

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 73642 Service: DTV Call WCOV-TV Channel: 22 (UHF)

Sign:

File **0000026113**

Number:

ID:

FRN: **0031406812** Date **09/29**

Submitted: /2020

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WOODS COMMUNICATIONS CORPORATION Doing Business As: WCOV	Paul McTear PO Box 36111 Montgomery, AL 36111 United States	+1 (334) 288-7020	paul@wcov. com	Corporation

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Michael Carroll Chief Engineer Woods Communications	One WCOV Ave Montgomery, AL 36111 United States	+1 (334) 288- 7020	mikec@wcov. 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	Station will install interim antenna, line and transmitter at alternative site. Station will replace side mounted antenna and line. Station will replace main transmitter

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

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	Sigma
	Year	2001
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	40 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-50
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	31.7 kW
	Justification for New Transmitter	Existing transmitter can not be retuned

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	50.0 feet
	Other Electrical Service	Yes

	Description	Demo electrical panels, install new feeder to new transformer, other electrical required.
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	Yes
	Size	840.0 square feet
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
Internal Transmission Line	Internal Transmission Line Cost
Transmitter Installation	Transmitter Installation Costs

Interim Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	UAXTE-12
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	6.8 kW
	Justification for New Transmitter	Interim facility operating from alternative site Existing facility must be made ready for new equipment.

Interim Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A

	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	5 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
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	No

Interim Transmitter

Other Transmitter Cost Not Listed

Name	Description
Installation Costs	Transmitter Installation Costs

Antennas

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

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Slotted Coaxial
	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	N/A
	ERP: (Effective Radiated Power)	460.0 kW

Manufacturer	
Model	TFU- 25JSM-R S- 190
Year	2001

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?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	670.0 kW
	Manufacturer	

Model	TFU- 30DSC-R S- 190
Year	2018
Justification for New Antenna	Existing antenna can not be retuned

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	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?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Other Antenna Cost Not Listed

Information not provided.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	
	Polarization	Horizontal
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	29.4 kW
	Manufacturer	
	Model	TLP-12B
	Year	2018

Justification for New Antenna	Required
	as the main
	antenna
	and line are
	replaced

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an 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

Interim Antenna

Other Antenna Cost Not Listed

Information not provided.

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

Primary Transmission Line

Existing Transmission Line

n Line Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Туре	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1960 feet per run

Primary

New Transmission Line

Transmissio	n Line Section	Question	Response
New Tra	New Transmission Line Costs	Use	Primary (Main)
		Description of Use	N/A
		Change Type	Purchase New
		Is this a request for upgraded equipment?	No
		Туре	Rigid
		Diameter	6 1/8 inches
		Other Diameter	N/A
		Segment Length	20 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	1960 feet per run
		Justification for New Transmission Line	Existing line can not be retuned

Other Transmission Line Expenses Not Listed Primary
Transmission bination not provided.

Interim

New Transmission Line

Transmission	n Line Section	Question	Response
New Transmission Line Costs		Use	Interim
	Costs	Description of Use	N/A
		Change Type	Purchase New
		Туре	Flexible Air
		Diameter	3 inches
		Segment Length	N/A
		Other Segment Length	
		Number of parallel runs	1
		Length	830 feet per run
		Justification for New Transmission Line	used for alternate interim site

Other Transmission Line Expenses Not Listed

Transmission loine tion not provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	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	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	31° 58' 29.0" N-
	Longitude (NAD83)	086° 09' 44.0" W-
	Overall Structure Height	1935.02 feet
	Support Structure Height	1853.00 feet
	Ground Elevation Above Mean Sea Level (AMSL)	532.15 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	Gray Media Group, Inc.
Date Constructed	08/01/1977

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
13993	WSFA	DTV
8649	WZHT	FM

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for undocumented /poorly 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	Are helicopter services required?	No
Required		

Primary Tower

Other Tower Expenses Not Listed

Information not provided.

