

Information

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID:	73642	Service: DTV	Call Sign:	WCOV-TV	Channel: 22 (UHF)
File Number:	00000	26113			
FRN: 00	31406812	Date Submitted:	10/16 /2020		

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 Preparer Contact Name and Information

Contact Information	Applicant	Address	Phone	Email
	Michael Carroll	One WCOV Ave	+1 (334) 288-	mikec@wcov.
	Chief Engineer	Montgomery, AL	7020	com
	Woods	36111		
	Communications	United States		

Broadcaster Question Information and Transition Plan 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	Existing Transmitter Information				
Transmitter	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	Sigma		
		Year	2001		
		Туре	Inductive Output Tube		
		IOT Power Type	Тwo		
		Power Capacity	40 kW		

Existing Transmitter Information

Primary	New Transmitter Costs				
Transmitter	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 Other Transmitter Costs

Transmitter	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

Other Transmitter Cost Not Listed

Primary Transmitter	Other Transmitter Cost Not Listed			
	Name	Description		
	Internal Transmission Line	Internal Transmission Line Cost		
	Transmitter Installation	Transmitter Installation Costs		

Interim	New Transmitter Costs				
Transmitter	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 Other Transmitter Costs

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

Other Transmitter Cost Not Listed

Interim Transmitter Name Description Installation Costs Transmitter Installation Costs

Antennas Section		Question	Response
Antenna Rela	ated 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?	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

Primary	New Antenna Costs			
Antenna	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		
			1	

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

Primary Antenna	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 Costs

PrimaryOther Antenna Cost Not ListedAntennaInformation 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 Manufacturer and Type	Class	Full Power	
		Mounting	Side Mount	
		Antenna position in stack	Not 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	

Other Antenna Costs

Interim Antenna

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 Other Antenna Cost Not Listed

Antenna Information not provided.

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary	Existing Transmission Line			
Transmissic	n Line Section	Question	Response	
	Existing Transmission Line Description	Type of change	Purchase New	
		Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
		Is the existing transmission line shared with another station or stations?	No	
		Is Transmission Line in operating condition?	Yes	
	Existing Transmission	Manufacturer		
	Line Manufacturer and Type	Туре	Rigid	
		Diameter	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 Transmissio	New Transmission Line			
	n Section	Question	Response	
	New Transmission Line Costs	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	No	
		Туре	Rigid	
		Diameter	6 1/8 inches	
		Other Diameter	N/A	
		Segment Length	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	

Primary Other Transmission Line Expenses Not Listed Transmission

Interim	New Transmission Line		
Transmissio	n Line Section	Question	Response
	New Transmission Line	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

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

Existing Tower

Primary	Existing Tower			
Tower	Section	Question	Response	
	Existing Tower	Type of change	Modify Existing	
	Description	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	Do you have a tower registration number?	No	
	Structure Registration	ASR Number		
	Coordinates (NAD83 (North American Datum	Latitude (NAD83)	31° 58' 29.0" N-	
	of 1983))	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
8649	WZHT	FM
13993	WSFA	DTV

Primary Tower Modification Costs

Tower

Tower

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 Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A

Helicopter Services	Are helicopter services required?	No
Required		

Primary	Other Tower Expenses Not Listed		
Tower	Name	Description	
	Drawings for Tower Modifications	Drawings for Tower Modifications	

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 Rigging Costs

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

Interim Other Tower Expenses Not Listed

Tower

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

Outside	Section	Question	Response
Professional	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, daisy- chain 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
	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

Other Professional Services Expenses Not Listed Professional Services Costs

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

Other	Section	Question	Response
Expenses	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.

Transmitters

Cost Information

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 Interim Transmitter UAXTE-12	Cost Estimate \$356,695.40	Cost \$343,495.40	Justification	Actual Cost \$310,770.63	Justification
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	\$1,597,061.06	\$1,179,271.09		\$996,120.13	

Transmitter Installation	\$24,698.01	\$24,698.01	see Estimated Cost Justification WCOV-TV- 110-1st Primary Transmitter - Transmitter Installation v1	\$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
Other Building Addition Size: 840.0	\$3,446.86	\$3,446.86	Please see Estimated Cost Justification WCOV-TV- 110-1st Primary Transmitter - Building Addition V0	\$3,236.86	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
2" Rigid Conduit and Wiring (Cost per foot)	\$1,300.00	\$1,250.00	N/A	\$0.00	N/A

Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$11,057.19	see Estimated Cost Justification WCOV-TV- 110-1st Primary Transmitter - 3 Phase_480 Volt_300 KVA Transformer v0	\$11,057.19	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
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$555,002.84	***System Notice: Estimate adjusted and locked because line has been superseded. ***Transmitter Model changed From ULXTE- 40 to ULXTE- 50.	\$555,002.84	N/A
Sub-total	\$1,953,756.46	\$1,522,766.49	N/A	\$1,306,890.76	N/A
Total for all systems	\$3,964,525.08	\$3,593,319.33	N/A	\$2,719,318.23	N/A

Components

Actual Information
Description
File Name

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

UHF - Air Cooled Solid State Transmitter 6.8 kW	Component Description: Amount:	A. Transmitter \$23,954.83
	Component Description:	WCOV-TV-180- Interim Transmitter
	Amount:	- UHF Air Cooled Solid State, 6.8 kW \$1,604.17
	Component Description:	#6 THHN Copper Wire
	Amount: Component Description:	\$404.42 UAXTE-12
	Amount:	Transmitter per Quote Q-77314 \$96,998.70
	Component Description:	1/3 down payment
	Amount:	due with order. \$86,069.63
	Component Description:	1/3 Payment Prior to shipment \$86,069.62
	Component Description:	Invoice moved to
	Amount:	correct budget category per NMI message N/A
	Component Description:	1/3 Down Payment.
	Amount:	\$86,069.62

Transmitter Installation		
	Component Description: Amount:	Services \$12,250.00
	Component Description:	WCOV-TV-110-1st Primary Transmitter - Transmitter Installation
	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
Other Building Addition Size: 840.0	Component Description:	LABOR - TRIP CHARGE \$3,236.86
	Amount.	<i>\$</i> 3,230.00
Other Electrical Service: Demo electrical panels, install new feeder to new transformer, other electrical required.	Component Description:	For the new installation of the lighting and power for the new
	Amount:	equipment \$31,643.50
	Component Description:	Mobilization and demolition of existing electrical
	Amount:	equipment \$35,237.50
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	

Transformer 3 phase/480v - 300 KVA		
300 KVA	Component Description:	Transformer
	Amount:	\$1,833.21
	Component Description:	WCOV-TV-110-1st Primary
		Transmitter - 3
		Phase/480 Volt
		/300 KVA
		Transformer
	Amount:	\$7,390.77
	Component Description:	Transformer
	Amount:	\$1,833.21
UHF - Liquid Cooled Solid		
State Transmitter 31.7 kW	Component Description:	Invoice moved to
		Eng. Study budget
	Amount:	category N/A
	Component Description:	Transmitter
	Amount:	\$296,353.71
	Component Description:	A. Transmitter

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	Component Description: Amount:	1/3 Payment Prior to shipment \$277,501.42
	Component Description: Amount:	1/3 Down Payment. \$277,501.42
	Component Description:	Invoice moved to the new
	Amount:	component. N/A
	Component Description:	1/3 Down Payment
	Amount:	\$279,334.64

Antennas

Cost Information

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 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	\$286,222.33		\$252,792.33	
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	\$0.00	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$18,696.42	Please see Estimated Cost Justification WCOV-TV- 210- Primary Antenna - Side Mount Brackets V0	\$18,696.42	N/A
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
Sweep test of existing antenna	\$6,730.00	\$15,050.00	see Estimated Cost Justification WCOV-TV- 210- Primary Antenna - Sweep Test v0	\$6,400.00	N/A
UHF - High Power, Side Mount, basic slot antenna, 670 kW input, directional,, elliptically or circularly polarized	\$233,850.57	\$233,850.57	Estimated Cost Justification WCOV-TV- 210- Primary Antenna - UHF High Power Side Mount, Directional, E-POL v0	\$214,070.57	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 - Sweep Test
	Amount:	\$2,880.00
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)	Component Description: Amount:	Side Mount Brackets \$7,884.00
	Component Description:	WCOV-TV-210- Primary Antenna - Side Mount Brackets
	Amount:	\$7,884.00
	Component Description:	WCOV-TV-210- Primary Antenna - Side Mount Brackets
	Amount:	\$2,928.42
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description: Amount:	Elbow Complex \$5,745.60
	Component Description:	WCOV-TV-210- Primary Antenna
	Amount:	- Elbow Complex \$5,745.60
	Component Description:	WCOV-TV-210- Primary Antenna - Elbow Complex
	Amount:	\$2,134.14

