

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 19183 Service: DTV Call WZVN-TV Channel: 28 (UHF)

ID:

Sign:

File **0000028624**

Number:

FRN: **0001733518** Date **12/29**

Submitted: /2019

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
MONTCLAIR COMMUNICATIONS, INC. Doing Business As: MONTCLAIR COMMUNICATIONS, INC.	Lara W. Kunkler 101 DEVON RD. CHARLOTTESVILLE, VA 22903 United States	+1 (434) 220- 2918	KUNK@WATER. NET	Corporation

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Daniel Eugene Billings Director of Engineering Montclair Communications, Inc.	Dan Billings 3719 Central Avenue Fort Myers, FL 33901 United States	+1 (239) 939- 6299	danb@water. net

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.	Yes
Briefly describe transition plan	Replace current channel 41 TX with a new channel 28 TX. Encode ABC with WBBH and broadcast on the WBBH signal. Install temporary antenna. Remove old top mount antenna. Transition to new to new E pol to mount antenna when install completed

Transmitters

S Section	Question	Response
Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	Waterman Broadcasting, LLC
	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	DCX-2H
	Year	2002
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	40 kW

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	PRLX U24 D28
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	40 kW
	Justification for New Transmitter	Manufacturer will not retune current transmitter. This purchase represents "Like for Like" replacement to ensure operations maintain current flexibility. See attachment "WZVN 399 Cost Estimate Questions and Answers" for further explanation.

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Onsite electrical contractor estimate for all electrical work needed to install the new transmitter.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	10 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

Other Transmitter Cost Not Listed

Name	Description
Transmitter Shipping	The estimated cost of shipment for the new transmitter to our facility.
Surge Suppressor	Replacement of current surge suppression with system suitable for the solid state transmitter.
Temporary storage	Temporary storage of new transmitter, filters, combiner, heat exchangers and associated hardware.
Transmitter offloading	The estimated cost to offload and place the new transmitter in our building.
State Sales Tax	State sales tax levied on equipment at 6 percent.
Remote control rebuild	Rebuild remote control system to work with new transmitter.
Current transmitter removal	Disassemble current transmitter, filters, combiner, heat exchangers, piping, etc. Remove from site.

Antennas

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

Primary Antenna

Add Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	Waterman Broadcasting, LLC
	Site	N/A
	Is this antenna currently shared with any other stations?	Yes
	Is this antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Broadband Panel
	Number of Stations Supported	2
	Number of Panels	56
	Design power capacity in use	80.0 %
	Lower Limit	476.00 MHz
	Upper Limit	638.00 MHz
	Other Antenna Type	N/A

ERP: (Effective Radiated Power)	1000.0 kW
Manufacturer	
Model	ABBP14H3- HTP4-15/41
Year	2002

Facility ID's and Call Signs of all stations with whom the antenna is shared.

Facility ID	Call Sign
71085	WBBH-tv

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	Leased
	Owner	Waterman Broadcasting, LLC
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Broadband Panel
	Number of Stations Supported	2
	Number of Panels/Bays	42
	Lower Limit	476.00 MHz
	Upper Limit	560.00 MHz
	Design power capacity in use	70.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW
	Manufacturer	

Model	TUM30-P4-14 /42H-1-R
Year	2018
Justification for New Antenna	Current antenna pattern and performance questionable at channel 28. Replace to maintain current performance and upgrade to E Pol for ATSC 3.0. See attachment "WZVN 399 Cost Estimate Questions and Answers" for further explanation.

Primary Antenna

Other Antenna Costs

Question	Response
Do you need a Combiner for a Shared Antenna?	Yes
Туре	New
Number of channels supported	2
Frequencies of channels supported	RF channel
Frequency	N/A
Do you need a combiner output splitter /switcher for dual feed lines?	No
Do you require the separate purchase of the Elbow Complex?	Yes
	Do you need a Combiner for a Shared Antenna? Type Number of channels supported Frequencies of channels supported Frequency Do you need a combiner output splitter /switcher for dual feed lines? Do you require the separate purchase of

	Broadband or Single Channel?	Broadband
	Feed Line Size	7 3/16 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Enter a list of RF channel numbers.

