

Information

Federal Communications Commission

#### (REFERENCE COPY - Not for submission)

### FCC Form 399: Reimbursement Request

Facility ID: File Number:	73642 00000	Service: DTV 26113	Call Sign:	WCOV-TV	Channel: 22 (UHF)
FRN: <b>003</b>	31406812	Date Submitted:	09/02 /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		
	Existing Transmitter	Is this transmitter currently in operating condition?	Yes		
		Manufacturer			
	Manufacturer and Type	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?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

### Primary Other Transmitter Cost Not Listed Transmitter

ter	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	New Transmission Line			
Transmissio	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 Structure Registration	Do you have a tower registration number?	No	
		ASR Number		
	Coordinates ( <u>NAD83</u> ( 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
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

### Other Tower Expenses Not Listed Primary Tower

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

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, 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	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

### 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).

<b>D</b>	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	\$1,588,021.95	\$1,170,231.98		\$961,239.77	

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
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	\$35,237.50	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

Total for all systems	\$7,226,139.03	\$6,767,074.74	N/A	\$2,538,199.69	N/A
Sub-total	\$1,944,717.35	\$1,513,727.38	N/A	\$1,272,010.40	N/A
			50.		
			40 to ULXTE-		
			From ULXTE-		
			changed		
			Model		
			***Transmitter		
			has been superseded.		
			because line		
21 - 31 kW			locked		
Transmitter			adjusted and		
State			Estimate		
Cooled Solid			Notice:		
UHF - Liquid	\$947,000.00	\$555,002.84	***System	\$555,002.84	N/A
			31.7 kW v0		
			Transmitter		
			Solid State		
			Liquid Cooled		
			110-UHF -		
31.7 kW			WCOV-TV-		
Transmitter			Justification		
State			Cost		
UHF - Liquid Cooled Solid	\$513,381.78	\$513,381.78	see Estimated	\$337,304.93	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:	WCOV-AUX Work
		as Quoted
	Amount:	\$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 - UHF Air Cooled
	Amount:	Solid State, 6.8 kW \$1,604.17
	Component Description: Amount:	#6 THHN Copper Wire \$404.42
	Component Description:	UAXTE-12 Transmitter per
	Amount:	Quote Q-77314 \$96,998.70
	Component Description:	Invoice moved to correct budget category per NMI
	Amount:	message N/A
	Component Description:	1/3 down payment due with order.
	Amount:	\$86,069.63
	Component Description: Amount:	1/3 Down Payment. \$86,069.62
	Component Description:	1/3 Payment Prior to shipment
	Amount:	\$86,069.62

Transmitter Installation		
	Component Description:	WCOV-TV-110-1st
		Primary
		Transmitter -
		Transmitter
		Installation
	Amount:	\$6,833.90
	Component Description:	Services
	Amount:	\$12,250.00
Internal Transmission Line		
	Component Description:	R0006330501 3-
		50 TO 1-50
		SINGLE
		CHANNEL
		REDUCER (CH 14-
		69 UHF)
	Amount:	\$3,553.41
Other Electrical Service:		
Demo electrical panels,	Component Description:	Mobilization and
install new feeder to new		demolition of
transformer, other electrical		existing electrical
required.		equipment
	Amount:	\$35,237.50
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: Amount:	WCOV-TV-110-1st Primary Transmitter - 3 Phase/480 Volt /300 KVA Transformer \$7,390.77
	Component Description: Amount:	Transformer \$1,833.21
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	Component Description: Amount:	A. Transmitter \$40,951.22
	Component Description: Amount:	Transmitter \$296,353.71
	Component Description:	Invoice moved to Eng. Study budget category
	Amount:	N/A

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

### 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	
Sweep test of existing antenna	\$6,730.00	\$6,400.00	Please see WCOV DTVPros quote JEHQ1283	\$3,520.00	N/A
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
Primary Antenna TFU-30DSC- R S-190	\$281,290.57	\$275,538.57		\$203,633.20	
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	\$169,974.00	N/A