Sweep test of existing antenna	Component Description: Amount:	Sweep Test \$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
UHF - High Power, Side Mount, basic slot antenna, 670 kW input, directional,, elliptically or circularly polarized	Component Description: Amount:	Antenna \$84,987.00
	Component Description:	UHF - High Power Side Mount
	Amount:	\$84,987.00
	Component Description:	UHF - HIGH POWER SIDE MOUNT
	Amount:	\$44,096.57

Transmission Line

Cost Information

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	\$3,964,525.08	\$3,593,319.33	N/A	\$2,719,318.23	N/A

Actual Information	
Description	File Name

Flexible Air Transmission Line - dielectric, 3"	Component Description: Amount:	FLEXIBLE TRANSMISSION LINE \$4,475.28
	Component Description:	FLEXIBLE TRANSMISSION LINE
	Amount:	\$4,527.64
	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
	Amount:	\$72,505.46
	Component Description: Amount:	Transmission Line \$107,578.66
	Component Description: Amount:	Rigid Transmission Line - Copper \$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

Tower Equipment and Rigging Costs

Cost Information

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 Tower	\$550,619.00	\$550,564.00		\$273,526.00	
Tower Modifications	\$302,769.00	\$302,769.00	Per Estimated Cost Justification WCOV-TV- 490-Interim Tower - Tower Modifications V0	\$70,250.94	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	\$210,445.00	see Estimated Cost Justification WCOV-TV- 490-Interim Tower - Tower Rigging, Tall Tower v1	\$168,375.06	N/A

Tower Mod Design	\$12,300.00	\$12,300.00	N/A	\$12,300.00	N/A
Primary Tower GTOWER	\$403,300.00	\$528,124.39		\$352,524.30	
Drawings for Tower Modifications	\$8,500.00	\$8,500.00	Please see Elevated Structural Consultants invoice 348	N/A	N/A
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	\$953,919.00	\$1,078,688.39	N/A	\$626,050.30	N/A
Total for all systems	\$3,964,525.08	\$3,593,319.33	N/A	\$2,719,318.23	N/A

Actual Information		
Description	File Name	

Tower Modifications		
	Component Description:	Customer Deposit for the WCOV TV Repack Studio
	A	Tower Modification
	Amount:	\$70,250.94
	Component Description:	50% Down for
		Moblization and
	Amount:	Materials \$1,792,866.90
STA		
	Component Description:	Tower STA
	Amount:	Analysis \$3,550.00
		. ,
Structural Analysis		
	Component Description: Amount:	Structural Analysis \$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: Amount:	Install \$150,345.00
	Component Description:	WCOV-TV-490- Interim Tower - Tower Rigging,
	Amount:	Tall Tower \$18,030.06
Tower Mod Design		
	Component Description: Amount:	Modification Design \$12,300.00
Drawings for Tower Modifications	Information not provided.	
Tall Tower (greater than 500')		
,	Component Description: Amount:	Construction \$23,660.39
	Component Description: Amount:	Construction \$83,202.51
	Component Description:	Construction
	Amount:	\$237,161.40
Minor tower reinforcement /modifications	Component Description:	Contract Drawings for Modifications
	Amount:	per recent Analysis \$8,500.00
	Component Description:	This invoice has
		been moved to the Tall Tower category
	Amount:	N/A

Information not provided

Tower mapping for an	Information not provided.
undocumented/poorly	
documented tower and	
preparation of	
documentation necessary	
for tower load study	

Outside Professional Services

Cost Information

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

	Predetermined	Estimated	Estimated Cost		Actual Cc
Description	Cost Estimate	Cost	Justification	Actual Cost	Justificat
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 - 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
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	\$1,045.83	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