RF Channel Number	
28	
15	

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
State Sales Tax	State sales tax levied on equipment at 6 percent.
New Main Antenna Shipping	Estimated cost to ship new main antenna from Europe,
Current Antenna Analysis	Parameter analysis pattern tabulation of current Alan Dick antenna.
Temporary main antenna storage	Portable temporary storage for the new main antenna and associated hardware prior to installation.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Leased
	Owner	Waterman Broadcasting, LLC
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
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	2
	Number of Panels/Bays	24
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	50.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	541.0 kW
	Manufacturer	

Model	TFU-24WB C160 CH 14- 51
Year	2018
Justification for New Antenna	To be used during time the main top mount antenna and line are being changed. This is a Dielectric slotted side mounted antenna. See attachments "exhibit a" and "WZVN 399 Cost Estimate Questions and Answers" for quote and requirement explanation.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	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?	В
	Feed Line Size	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Interim Antenna

Other Antenna Cost Not Listed

Name	Description
State Sales Tax	State sales tax levied on equipment at 6 percent.
Interim Operaton plumbing	This is the cost for in building plumbing hardware and installation to the Interim antenna system.
Temporary interim antenna storage	Portable storage facility for temporary storage of the interim antenna prior to installation.
Interim antenna shipment	Estimated cost to ship interim antenna.

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

Existing Transmission Line

Primary Transmission

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?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Туре	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1575 feet per run

Facility ID's and Call Signs of all stations with whom the transmission line is shared.

Facility ID	Call Sign
71085	WBBH-TV

New Transmission Line

Primary Transmission Line

New Transmission Line
Costs

	Question	Response
nission Line	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Туре	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1575 feet per run
	Justification for New Transmission Line	Current transmission line cut and optimized for channels 15 and 41. Will change to line optimized for new channel 28 and 15.

Primary

Other Transmission Line Expenses Not Listed

Transmission	Naine	Description
	Shipment of main TX line	Shipment of the main transmission line to our facility.

State sales tax	State sales tax levied on equipment at 6 percent.
Temporary main TX line storage	Portable temporary storage of the main transmission line before installation.

Interim

New Transmission Line

Interim Transmissio	n Line Section	Question	Response
	New Transmission Line Costs	Use	Interim
		Description of Use	N/A
		Change Type	Purchase New
		Туре	Rigid
		Diameter	6 1/8 inches
		Segment Length	Broadband
		Other Segment Length	
		Number of parallel runs	1
		Length	1575 feet per run
		Justification for New Transmission Line	Needed to stay in operation while permanent line, antenna and ABC transmitter are installed.

Interim

Other Transmission Line Expenses Not Listed

Transmission Line	Description	
	Shipment of interim TX line	Shipment of the interim transmission line to our facility.
	State sales tax	State sales tax levied on equipment at 6 percent.
	Temporary storage for interim TX line	Portable temporary storage for the interim transmission line prior to installation.

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?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	Yes
	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	1231697
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	26° 49' 22.4" N-
	Longitude (NAD83)	081° 45' 53.6" W-
	Overall Structure Height	1516.06 feet
	Support Structure Height	1457.66 feet
	Ground Elevation Above Mean Sea Level (AMSL)	33.14 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Waterman Broadcasting Corp. of Florida
Date Constructed	09/13/2002

FM, AM or TV radio broadcasters. Facility ID's, Call Signs and Services of other broadcast stations with whom the tower is shared

Facility ID	Call Sign	Service
71085	WBBH-TV	DTV

Other Types of Users

Users	
EMS	
LoJack	

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	N/A
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	915
	Explanation	Manage the delivery of new transmitter and RF systems, storage, installation process and disposal of old equipment. Manage tower modifications and line and antenna installation. Processing Form 399.
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	No
	For Auxiliary Facility	N/A
	For Main Facility	N/A
	Prepare request for Special Temporary Authority	Yes
	Quantity	1

	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	No
	For Auxiliary Facility	N/A
	For Main Facility	N/A
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	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	No
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A

Justification N/A

Outside Professional

Other Professional Services Expenses Not Listed

Services Costs	Description
Comark	Site Design Service - On site analysis, layout and drawings for new transmitter and RF system. See attachments "exhibit f" and "WZVN 399 Cost Estimate Questions and Answers" costs already incurred and for further explanation.
DTV Pros	The company will assist with quotations and add efficiency throughout project. See attachments "exhibit a" and "WZVN 399 Cost Estimate Questions and Answers" for further explanation.
Washington Engineering	Antenna pattern analysis and CP for channel 28 and repack consultation. Cohen, Dippell and Everist. P.C. See attachment "WZVN 399 Cost Estimate Questions and Answers" for further explanation.