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	\$0.00	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$17,520.00	Please see attached DTVPros Quote JEHQ1259- 03	\$15,768.00	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$12,768.00	Please see attached DTVPros Quote JEHQ1259- 03	\$11,491.20	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
Sub-total	\$317,561.55	\$311,479.55	N/A	\$236,694.18	N/A
Total for all systems	\$7,226,139.03	\$6,767,074.74	N/A	\$2,538,199.69	N/A

Actual Information	
Description	File Name

Sweep test of existing antenna	Component Description: Amount:	WCOV-TV-280- Interim Antenna - Sweep Test \$2,880.00
	Component Description: Amount:	WCOV-TV-280- Interim Antenna - Sweep Test \$640.00
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: Amount:	UHF - LOW POWER SIDE MOUNT \$11,166.07
	Component Description: Amount:	UHF - LOW POWER SIDE MOUNT \$11,166.07
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: Amount:	UHF - High Power Side Mount \$84,987.00
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: Amount:	WCOV-TV-210- Primary Antenna - Side Mount Brackets \$7,884.00
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description: Amount:	Elbow Complex \$5,745.60
	Component Description: Amount:	WCOV-TV-210- Primary Antenna - Elbow Complex \$5,745.60
Sweep test of existing antenna	Component Description: Amount:	Sweep Test \$2,880.00
	Component Description:	WCOV-TV-210- Primary Antenna
	Amount:	- Sweep Test \$2,880.00
	Component Description:	WCOV-TV-210- Primary Antenna - Sweep Test
	Amount:	\$640.00

## **Transmission Line**

### Cost Information

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

			Estimated		
Description	Predetermined Cost Estimate	Estimated Cost	Cost Justification	Actual Cost	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	\$315,569.16		\$315,569.14	
Rigid Transmission Line - copper, 6 1/8"	\$395,920.00	\$315,569.16	see Estimated Cost Justification WCOV-TV- 310-Primary Transmission Line - Rigid Transmission LIne, Copper, 6 1_8 v0	\$315,569.14	N/A
Sub-total	\$444,890.00	\$359,140.16	N/A	\$356,705.14	N/A
Total for all systems	\$7,226,139.03	\$6,767,074.74	N/A	\$2,538,199.69	N/A

Actual Information	
Description	File Name

Component Description:	FLEXIBLE TRANSMISSION LINE
Amount:	\$14,626.53
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
	Amount: Component Description: Amount: Component Description: Amount:

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	\$3,833,583.80	\$3,773,428.80		\$185,245.00	
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
Tower Modifications	\$3,585,733.80	\$3,585,733.80	Per Estimate Cost Justification WCOV-TV- 490-Interim Tower - Tower Modifications v0	\$0.00	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	\$4,228,383.80	\$4,293,053.19	N/A	\$537,769.30	N/A
Total for all systems	\$7,226,139.03	\$6,767,074.74	N/A	\$2,538,199.69	N/A

Actual Information Description	File Name	
STA		
	Component Description:	Tower STA
		Analysis
	Amount:	\$3,550.00

Structural Analysis		
	Component Description:	Tower Structural
		Analysis
	Amount:	\$2,000.00
	Component Description: Amount:	Structural Analysis \$7,500.00
	Component Description:	Analysis of Guyed Tower \$5,000.00
Tower Modifications		
rower mounications	Component Description:	50% Down for
	component Description.	Moblization and
		Materials
	Amount:	\$1,792,866.90
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
Tower Mod Design		
	<b>Component Description:</b>	Modification
		Design
	Amount:	\$12,300.00

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

## **Outside Professional Services**

### Cost Information

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

Description Outside Professional Services	Predetermined Cost Estimate \$239,185.00	Estimated Cost \$246,873.13	Estimated Cost Justification	Actual Cost \$106,824.34	Actual Cost Justification
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
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
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
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	\$99,675.00	Per Widelity Strategic Quote	\$92,861.22	N/A
Sub-total	\$239,185.00	\$246,873.13	N/A	\$106,824.34	N/A
Total for all systems	\$7,226,139.03	\$6,767,074.74	N/A	\$2,538,199.69	N/A