Interim Tower

Tower Construction Costs

Section	Question	Response
Construct New Tower	Use	Interim
	Description of Use	N/A
	Height	792.98 feet
	Justification for New Tower	Alternative site for interim broadcast, expense represents equipment installation not tower modification.

Interim Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	No

Interim Tower

Other Tower Expenses Not Listed

Name	Description
Compound Mapping	Compound Mapping
Tower Modifications	Modification of Failing Tower.
Tower Mod Design	Modification Design for failing Tower.
Structural Analysis	Structural Analysis of Tower
STA	STA Inspection Of Tower

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	595
	Explanation	reimbursement filing, expense tracking, vendor coordination, progress reporting, budget creation, budget review, budget tracking, daisychain monitoring and all other activities
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	Yes
	For Main Facility	Yes
	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 Services	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	No
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Professional

Other Professional Services Expenses Not Listed

Services Costs	Description	
Camillia Communication	Interim service to MVPD's during transition	

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	No
	FCC Special Temporary Authority Application	No
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	No
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses Not Listed

Expenses Information not provided.

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co
Interim Transmitter UAXTE-12	\$356,695.40	\$343,495.40		\$310,770.63	
Installation Costs	\$2,629.18	\$2,629.18	Please see WCOV-TV Interim Transmitter - Installation Revision Justification Cover Letter	\$2,614.27	N/A
5 Ton system	\$20,250.00	\$8,300.00	Please see Team Services, LLC Estimate dated 6.19.19	\$8,300.00	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	\$4,755.00	N/A
UHF - Air Cooled Solid State Transmitter 6.8 kW	\$308,266.22	\$308,266.22	see Estimated Cost Justification WCOV-TV-180- Interim Transmitter - UHF Air-Cooled Solid State, 6.8 kW v1	\$295,101.36	N/A
Primary Transmitter ULXTE-50	\$1,591,258.81	\$1,173,468.84		\$992,883.27	
Other Building Addition Size: 840.0	\$3,236.86	\$3,236.86	Please see Georgia Floors Direct order acknowledgment dated 6-2-20	\$0.00	N/A

Other Electrical Service: Demo electrical panels, install new feeder to new transformer, other electrical required.	\$66,881.00	\$66,881.00	per Frazier & Gardner Electrical Co., Inc Revised Proposal 12.10.2019	\$66,881.00	N/A
Transmitter Installation	\$19,105.76	\$19,105.76	see Estimated Cost Justification WCOV-TV-110- 1st Primary Transmitter - Transmitter Installation v0	\$19,083.90	N/A
Internal Transmission Line	\$3,553.41	\$3,553.41	Please see quote JEHQ1658A, plus actual shipping costs on invoice 357	\$3,553.41	N/A
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	\$513,381.78	\$513,381.78	see Estimated Cost Justification WCOV-TV-110- UHF - Liquid Cooled Solid State Transmitter 31.7 kW v0	\$337,304.93	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$1,300.00	\$1,250.00	N/A	\$0.00	N/A

Transformer \$36,800.00 \$11,057.19 see Estimated Cost Justification WCOV-TV-110- 1st Primary Transmitter - 3 Phase_480 Volt_300 KVA Transformer v0 UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW Sub-total \$1,947,954.21 \$1,516,964.24 N/A \$1,303,653.90 N/A Total for all systems						
Cooled Solid State	3 phase /480v - 300	\$36,800.00	\$11,057.19	Cost Justification WCOV-TV-110- 1st Primary Transmitter - 3 Phase_480 Volt_300 KVA	\$11,057.19	N/A
Total for all \$3,950,222.83 \$3,510,267.08 N/A \$2,627,800.37 N/A	Cooled Solid State Transmitter	\$947,000.00	\$555,002.84	Notice: Estimate adjusted and locked because line has been superseded. ***Transmitter Model changed From ULXTE-40	\$555,002.84	N/A
	Sub-total	\$1,947,954.21	\$1,516,964.24	N/A	\$1,303,653.90	N/A
		\$3,950,222.83	\$3,510,267.08	N/A	\$2,627,800.37	N/A

