAL SEPT17 WVVA $141.00
	Component Description: **Amount:**	LEGAL JUNE17 WVVA $359.00
	Component Description: **Amount:**	LEGAL 4-17-INV $470.00
Prepare request for Special Temporary Authorization	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	**Component Description:** **Amount:**	RF Consulting Engineer Services . NOTE: Vendor name is Lohnes & Culver; since the tool doesn't recognize special characters, "and" has been substituted for "&". $3,520.00

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:**	ENGR- CP - INV $1,970.00

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 Justificat
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	$3,567,231.11	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:** **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 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-AM radio notifications - INV 243846-1 - PO 20894
Amount:	$900.00
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

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 - trailer for equipment storage - inc delivery of trailer - INV 649025 - sales order 459001
	Amount:	$10,284.65
	Component Description:	WVVA - 2nd QTR 2019 storage fees - INV 1030
	Amount:	$1,800.00
	Component Description:	WVVA - Caseys - 1st qtr rent 2019 - INV 1027
	Amount:	$1,800.00

Equipment Delivery and Handling Charges	**Component Description:** **Amount:** **Component Description:** **Amount:**	Forklift rental fee for 1/11/2018 - Caseys - INV1004 $250.00 WVVA - forklift rental and equipment delivery fee - CAseys INV 1036 $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 application	Information not provided.	
DTV Medical Facility Notification	**Component Description:** **Amount:**	WVVA - RF Notifications - Medical Notification Mailing - INV 1327 - PO 20008 $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	$3,567,231.11

Reimbursement Status

Question	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

Certification

Section	Question	Response
Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
	1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.	

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

	8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**BRADY DREASLER** *CORPORATE DIRECTOR OF ENGINEERING* 07/06/2020

Certification

Section	Question	Response
Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
	1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

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

	8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**BRADY DREASLER** *CORPORATE DIRECTOR OF ENGINEERING* 07/06/2020

Attachments