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$14,888.13	Please see Estimated Cost Justification WCOV-TV- 530-RF Eng - Engineering Study for New Channel Assignment v3	\$12,292.29	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,560.00	N/A	\$0.00	N/A
Project management of the transition	\$94,010.00	\$100,879.27	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$100,879.27	Please se submitte invoices
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	\$0.00	N/A
Sub-total	\$239,185.00	\$248,077.40	N/A	\$114,842.39	N/A
Total for all systems	\$3,964,525.08	\$3,593,319.33	N/A	\$2,719,318.23	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 - 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.	
Prepare request for Special Temporary Authorization	Component Description: Amount:	Repack Engineering \$445.83
	Component Description: Amount:	Develop technical parameters for interim antenna \$600.00
		<i>Q</i> QQQQQ
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.	
Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License	Information not provided.	Regarding repack Ch-22 facility, develop final operating constants

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	WCOV-TV-530- RF Eng - Construction Permit Applicatic (Main)
	Amount:	\$375.00
Perform engineering study for new channel assignment and antenna development	Component Description:	WCOV-TV-530- RF Eng - Engineering Stud for New Channel
	Amount:	Assignment \$2,537.50
	Component Description:	Consulting Engineer
	Amount:	\$400.00
	Component Description:	Repack Engineering
	Amount:	\$499.99
	Component Description:	Develop final configuration for main antenna
	Amount:	\$375.00
	Component Description:	WCOV-TV-530- RF Eng - Engineering Stuc for New Channel
	Amount:	Assignment \$620.83
	Component Description:	Repack Engineering

	Component Description: Amount:	THTV \$6,263.15
	Component Description:	System summary and equipment specification - Robert E Thurbe 3 hrs 47 mins @ \$250.00/hr
	Amount:	\$945.83
Prepare and or review reimbursement form	Information not provided.	
Project management of the transition	Component Description:	Project
	Amount:	Management \$7,250.85
	Component Description:	Project Management
	Amount:	\$10,258.75
	Component Description:	Project Management
	Amount:	\$4,984.80
	Component Description:	WCOV-TV-510- Project
	Amount:	Management \$15.40
	Component Description:	Project Management
	Amount:	\$3,842.80

Component Description: Amount:	WCOV-TV-510- Project Management \$179.66
Component Description: Amount:	Project Management \$10,546.30
Component Description: Amount:	Project Management \$10,037.85
Component Description: Amount:	Project Management \$6,729.55
Component Description: Amount:	Project Management \$258.75
Component Description: Amount:	Project Management \$6,316.15
Component Description: Amount:	Project Management \$8,018.05
Component Description: Amount:	Project Management \$6,403.60
Component Description: Amount:	Project Management \$4,133.75

	Component Description: Amount:	WCOV-TV-510- Project Management \$71.86
	Component Description: Amount:	Project Management \$4,007.95
	Component Description: Amount:	Project Management \$2,488.15
	Component Description: Amount:	Project Management \$2,753.15
	Component Description: Amount:	Project Management \$6,403.60
	Component Description: Amount:	Project Management \$12,581.90
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	

Other Expenses

Cost Information

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	
Develop and air announcement of upcoming channel change	\$1,200.00	\$1,200.00	N/A	\$0.00	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/
DTV Medical Facility Notification	\$11,550.00	\$2,950.00	Quote attached	\$2,950.00	N/
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/
Sub-total	\$55,213.07	\$46,613.07	N/A	\$28,976.33	N/
Total for all systems	\$3,964,525.08	\$3,593,319.33	N/A	\$2,719,318.23	N/

Actual Information	
Description	File Name

Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Delivery and Handling Charges	Component Description:	Shooting Boom Forklift
	Amount:	\$2,636.52
	Component Description:	Shooting Boom
	Amount:	Forklift \$4,120.02
	Component Description:	Shooting Boom
	Amount:	Forklift \$3,988.04
	Component Description:	Shooting Boom Forklift
	Amount:	\$3,926.13
	Component Description:	Shooting Boom
	Amount:	Forklift \$3,988.04
	Component Description:	Repack
	Amount:	Engineering \$864.08
	Component Description:	Shooting Boom
	Amount:	Forklift \$4,128.50
DTV Medical Facility Notification		
noundation	Component Description:	Medical Notification
	Amount:	\$2,950.00

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.	

Cost Information	Grand Total				
		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$3,964,525.08	\$3,593,319.33	\$2,719,318.23	

Reimbursem	entestiatus	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

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.	
		 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. 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).
- 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.	David Woods President 10/16/2020

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).	
		 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).
- 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.	
an au name	are, under penalty of perjury, that I am thorized representative of the above- d applicant for the Authorization(s) fied above.	David Woods President 10/16/2020

Attachments