Components

Actual Information Description	File Name	
Installation Costs		
	Component Description:	Installation
	Amount:	\$2,614.27
5 Ton system		
	Component Description:	5 Ton A/C Unit
	Amount:	\$8,300.00
Transformer 3 phase/480v -		
150 KVA	Component Description:	WCOV-AUX Work
		as Quoted
	Amount:	\$4,755.00

UHF - Air Cooled Solid State Transmitter 6.8 kW

Component Description: A. Transmitter

Amount: \$23,954.83

Component Description: WCOV-TV-180-

Interim Transmitter
- UHF Air Cooled
Solid State, 6.8 kW

Amount: \$1,604.17

Component Description: #6 THHN Copper

Wire

Amount: \$404.42

Component Description: UAXTE-12

Transmitter per
Quote Q-77314

Amount: \$96,998.70

Component Description: 1/3 Down Payment.

Amount: \$86,069.62

Component Description: Invoice moved to

correct budget category per NMI

message

Amount: N/A

Component Description: 1/3 Payment Prior

to shipment

Amount: \$86,069.62

Component Description: 1/3 down payment

due with order.

Amount: \$86,069.63

Other -- Building Addition

Size: 840.0

Information not provided.

Other Electrical Service: Demo electrical panels,	Component Description:	For the new
nstall new feeder to new		installation of the
ransformer, other electrical		lighting and power
required.		for the new
		equipment
	Amount:	\$31,643.50
	Component Description:	Mobilization and
		demolition of
		existing electrical
		equipment
	Amount:	\$35,237.50
Transmitter Installation		
	Component Description:	Services
	Amount:	\$12,250.00
	Commonant Description	MCOV TV 440.4-4
	Component Description:	WCOV-TV-110-1st
		Primary Transmitter -
		Transmitter -
		Installation
	Amount:	
	Amount.	\$6,833.90
Internal Transmission Line		
	Component Description:	R0006330501 3-
		50 TO 1-50
		SINGLE
		CHANNEL
		REDUCER (CH 14-
		69 UHF)
	Amount:	\$3,553.41

State Transmitter 31.7 kW	Component Description: Amount:	A. Transmitter \$40,951.22
	Component Description: Amount:	Invoice moved to Eng. Study budget category N/A
	Component Description: Amount:	Transmitter \$296,353.71
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Transformer 3 phase/480v - 300 KVA	Component Description: Amount:	Transformer \$1,833.21
	Component Description:	WCOV-TV-110-1st Primary Transmitter - 3 Phase/480 Volt /300 KVA Transformer
	Amount:	\$7,390.77
	Component Description: Amount:	Transformer \$1,833.21

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW

Component Description: 1/3 Down Payment.

Amount: \$277,501.42

Component Description: 1/3 Payment Prior

to shipment

Amount: \$277,501.42

Component Description: Invoice moved to

the new

component.

Amount: N/A

Component Description: 1/3 Down Payment

Amount: \$279,334.64

Cost Information

Antennas

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

	Predetermined	Estimated	Estimated Cost		Actual Cos
Description	Cost Estimate	Cost	Justification	Actual Cost	Justification
Interim Antenna TLP-12B	\$36,270.98	\$35,940.98		\$33,060.98	
UHF - High Power, Side Mount, basic slot antenna, 29 kW input, directional,, horizontally polarized	\$29,540.98	\$29,540.98	see Estimated Cost Justification WCOV-TV- 280-Interim Antenna - UHF High Power Side Mount, Directional, H-POL v0	\$29,540.98	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Please see WCOV DTVPros quote JEHQ1283	\$3,520.00	N/A
Primary Antenna TFU-30DSC- R S-190	\$281,290.57	\$277,572.33		\$252,792.33	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$13,625.34	Please see Estimated Cost Justification WCOV-TV- 210- Primary Antenna - Elbow Complex V0	\$13,625.34	N/A