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	Yes
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	No
	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
Comark Training	Training for two company engineers so that transmitter may be maintained to FCC specifications. Same as with current transmitter.

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter PRLX U24 D28	\$1,667,417.05	\$1,352,734.05		\$1,221,005.36	
Current transmitter removal	\$20,575.00	\$20,575.00	Removal of current transmitter, RF system and cooling system Includes disposal. Per Comark estimate.	\$19,546.25	N/A
Remote control rebuild	\$8,000.00	\$8,000.00	Rebuild remote control system to work with new transmitter.	\$5,308.82	N/A
State Sales Tax	\$71,898.05	\$71,898.05	see Estimated Cost Justification WZVN-110- 1st Primary Transmitter - State Sales Tax v0	\$71,898.05	N/A
Transmitter offloading	\$6,000.00	\$6,000.00	Comark quoted cost.	\$5,700.00	N/A

Surge Suppressor	\$8,800.00	\$8,800.00	Replacement of current surge- suppressor with unit specified for new transmitter. Comark quoted cost.	N/A	N/A
Transmitter Shipping	\$16,945.00	\$16,945.00	Comark quoted cost.	\$16,097.75	N/A
Other Electrical Service: Onsite electrical contractor estimate for all electrical work needed to install the new transmitter.	\$18,299.00	\$18,299.00	N/A	\$248.34	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,160,217.00	Comark quoted cost.	\$1,102,206.15	N/A
10 Ton system	\$38,900.00	\$37,000.00	N/A	N/A	N/A
Temporary storage	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Sub-total	\$1,667,417.05	\$1,352,734.05	N/A	\$1,221,005.36	N/A
Total for all systems	\$4,920,959.10	\$4,369,678.25	N/A	\$2,230,637.42	N/A

Actual Information Description	File Name	
Current transmitter removal	Component Description:	WZVN-110-1st Primary Transmitter - Removal of Existing Transmitter
	Amount:	\$9,258.75
	Component Description: Amount:	Removal of existing transmitters \$10,287.50
Remote control rebuild		
	Component Description:	BURK IU IP- BASED TRANSMITTER R /C
	Amount:	\$5,308.82
State Sales Tax		
	Component Description:	WZVN-110-1st Primary Transmitter - State Sales Tax
	Amount:	\$35,838.69
	Component Description: Amount:	Taxes \$36,059.36
Transmitter offloading		M70014404
	Component Description:	WZVN-110-1st Primary Transmitter - Transmitter Offloading
	Amount:	Offloading \$2,700.00
	Component Description:	Transmitter
	Amount:	Offloading \$3,000.00

Surge Suppressor	Information not provided.	
Transmitter Shipping	Component Description: Amount:	WZVN-110-1st Primary Transmitter - Shipping \$7,625.25
	Component Description: Amount:	Transmitter Transportation \$8,472.50
Other Electrical Service: Onsite electrical contractor estimate for all electrical work needed to install the new transmitter.	Component Description: Amount:	Trip Charge, 4SQ Box, 1/2' Mud Ring \$248.34
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Component Description: Amount:	System, WZVN PRLX U24 D28 \$522,097.65
	Component Description: Amount:	SYSTEM, WZVN PRLX U24 D28; TV Transmitter Installation; Transmitter Proof of Performance; Removal of Existing DCX-2 IOT Transmitter; Transportation /Offloading \$580,108.50
		4000 , 100.00
10 Ton system	Information not provided.	

