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

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **73642** | Service: **DTV** | Call Sign: **WCOV-TV** | Channel: **22 (UHF)**

File Number: **0000026113**

FRN: **0031406812** | Date Submitted: **01/31/2021**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WOODS COMMUNICATIONS CORPORATION	One WCOV Avenue Montgomery, AL 36111 United States	+1 (334) 288-7020	kathy@wcov.com	Corporation

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
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 and Type	Manufacturer	
	Model	Sigma
	Year	2001
	Type	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
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	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
	Type	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

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

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	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

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	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

Primary Antenna

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

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

Primary Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	Rigid
	Diameter	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 Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	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 Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

Interim Transmission Line

New Transmission Line

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

Interim Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	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 Required	Are helicopter services required?	No

Primary Tower

Other Tower Expenses Not Listed

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

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

Outside Professional Services Costs

Section	Question	Response
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

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	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

Other Expenses Not Listed

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 Cost Justification
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	**$1,597,821.06**	**$1,180,031.09**		**$1,002,472.38**	

Transmitter Installation	***$24,698.01***	$24,698.01	see Estimated Cost Justification WCOV-TV-110-1st Primary Transmitter - Transmitter Installation v1	$24,676.15	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.	***$67,641.00***	$67,641.00	per Estimated Cost Justification WCOV-TV-110-1st Primary Transmitter - Other Electrical Services v0	$67,641.00	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	$1,954,516.46	$1,523,526.49	N/A	$1,313,243.01	N/A
Total for all systems	$3,965,285.08	$3,695,683.41	N/A	$2,812,066.89	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: **Amount:**	WCOV-TV-180-Interim Transmitter - UHF Air Cooled Solid State, 6.8 kW $1,604.17
	Component Description: **Amount:**	#6 THHN Copper Wire $404.42
	Component Description: **Amount:**	UAXTE-12 Transmitter per Quote Q-77314 $96,998.70
	Component Description: **Amount:**	1/3 Down Payment. $86,069.62
	Component Description: **Amount:**	1/3 Payment Prior to shipment $86,069.62
	Component Description: **Amount:**	Invoice moved to correct budget category per NMI message N/A
	Component Description: **Amount:**	1/3 down payment due with order. $86,069.63

Transmitter Installation	**Component Description:** **Amount:**	WCOV-TV-110-1st Primary Transmitter - Transmitter Installation $6,833.90
	Component Description: **Amount:**	WCOV-TV-110-1st Primary Transmitter - Transmitter Installation $5,592.25
	Component Description: **Amount:**	Services $12,250.00
Internal Transmission Line	**Component Description:** **Amount:**	R0006330501 3-50 TO 1-50 SINGLE CHANNEL REDUCER (CH 14-69 UHF) $3,553.41
Other -- Building Addition Size: 840.0	**Component Description:** **Amount:**	LABOR - TRIP CHARGE $3,236.86

Other Electrical Service: Demo electrical panels, install new feeder to new transformer, other electrical required.	**Component Description:** **Amount:**	We installed the owner furnished 120V line voltage sensors and the low voltage cabling $760.00
	Component Description: **Amount:**	Mobilization and demolition of existing electrical equipment $35,237.50
	Component Description: **Amount:**	For the new installation of the lighting and power for the new equipment $31,643.50
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:**	Transformer $1,833.21
	Component Description: **Amount:**	WCOV-TV-110-1st Primary Transmitter - 3 Phase/480 Volt /300 KVA Transformer $7,390.77

UHF - Liquid Cooled Solid State Transmitter 31.7 kW	**Component Description:** **Amount:**	Transmitter $296,353.71
	Component Description: **Amount:**	Invoice moved to Eng. Study budget category N/A
	Component Description: **Amount:**	A. Transmitter $40,951.22
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	**Component Description:** **Amount:**	1/3 Payment Prior to shipment $277,501.42
	Component Description: **Amount:**	Invoice moved to the new component. N/A
	Component Description: **Amount:**	1/3 Down Payment $279,334.64
	Component Description: **Amount:**	1/3 Down Payment. $277,501.42

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna 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**	**$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
Sub-total	$317,561.55	$322,163.31	N/A	$285,853.31	N/A