Side mount brackets for high power antenna base cost)						
Power	brackets for high power antennas (if not included in antenna	\$23,150.00	\$18,696.42	Estimated Cost Justification WCOV-TV- 210- Primary Antenna - Side Mount Brackets	\$18,696.42	N/A
scatter analysis for side mount high/med power antennas (if not included in antenna base cost) Sweep test of existing antenna Sub-total \$317,561.55 \$313,513.31 N/A \$285,853.31 N/A Total for all	Power, Side Mount, basic slot antenna, 670 kW input, directional,, elliptically or circularly	\$233,850.57	\$233,850.57	Cost Justification WCOV-TV- 210- Primary Antenna - UHF High Power Side Mount, Directional,	\$214,070.57	N/A
of existing antenna Sub-total \$317,561.55 \$313,513.31 N/A \$285,853.31 N/A Total for \$3,950,222.83 \$3,510,267.08 N/A \$2,627,800.37 N/A all	scatter analysis for side mount high/med power antennas (if not included in antenna	\$5,260.00	\$5,000.00	N/A	\$0.00	N/A
Total for \$3,950,222.83 \$3,510,267.08 N/A \$2,627,800.37 N/A all	of existing	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
all	Sub-total	\$317,561.55	\$313,513.31	N/A	\$285,853.31	N/A
	all	\$3,950,222.83	\$3,510,267.08	N/A	\$2,627,800.37	N/A

Actual Information Description	File Name	
UHF - High Power, Side Mount, basic slot antenna, 29 kW input, directional,, horizontally polarized	Component Description: Amount:	TV ANT TLP12B \$7,208.84
	Component Description:	UHF - LOW POWER SIDE MOUNT
	Amount:	\$11,166.07
	Component Description:	UHF - LOW POWER SIDE MOUNT
	Amount:	\$11,166.07
Sweep test of existing antenna	Component Description:	WCOV-TV-280- Interim Antenna -
	Amount:	Sweep Test \$640.00
	Component Description:	WCOV-TV-280- Interim Antenna -
	Amount:	Sweep Test \$2,880.00

Elbow complex, single channel, at antenna input, Elbow Complex **Component Description:** per 6 1/8. feedline (if needed) \$5,745.60 Amount: **Component Description:** WCOV-TV-210-Primary Antenna - Elbow Complex Amount: \$2,134.14 **Component Description:** WCOV-TV-210-Primary Antenna - Elbow Complex Amount: \$5,745.60 Side mount brackets for high power antennas (if not **Component Description:** Side Mount included in antenna base **Brackets** cost) Amount: \$7,884.00 **Component Description:** WCOV-TV-210-Primary Antenna - Side Mount **Brackets** Amount: \$2,928.42 **Component Description:** WCOV-TV-210-Primary Antenna - Side Mount **Brackets** \$7,884.00 Amount:

UHF - High Power, Side Mount, basic slot antenna, **Component Description:** Antenna 670 kW input, directional,, Amount: \$84,987.00 elliptically or circularly polarized **Component Description:** UHF - HIGH **POWER SIDE MOUNT** Amount: \$44,096.57 **Component Description:** UHF - High Power Side Mount Amount: \$84,987.00 Pattern scatter analysis for Information not provided. side mount high/med power antennas (if not included in antenna base cost) Sweep test of existing antenna **Component Description:** Sweep Test Amount: \$2,880.00 **Component Description:** WCOV-TV-210-Primary Antenna - Sweep Test Amount: \$2,880.00 **Component Description:** WCOV-TV-210-Primary Antenna - Sweep Test Amount: \$640.00