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-24WB C160 CH 14- 51	\$456,300.00	\$454,120.00		\$128,217.70	
Interim antenna shipment	\$18,000.00	\$18,000.00	N/A	N/A	N/A
Temporary interim antenna storage	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Interim Operaton plumbing	\$20,000.00	\$20,000.00	Additional transmission line plumbing and labor for temporary operation.	N/A	N/A
State Sales Tax	\$12,720.00	\$12,720.00	State sales tax on interim antenna related equipment.	\$3,734.50	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 6 1/8. feedline (if needed)	\$13,700.00	\$13,000.00	Interim antenna elbow complex.	\$8,937.60	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Sweep testing of interim antenna.	N/A	N/A
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 541 kW input, directional,, horizontally polarized	\$357,000.00	\$357,000.00	Dielectric side mount 24 bay antenna including installation.	\$115,545.60	N/A
Primary Antenna TUM30-P4- 14/42H-1-R	\$938,945.00	\$831,915.00		\$312,326.90	
Temporary main antenna storage	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Current Antenna Analysis	\$3,000.00	\$3,000.00	N/A	N/A	N/A
New Main Antenna Shipping	\$25,000.00	\$25,000.00	Estimated cost for shipment of Alan Dick	N/A	N/A

State Sales Tax	\$30,165.00	\$30,165.00	Estimated state sales tax for primary antenna related equipment.	\$9,096.90	N/A
Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)	\$16,850.00	\$16,000.00	New main antenna elbow complex.	\$10,684.80	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$48,750.00	Comark quoted combiner cost for channel 15 and channel 28.	N/A	N/A
UHF - High Power Top Mount (200- 1000 kW), Two Station broadband panel antenna, elliptically or circularly polarized	\$768,000.00	\$697,600.00	Alan Dick quoted E Pol panel antenna replacement including installation.	\$287,425.20	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Sweep testing of new antenna.	\$5,120.00	N/A
Sub-total	\$1,395,245.00	\$1,286,035.00	N/A	\$440,544.60	N/A
Total for all systems	\$4,920,959.10	\$4,369,678.25	N/A	\$2,230,637.42	N/A

Actual Information Description	File Name	
Interim antenna shipment	Information not provided.	
Temporary interim antenna storage	Information not provided.	
Interim Operaton plumbing	Information not provided.	
State Sales Tax	Component Description:	WZVN-210- Primary Antenna -
	Amount:	State Sales Tax \$3,734.50
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Component Description:	WZVN-280- Interim Antenna - Elbow Complex,
	Amount:	Broadband, 6 1/8" \$4,468.80
	Component Description: Amount:	Interim Antenna, Elbow Complex \$4,468.80
Sweep test of existing antenna	Information not provided.	

UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 541 kW input, directional,, horizontally polarized	Component Description:	WZVN-280- Interim Antenna - UHF High Power Side Mount
	Amount:	Antenna, H-POL \$57,772.80
	Component Description: Amount:	Interim Antenna \$57,772.80
Temporary main antenna storage	Information not provided.	
Current Antenna Analysis	Information not provided.	
New Main Antenna Shipping	Information not provided.	
State Sales Tax	Component Description: Amount:	sales tax to the State of Florida \$9,096.90
Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)	Component Description:	WZVN-210- Primary Antenna - Elbow Complex, Broadband, 7 3 /16"
	Amount:	\$5,342.40
	Component Description:	Primary Antenna, Elbow Complex
	Amount:	\$5,342.40
New combiner, cost per channel (without antenna)	Information not provided.	

UHF - High Power Top Mount (200-1000 kW), Two **Component Description:** UHF high power Station broadband panel top mount antenna, elliptically or \$143,712.60 Amount: circularly polarized **Component Description:** UHF - HIGH POWER TOP **MOUNT (200-**1000KW) Amount: \$143,712.60 Sweep test of existing antenna **Component Description:** Primary Antenna -Sweep Test Amount: \$2,560.00 **Component Description:** WZVN-210-Primary Antenna -Sweep Test Amount: \$2,560.00

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	\$395,780.00	\$378,455.00		\$0.00	
Temporary storage for interim TX line	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Rigid Transmission Line - copper, 6 1 /8" broadband	\$365,400.00	\$348,075.00	N/A	N/A	N/A
Shipment of interim TX line	\$4,500.00	\$4,500.00	Shipment of interim transmission line to our facility.	N/A	N/A
State sales tax	\$20,880.00	\$20,880.00	State sales tax for interim line related equipment.	N/A	N/A
Primary Transmission Line	\$568,475.00	\$543,275.00		\$246,714.78	
Temporary main TX line storage	\$5,000.00	\$5,000.00	N/A	N/A	N/A
State sales tax	\$30,000.00	\$30,000.00	State sales tax on new main line related equipment.	\$7,185.87	N/A