Total for all systems	$3,965,285.08	$3,695,683.41	N/A	$2,812,066.89	N/A

Components

Actual Information Description	File Name
Sweep test of existing antenna	**Component Description:** WCOV-TV-280-Interim Antenna - Sweep Test **Amount:** $2,880.00 **Component Description:** WCOV-TV-280-Interim Antenna - Sweep Test **Amount:** $640.00
UHF - High Power, Side Mount, basic slot antenna, 29 kW input, directional,, horizontally polarized	**Component Description:** TV ANT TLP12B **Amount:** $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
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 $2,928.42
	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 $2,134.14
	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: **Amount:**	WCOV-TV-210-Primary Antenna - Sweep Test $2,880.00
	Component Description: **Amount:**	WCOV-TV-210-Primary Antenna - Sweep Test $640.00
	Component Description: **Amount:**	WCOV-TV-210-Primary Antenna - Sweep Test $8,650.00
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: **Amount:**	UHF - HIGH POWER SIDE MOUNT $44,096.57
	Component Description: **Amount:**	UHF - High Power Side Mount $84,987.00

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	**$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**	**$354,988.51**		**$319,948.58**	
Rigid Transmission Line - copper, 6 1/8"	$395,920.00	$354,988.51	see Estimated Cost Justification WCOV-TV-310-Primary Transmission Line - Rigid Transmission LIne, Copper, 6 1_8 v2	$319,948.58	N/A
Sub-total	$444,890.00	$398,559.51	N/A	$361,084.58	N/A
Total for all systems	$3,965,285.08	$3,695,683.41	N/A	$2,812,066.89	N/A

Components

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
	Amount:	$72,505.46
	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:	R0003761502 6" VERTICAL FIXED" SINGLE HEAVY DUTY
	Amount:	$11,491.07
	Component Description:	R0003761502 6" VERTICAL FIXED" SINGLE HEAVY DUTY
	Amount:	$4,379.44
	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 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**	**$574,571.77**		**$398,971.67**	
Drawings for Tower Modifications	***$8,500.00***	$8,500.00	Please see Elevated Structural Consultants invoice 348	$8,500.00	N/A
Tall Tower (greater than 500')	$210,500.00	$390,471.77	see Estimated Cost Justification WCOV-TV-410-Existing Primary Tower - Tower Rigging, Tall Tower v2	$390,471.67	N/A
Minor tower reinforcement /modifications	$158,000.00	$150,000.00	N/A	$0.00	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	$1,125,135.77	N/A	$672,497.67	N/A
Total for all systems	$3,965,285.08	$3,695,683.41	N/A	$2,812,066.89	N/A

Components

Actual Information Description	**File Name**

Tower Modifications	**Component Description:** **Amount:**	Customer Deposit for the WCOV TV Repack Studio Tower Modification $70,250.94
	Component Description: **Amount:**	50% Down for Moblization and Materials $1,792,866.90
STA	**Component Description:** **Amount:**	Tower STA Analysis $3,550.00
Structural Analysis	**Component Description:** **Amount:**	Structural Analysis $7,500.00
	Component Description: **Amount:**	Analysis of Guyed Tower $5,000.00
	Component Description: **Amount:**	Tower Structural Analysis $2,000.00
Compound Mapping	**Component Description:** **Amount:**	Compound Mapping $4,550.00
New tower	Information not provided.	

Tall Tower (greater than 500')	**Component Description:** **Amount:**	WCOV-TV-490-Interim Tower - Tower Rigging, Tall Tower $18,030.06
	Component Description: **Amount:**	Install $150,345.00
Tower Mod Design	**Component Description:** **Amount:**	Modification Design $12,300.00
Drawings for Tower Modifications	**Component Description:** **Amount:**	Contract Drawings for Modifications per recent analysis of 725' guyed tower. $8,500.00
Tall Tower (greater than 500')	**Component Description:** **Amount:**	Travel $46,447.37
	Component Description: **Amount:**	Construction $23,660.39
	Component Description: **Amount:**	Construction $83,202.51
	Component Description: **Amount:**	Construction $237,161.40

Minor tower reinforcement /modifications	**Component Description:** **Amount:** **Component Description:** **Amount:**	This invoice has been moved to the Tall Tower category N/A Invoice moved to Drawings for Tower Modifications category N/A
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.	