Cost Information

Transmission Line

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

	Predetermined	Estimated	Estimated Cost		Actual Cost
Description	Cost Estimate	Cost	Justification	Actual Cost	Justification
Interim Transmission Line	\$48,970.00	\$43,571.00		\$41,136.00	
Flexible Air Transmission Line - dielectric, 3"	\$48,970.00	\$43,571.00	Quote attached (included in antenna quote) Estimated tax and shipping included in cost	\$41,136.00	N/A
Primary Transmission Line	\$395,920.00	\$331,439.67		\$315,569.14	
Rigid Transmission Line - copper, 6 1/8"	\$395,920.00	\$331,439.67	see Estimated Cost Justification WCOV-TV- 310-Primary Transmission Line - Rigid Transmission LIne, Copper, 6 1_8 v1	\$315,569.14	N/A
Sub-total	\$444,890.00	\$375,010.67	N/A	\$356,705.14	N/A
Total for all systems	\$3,950,222.83	\$3,510,267.08	N/A	\$2,627,800.37	N/A

Actual Information	
Description	File Name

Flexible Air Transmission Line - dielectric, 3"

Component Description: FLEXIBLE

TRANSMISSION

LINE

Amount: \$4,527.64

Component Description: FLEXIBLE

TRANSMISSION

LINE

Amount: \$4,475.28

Component Description: Deposit for RF line

and accessories

Amount: \$17,506.55

Component Description: FLEXIBLE

TRANSMISSION

LINE

Amount: \$14,626.53

Rigid Transmission Line copper, 6 1/8"

Component Description: RIGID

> **TRANSMISSION** LINE - COPPER

\$72,505.46 Amount:

Component Description:

Transmission Line Amount:

\$107,578.66

Component Description: Rigid Transmission

Line - Copper

Amount: \$107,578.66

Component Description: RIGID

TRANSMISSION

LINE - COPPER

Amount: \$26,128.32

Component Description: XFMR 6-50 / 6-75

UHF 3 ST 123019

682009

Amount: \$1,778.04

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
Interim Tower	\$550,619.00	\$490,464.00		\$185,245.00	
Tower Modifications	\$302,769.00	\$302,769.00	Per Estimated Cost Justification WCOV-TV- 490-Interim Tower - Tower Modifications V0	\$0.00	N/A
STA	\$3,550.00	\$3,550.00	N/A	\$3,550.00	N/A
Structural Analysis	\$14,500.00	\$14,500.00	see Estimated Cost Justification WCOV-TV- 490-Interim Tower - Structural Analysis v1	\$14,500.00	N/A
Compound Mapping	\$7,000.00	\$7,000.00	Tower Compound Mapping	\$4,550.00	N/A
New tower	\$0.00	\$0.00	N/A	\$0.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$150,345.00	see Estimated Cost Justification WCOV-TV- 490-Interim Tower - Tower Rigging, Tall Tower v0	\$150,345.00	N/A

Tower Mod Design	\$12,300.00	\$12,300.00	N/A	\$12,300.00	N/A
Primary Tower GTOWER	\$394,800.00	\$519,624.39		\$352,524.30	
Tall Tower (greater than 500')	\$210,500.00	\$344,024.39	see Estimated Cost Justification WCOV-TV- 410-Existing Primary Tower - Tower Rigging, Tall Tower v1	\$344,024.30	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	\$8,500.00	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$25,600.00	Not Required	\$0.00	N/A
Sub-total	\$945,419.00	\$1,010,088.39	N/A	\$537,769.30	N/A
Total for all systems	\$3,950,222.83	\$3,510,267.08	N/A	\$2,627,800.37	N/A

Actual Information	
Description	File Name

	Component Description:	50% Down for Moblization and Materials
	Amount:	\$1,792,866.90
STA		
	Component Description:	Tower STA
		Analysis
	Amount:	\$3,550.00
Structural Analysis		
	Component Description:	Structural Analysis
	Amount:	\$7,500.00
	Component Description:	Tower Structural
		Analysis
	Amount:	\$2,000.00
	Component Description:	Analysis of Guyed
		Tower
	Amount:	\$5,000.00
Compound Mapping		
	Component Description:	Compound
		Mapping
	Amount:	\$4,550.00
New tower	Information not provided.	
Tall Tower (greater than 500')		
,	Component Description:	Install
	Amount:	\$150,345.00
Fower Mod Design		
	Component Description:	Modification
		Design
	Amount:	\$12,300.00