Rigid Transmission Line - copper, 7 3 /16" broadband	\$524,475.00	\$499,275.00	N/A	\$239,528.91	N/A
Shipment of main TX line	\$9,000.00	\$9,000.00	Shipment of main transmission line to our facility.	N/A	N/A
Sub-total	\$964,255.00	\$921,730.00	N/A	\$246,714.78	N/A
Total for all systems	\$4,920,959.10	\$4,369,678.25	N/A	\$2,230,637.42	N/A

Components

Actual Information Description	File Name	
Temporary storage for interim TX line	Information not provided.	
Rigid Transmission Line - copper, 6 1/8" broadband	Information not provided.	
Shipment of interim TX line	Information not provided.	
State sales tax	Information not provided.	
Temporary main TX line storage	Information not provided.	
State sales tax		
	Component Description:	WZVN-280- Interim Antenna - State Sales Tax
	Amount:	\$7,185.87

Rigid Transmission Line - copper, 7 3/16" broadband	Component Description: Amount:	Rigid transmission line - copper \$119,764.44
	Component Description:	Rigid transmission
	Amount:	line - copper \$119,764.47
Shipment of main TX line	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 Cost Justification
Primary Tower TOWER	\$381,100.00	\$411,740.00		\$204,924.52	
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	N/A	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$199,740.00	Proposal TCI-18- 015D	\$99,870.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	\$105,054.52	N/A
Sub-total	\$381,100.00	\$411,740.00	N/A	\$204,924.52	N/A
Total for all systems	\$4,920,959.10	\$4,369,678.25	N/A	\$2,230,637.42	N/A

Components

Actual Information Description	File Name	
Structural engineering tower load study for well documented tower	Information not provided.	
Minor tower reinforcement /modifications	Component Description:	Tower reinforcements /modifications; 1516 ft guyed tower
	Amount:	\$99,870.00

Tall Tower (greater than 500')

Component Description: Conduit \$11,654.52

Component Description: Tower Equipment and Rigging Costs,

Amount:

Tall Tower \$93,400.00

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	\$331,144.55	\$335,416.70		\$110,807.60	
Washington Engineering	\$17,349.55	\$17,349.55	see Estimated Cost Justification WZVN-530- RF Eng - Washington Engineering v2	\$18,734.25	invoices
DTV Pros	\$3,500.00	\$3,500.00	N/A	N/A	N/A
Comark	\$15,300.00	\$15,300.00	N/A	\$12,300.00	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A

Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$10,000.00	N/A	N/A	N/A
NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	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	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$8,479.30	Cohen, Dippell and Everist, P. C. Invoices #WZVN1231; #WZVN022819	\$8,479.30	N/A

Perform engineering study for new	\$7,360.00	\$19,537.85	invoice;	\$16,480.05	N/A
•			invoices		
•			Cohen Dippell		
channel			and Everist, P.		
assignment			C.		
and antenna			WZVN032919		
development			and		
			WZVN043019;		
			Justifying		
			Invoice -		
			WZVN-TV		
			Cohen		
			WZVN053119		
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$495.00	N/A
Project management of the transition	\$144,570.00	\$138,750.00	N/A	\$54,319.00	N/A
Sub-total	\$331,144.55	\$335,416.70	N/A	\$110,807.60	N/A
Total for all systems	\$4,920,959.10	\$4,369,678.25	N/A	\$2,230,637.42	N/A

Components

Actual Information Description	File Name	
Washington Engineering		
	Component Description: Amount:	Consulting Engineering Services \$1,541.70
	Component Description:	Consulting Engineering Services
	Amount:	\$3,370.55

Component Description: Consulting

engineering services through April 2019 concerning

preliminary study of possible coverage for temporary

broadband antenna

Amount: \$1,404.10

Component Description: Consulting

Engineering Services

Amount: \$2,623.20

Component Description: April 2018 **Amount:** \$1,384.70

Component Description: Consulting

engineering services

Amount: \$1,384.70

Component Description: Consulting

engineering services through

July 2019

Amount: \$2,641.80

	Component Description: Amount:	Consulting engineering services through June 28, 2018 concerning potential change of antenna manufacturer from Jampro to Dielectric and notification to FCC \$5,768.20
	Component Description: Amount:	Consulting engineering services \$5,768.20
DTV Pros	Information not provided.	
Comark		
	Component Description:	System design
	Amount:	services/site survey \$12,300.00
RF Exposure Measurements	Amount: Information not provided.	•
		•
Measurements Comprehensive coverage verification via field study,	Information not provided.	•
Measurements Comprehensive coverage verification via field study, if needed FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if	Information not provided. Information not provided.	•

over 450 feet

NEPA Section 106 environmental review, 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), Construction Permit Application	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Consulting engineering services \$4,410.75
	Component Description: Amount:	Legal services \$4,068.55