Actual Information Description	File Name	
Perform engineering study for new channel assignment and antenna development	Component Description:	WCOV-TV-530- RF Eng - Engineering Study for New Channel Assignment
	Amount:	\$620.83

	Component Description:	System summary and equipment specification - Robert E Thurber, 3 hrs 47 mins @ \$250.00/hr \$945.83
	Component Description: Amount:	WCOV-TV-530- RF Eng - Engineering Study for New Channel Assignment \$2,537.50
	Component Description: Amount:	Consulting Engineer \$400.00
	Component Description: Amount:	Repack Engineering \$499.99
	Component Description: Amount:	Develop final configuration for main antenna \$375.00
	Component Description: Amount:	Repack Engineering \$649.99
	Component Description: Amount:	THTV \$6,263.15
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.	
Prepare request for Special Temporary Authorization	Component Description: Amount:	Repack Engineering \$445.83
	Component Description: Amount:	Develop technica parameters for interim antenna \$600.00
		\$600.00
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License	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
Prepare and or review reimbursement form	Information not provided.	
Project management of the transition	Component Description: Amount:	WCOV-TV-510- Project Management \$71.86
	Component Description: Amount:	Project Management \$7,250.85
	Component Description: Amount:	Project Management \$10,258.75
	Component Description: Amount:	Project Management \$6,316.15
	Component Description: Amount:	Project Management \$2,753.15

Component Description: Amount:	Project Management \$4,984.80
Component Description: Amount:	WCOV-TV-510- Project Management \$15.40
Component Description: Amount:	Project Management \$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 \$4,133.75
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 \$6,403.60
Component Description:	Project
Amount:	Management \$12,581.90
Component Description:	Project
Amount:	Management \$6,403.60
Component Description:	Project
Amount:	Management \$4,007.95
Component Description:	Project Management
Amount:	\$2,488.15

## **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 Cost Justification
Other Expenses	\$51,401.33	\$42,801.33		\$28,196.33	
MVPD Notification of Channel Change	\$0.00	\$0.00	N/A	\$0.00	N/A
Develop and air announcement of upcoming channel change	\$1,200.00	\$1,200.00	N/A	\$0.00	N/A
Equipment Storage	\$15,000.00	\$15,000.00	estimated Dielectric storage	\$1,595.00	N/A
Equipment Delivery and Handling Charges	\$23,651.33	\$23,651.33	see Estimated Cost Justification WCOV-TV- 610- Equipment Delivery and Handling v1	\$23,651.33	N/A
DTV Medical Facility Notification	\$11,550.00	\$2,950.00	Quote attached	\$2,950.00	N/A
Sub-total	\$51,401.33	\$42,801.33	N/A	\$28,196.33	N/A
Total for all systems	\$7,226,139.03	\$6,767,074.74	N/A	\$2,538,199.69	N/A

Actual Information Description	File Name	
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage		
	Component Description:	WCOV-TV-610-
		Equipment
		Storage
	Amount:	\$1,595.00

Equipment Delivery and		
Handling Charges	Component Description:	Shooting Boom
	Amount:	Forklift \$2,636.52
	Component Description:	Shooting Boom Forklift
	Amount:	\$4,120.02
	Component Description:	Shooting Boom
	Amount:	Forklift \$3,988.04
		ψ0,000.0 <del>1</del>
	Component Description:	Shooting Boom Forklift
	Amount:	Forkilft \$4,128.50
	Component Description:	Shooting Boom Forklift
	Amount:	\$3,988.04
	Component Description:	Shooting Boom
	Amount:	Forklift \$3,926.13
		ψ0,320.10
	Component Description:	Repack
	Amount:	Engineering \$864.08
DTV Medical Facility Notification	Component Description:	Medical
	A	Notification
	Amount:	\$2,950.00

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$7,226,139.03	\$6,767,074.74	\$2,538,199.69

Reimbursem	enrestanus	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.	
		<ol> <li>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.</li> <li>The above-named</li> </ol>	
		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 09/02/2020

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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).	
		<ol> <li>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.</li> </ol>	
		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) ried above.	David Woods President 09/02/2020

# Attachments