Tall Tower (greater than 500')		
,	Component Description:	Construction
	Amount:	\$83,202.51
	Component Description:	Construction
	Amount:	\$23,660.39
	Component Description:	Construction
	Amount:	\$237,161.40
Minor tower reinforcement modifications	Component Description:	Contract Drawings
		for Modifications per recent Analysis
	Amount:	\$8,500.00
	Component Description:	This invoice has
		been moved to the Tall Tower
	Amount:	category N/A
Tower mapping for an	Information not provided.	
undocumented/poorly documented tower and		
oreparation of documentation necessary for tower load study		

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	\$239,185.00	\$248,077.40		\$114,842.39	
Camillia Communication	\$25,000.00	\$25,000.00	MVPD continuity during interim broadcast.	\$0.00	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	\$0.00	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	\$0.00	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	\$0.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$0.00	N/A

Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$2,105.00	\$2,000.00	N/A	\$0.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$0.00	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$0.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$2,000.00	N/A	\$250.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$375.00	N/A

management of cost has been submitte						
review reimbursement form Project \$94,010.00 \$100,879.27 The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time. Prepare \$2,050.00 \$1,500.00 N/A \$1,045.83 N/A request for Special Temporary Authorization Sub-total \$239,185.00 \$248,077.40 N/A \$114,842.39 N/A Total for all \$3,950,222.83 \$3,510,267.08 N/A \$2,627,800.37 N/A	engineering study for new channel assignment and antenna	\$7,360.00	\$14,888.13	Estimated Cost Justification WCOV-TV- 530-RF Eng - Engineering Study for New Channel	\$12,292.29	N/A
management of the transition cost has been adjusted to invoice include all invoices submitted for reimbursement at this time. Prepare \$2,050.00 \$1,500.00 N/A \$1,045.83 N/A request for Special Temporary Authorization Sub-total \$239,185.00 \$248,077.40 N/A \$114,842.39 N/A Total for all \$3,950,222.83 \$3,510,267.08 N/A \$2,627,800.37 N/A	review reimbursement	\$2,630.00	\$2,560.00	N/A	\$0.00	N/A
request for Special Temporary Authorization \$239,185.00 \$248,077.40 N/A \$114,842.39 N/A Total for all \$3,950,222.83 \$3,510,267.08 N/A \$2,627,800.37 N/A	management of	\$94,010.00	\$100,879.27	cost has been adjusted to include all invoices submitted for reimbursement	\$100,879.27	Please s submitte invoice
Total for all \$3,950,222.83 \$3,510,267.08 N/A \$2,627,800.37 N/A	request for Special Temporary	\$2,050.00	\$1,500.00	N/A	\$1,045.83	N/A
	Sub-total	\$239,185.00	\$248,077.40	N/A	\$114,842.39	N/A
		\$3,950,222.83	\$3,510,267.08	N/A	\$2,627,800.37	N/A

Actual Information Description	File Name
Camillia Communication	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 - Negotiation of lease and other matters for shared locations	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	Regarding repack Ch-22 facility, develop final operating constants \$250.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	WCOV-TV-530- RF Eng - Construction Permit Application (Main) \$375.00
Perform engineering study for new channel assignment and antenna development	Amount.	φ3 <i>1</i> 3.00

Component Description: WCOV-TV-530-

RF Eng -

Engineering Study for New Channel Assignment

Amount: \$2,537.50

Component Description: Consulting

Engineer

Amount: \$400.00

Component Description: Repack

Engineering

Amount: \$499.99

Component Description: WCOV-TV-530-

RF Eng -

Engineering Study for New Channel Assignment

Amount: \$620.83

Component Description: Repack

Engineering

Amount: \$649.99

Component Description: THTV

Amount: \$6,263.15

Component Description: Develop final

configuration for

main antenna

Amount: \$375.00

Component Description: System summary

and equipment specification -Robert E Thurber, 3 hrs 47 mins @ \$250.00/hr

Amount: \$945.83

Prepare and or review reimbursement form

Information not provided.