Perform engineering study for new channel assignment and antenna development

Component Description: Consulting

Engineering

Services through

May 2019 concerning Preliminary Allocation study

Amount: \$6,594.40

Component Description: Consulting

engineering services through July 2018

concerning

potential change of

antenna

manufacturer from Jampro to Dielectric

Amount: \$1,725.00

Component Description: Consulting

engineering services

Amount: \$6,443.80

Component Description: Consulting

engineering services through July 2018

July 2018 concerning

potential change of

antenna

manufacturer from Jampro to Dielectric

Amount: \$1,725.00

Component Description: Consulting

engineering services, others

expenses

Amount: \$1,716.85

Prepare and or review reimbursement form

Component Description: Prepare and/or

Review

Reimbursement

Form

Amount: \$270.00

Component Description: Professional

services

Amount: \$495.00

Component Description: Professional

Services Rendered

Amount: \$495.00

Project management of the transition

Component Description: Project

Management

Amount: \$3,049.75

Component Description: Project

Management

Amount: \$1,714.85

Component Description: Project

Management

Amount: \$313.75

Component Description: Project

Management

Amount: \$677.50

Component Description: Cost Reconciliation

Amount: \$2,833.10

Component Description: Project

Management

Amount:

\$5,786.65

Component Description: Project

Management

Amount: \$3,912.30

Component Description: Project

Management

Amount: \$4,470.40

Component Description: Project

Management

Amount: \$3,043.80

Component Description: Professional

services

Amount: \$280.00

Component Description: Project

Management

Amount: \$2,820.50

Component Description: Project

Management

Amount: \$2,129.15

Professional **Component Description:**

services

\$600.00 Amount:

Component Description: Project

Management

Amount: \$2,708.25 **Component Description:** Project

Management

Amount:

\$3,168.20

Component Description: Project

Management

Amount: \$4,531.55

Component Description: Professional

services

Amount: \$200.00

Component Description: Professional

services

Amount: \$100.00

Component Description: Project

Management

Amount: \$378.75

Component Description: Project

Management

Amount: \$2,665.15

Component Description: Project

Management

Amount: \$1,602.90

Component Description: Project

Management

Amount: \$2,132.60

Component Description: Professional

services

Amount: \$725.00

Component Description: Project

Management

Amount: \$450.00

Component Description: Project

Management

Amount: \$4,024.85

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$62,617.50	\$62,022.50		\$6,262.50	
Comark Training	\$4,800.00	\$4,800.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Equipment Storage	\$1,200.00	\$1,200.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$2,500.00	\$2,500.00	N/A	N/A	N/A
Local Zoning	\$6,262.50	\$6,262.50	See Estimated Cost Justification WZVN-610- Local Zoning v0	\$6,262.50	N/A

Total for all systems	\$4,920,959.10	\$4,369,678.25	N/A	\$2,230,637.42	N/A
Sub-total	\$62,617.50	\$62,022.50	N/A	\$6,262.50	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A

Components

Actual Information Description	File Name	
Comark Training	Information not provided.	
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage	Component Description:	Deliver Empty Container to Location and Monthly Rental of
	Amount:	Container \$378.06
Equipment Delivery and Handling Charges	Information not provided.	

Disposal Costs (for equipment and other waste, net of any salvage	Information not provided.	
value) Local Zoning		
ū	Component Description:	ZONING - COMMERCIAI MISC
	Amount:	\$6,262.50
DTV Medical Facility Notification	Information not provided.	
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$4,920,959.10	\$4,369,678.25	\$2,230,637.42

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

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. Daniel
Eugene
Billings
Director of
Engineering

12/29/2019

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. Daniel
Eugene
Billings
Director of
Engineering

12/29/2019

Attachments