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 Justificat
Outside Professional Services	**$239,185.00**	**$279,685.26**		**$146,600.25**	
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	$12,442.29	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	$132,487.13	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	$132,487.13	Please se submitte invoices
Sub-total	$239,185.00	$279,685.26	N/A	$146,600.25	N/A
Total for all systems	$3,965,285.08	$3,695,683.41	N/A	$2,812,066.89	N/A

Components

Actual Information Description	File Name	
Perform engineering study for new channel assignment and antenna development	**Component Description:** **Amount:**	WCOV-TV Fac ID 73642 Montgomery AL $150.00
	Component Description: **Amount:**	WCOV-TV-530-RF Eng - Engineering Study for New Channel Assignment $2,537.50

	Component Description: Consulting Engineer **Amount:** $400.00 **Component Description:** Repack Engineering **Amount:** $499.99 **Component Description:** Repack Engineering **Amount:** $649.99 **Component Description:** WCOV-TV-530-RF Eng - Engineering Study for New Channel Assignment **Amount:** $620.83 **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 **Component Description:** THTV **Amount:** $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:** Repack Engineering **Amount:** $445.83 **Component Description:** Develop technical parameters for interim antenna **Amount:** $600.00
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
Prepare and or review reimbursement form	Information not provided.	
Project management of the transition	**Component Description:** **Amount:** **Component Description:** **Amount:** **Component Description:** **Amount:** **Component Description:** **Amount:** **Component Description:** **Amount:**	WCOV-TV-510-Project Management $110.36 Project Management $7,250.85 Project Management $10,258.75 Project Management $8,011.20 Project Management $11,753.05

Component Description: Project Management
Amount: $4,984.80

Component Description: WCOV-TV-510-Project Management
Amount: $15.40

Component Description: Project Management
Amount: $3,842.80

Component Description: WCOV-TV-510-Project Management
Amount: $179.66

Component Description: Project Management
Amount: $10,546.30

Component Description: Project Management
Amount: $8,907.80

Component Description: Project Management
Amount: $4,133.75

Component Description: Project Management
Amount: $10,037.85

Component Description: Project Management
Amount: $6,729.55

Component Description:	Project Management
Amount:	$6,403.60
Component Description:	Project Management
Amount:	$258.75
Component Description:	Project Management
Amount:	$6,316.15
Component Description:	Project Management
Amount:	$12,581.90
Component Description:	Project Management
Amount:	$8,018.05
Component Description:	Project Management
Amount:	$2,753.15
Component Description:	Project Management
Amount:	$2,488.15
Component Description:	Project Management
Amount:	$6,403.60
Component Description:	WCOV-TV-510-Project Management
Amount:	$71.86

Component Description:	Project Management
Amount:	$4,007.95
Component Description:	Project Management
Amount:	$2,825.45

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 Justifi
Other Expenses	**$55,213.07**	**$46,613.07**		**$32,788.07**	
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/
Equipment Storage	***$15,000.00***	$15,000.00	estimated Dielectric storage	$2,375.00	N/
Equipment Delivery and Handling Charges	***$27,463.07***	$27,463.07	see Estimated Cost JustificationWCOV-TV-610-Equipment Delivery and Handling V2	$27,463.07	Please subm invoi
DTV Medical Facility Notification	$11,550.00	$2,950.00	Quote attached	$2,950.00	N/
Sub-total	$55,213.07	$46,613.07	N/A	$32,788.07	N/
Total for all systems	$3,965,285.08	$3,695,683.41	N/A	$2,812,066.89	N/

Components

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 **Component Description:** WCOV-TV-610-Equipment Storage **Amount:** $780.00

Equipment Delivery and Handling Charges	**Component Description:** **Amount:**	On Site Engineering $3,811.74
	Component Description: **Amount:**	Shooting Boom Forklift $2,636.52
	Component Description: **Amount:**	Shooting Boom Forklift $4,120.02
	Component Description: **Amount:**	Shooting Boom Forklift $3,988.04
	Component Description: **Amount:**	Shooting Boom Forklift $4,128.50
	Component Description: **Amount:**	Shooting Boom Forklift $3,926.13
	Component Description: **Amount:**	Repack Engineering $864.08
	Component Description: **Amount:**	Shooting Boom Forklift $3,988.04
DTV Medical Facility Notification	**Component Description:** **Amount:**	Medical Notification $2,950.00

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$3,965,285.08	$3,695,683.41	$2,812,066.89

Reimbursement Status

Question	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.	
	1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.	

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

	8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**David Woods** *President* 01/31/2021

Certification

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

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

	8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**David Woods** *President* 01/31/2021

Attachments