Amount:

Project management of the transition

Component Description: Project

Amount: Management \$10,258.75

Component Description: Project

Management \$4,984.80

Component Description: WCOV-TV-510-

Project

Management

Amount: \$15.40

Component Description: Project

Management

Amount: \$7,250.85

Component Description: Project

Management

Amount: \$3,842.80

Component Description: WCOV-TV-510-

Project

Management

Amount: \$179.66

Component Description:

Amount:

Project

Management \$10,546.30

Component Description:

Project

Amount:

Management \$4,133.75

Component Description:

Project

Amount:

Management \$10,037.85

Component Description:

Project

Amount:

Management \$6,729.55

Component Description:

Project

Amount:

Management \$258.75

Component Description:

Project

Amount:

Management \$6,403.60

Component Description:

Project

Amount:

Amount:

Management \$8,018.05

Component Description: WCOV-TV-510-

Project

Management

Amount: \$71.86

Component Description:

Project

Management

\$4,007.95

Component Description:

Project

Amount:

Management \$12,581.90

Component Description:

Project

Amount:

Management \$2,488.15

Component Description:

Project

Amount:

Management \$2,753.15

Component Description:

Project

Amount:

Amount:

Management

\$6,403.60

Component Description:

Project

Management

\$6,316.15

Prepare request for Special **Temporary Authorization**

Component Description:

Repack

Engineering

Amount:

\$445.83

Component Description:

Develop technical

parameters for interim antenna

\$600.00 Amount:

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 Justific
Other Expenses	\$55,213.07	\$46,613.07		\$28,976.33	
Equipment Storage	\$15,000.00	\$15,000.00	estimated Dielectric storage	\$2,375.00	N/
MVPD Notification of Channel Change	\$0.00	\$0.00	N/A	\$0.00	N/
Develop and air announcement of upcoming channel change	\$1,200.00	\$1,200.00	N/A	\$0.00	N/
DTV Medical Facility Notification	\$11,550.00	\$2,950.00	Quote attached	\$2,950.00	N/
Equipment Delivery and Handling Charges	\$27,463.07	\$27,463.07	see Estimated Cost JustificationWCOV- TV-610- Equipment Delivery and Handling V2	\$23,651.33	N/
Sub-total	\$55,213.07	\$46,613.07	N/A	\$28,976.33	N/
Total for all systems	\$3,950,222.83	\$3,510,267.08	N/A	\$2,627,800.37	N/

Actual Information		
Description	File Name	

Equipment Storage		
	Component Description:	WCOV-TV-610
		Equipment
		Storage
	Amount:	\$1,595.00
	Component Description:	WCOV-TV-610
		Equipment
		Storage
	Amount:	\$780.00
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	
DTV Medical Facility		
Notification	Component Description:	Medical
		Notification
	Amount:	\$2,950.00

Equipment Delivery and Handling Charges

Component Description: Repack

Engineering

Amount: \$864.08

Component Description: Shooting Boom

Forklift

Amount: \$2,636.52

Component Description: Shooting Boom

Forklift

Amount: \$4,120.02

Component Description: Shooting Boom

Forklift

Amount: \$3,988.04

Component Description: Shooting Boom

Forklift

Amount: \$4,128.50

Component Description: Shooting Boom

Forklift

Amount: \$3,988.04

Component Description: Shooting Boom

Forklift

Amount: \$3,926.13

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,950,222.83	\$3,510,267.08	\$2,627,800.37

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. David Woods President

09/29/2020

Section Question Response

Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).

- 1. The Authorized
 Person signing
 below certifies and
 represents that he
 /she is authorized to
 submit this TV
 Broadcaster
 Relocation Fund
 Reimbursement
 Form on behalf of
 the above-named
 entity.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.

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

- 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. David Woods

President

09/29/2020

Attachments