



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **73642** | Service: **DTV** | Call **WCOV-TV** | Channel: **22 (UHF)** |  
ID:  
File **0000026113**  
Number:  
FRN: **0031406812** | Date **02/29**  
Submitted: **/2020**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>WOODS COMMUNICATIONS CORPORATION</b> Doing Business As: WCOV	Paul McTear 1 WCOV Avenue Montgomery, AL 36111 United States	+1 (334) 323-5581	paul@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
<b>Michael Carroll</b> <i>Chief Engineer</i> <i>Woods Communications</i>	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
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	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.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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**  
Information not provided.

**Interim  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	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
<b>Electrical Service</b>	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
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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
<b>Inside RF System</b>	Is an additional interior RF system required to support this interim transmitter?	No

**Interim Transmitter** **Other Transmitter Cost Not Listed**  
Information not provided.

**Antennas**

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



**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	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
<b>Existing Antenna Manufacturer and Type</b>	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
<b>Combiner for Shared Antenna</b>	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
<b>Elbow Complex</b>	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
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

Primary Antenna	Other Antenna Cost Not Listed Information not provided.
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**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	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
<b>New Antenna Manufacturer and Type</b>	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
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**Interim  
Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	No

**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
<b>Existing Transmission Line Description</b>	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
<b>Existing Transmission Line Manufacturer and Type</b>	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** **New Transmission Line**  
**Transmission Line** **Section**

Section	Question	Response
<b>New Transmission Line Costs</b>	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** **Other Transmission Line Expenses Not Listed**  
**Transmission Line** **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
8649	WZHT	FM
13993	WSFA	DTV

## 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

<b>Helicopter Services Required</b>	Are helicopter services required?	No
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**Primary  
Tower**

**Other Tower Expenses Not Listed**

Information not provided.

**Interim  
Tower****Tower Construction Costs**

Section	Question	Response
<b>Construct New Tower</b>	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
<b>Tower Rigging Costs</b>	Complex Tower	N/A
<b>Helicopter Services Required</b>	Are helicopter services required?	No

**Interim  
Tower****Other Tower Expenses Not Listed**

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

**Outside  
Professional**

Section	Question	Response
<b>Services Costs Outside Project Management Services</b>	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
<b>Outside RF consulting Engineering Services</b>	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
<b>Attorney and Other Outside Consulting Services</b>	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
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside  
Professional

Other Professional Services Expenses Not Listed

Services Costs

Name	Description
Camillia Communication	Interim service to MVPD's during transition

## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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
<b>Permit and Filing Costs</b>	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
<b>Other Miscellaneous Expenses</b>	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

<b>Other Expenses</b>	<b>Other Expenses Not Listed</b> Information not provided.
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## 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
<b>Interim Transmitter UAXTE-12</b>	<b>\$317,034.14</b>	<b>\$315,784.14</b>		<b>\$278,515.80</b>	
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	<b>\$291,484.14</b>	\$291,484.14	see Estimated Cost Justification WCOV-TV- 180-Interim Transmitter - UHF Air Cooled Solid State, 6.8 kW v0	\$273,760.80	N/A
<b>Primary Transmitter ULXTE-50</b>	<b>\$1,348,334.71</b>	<b>\$930,544.74</b>		<b>\$897,651.24</b>	
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	<b>\$296,353.71</b>	\$296,353.71	Remaining Cost Estimate from superseded category	\$296,353.71	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
Other Electrical Service: Demo electrical panels, install new feeder to new transformer, other electrical required.	<b>\$66,881.00</b>	\$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
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
<b>Sub-total</b>	\$1,665,368.85	\$1,246,328.88	N/A	\$1,176,167.04	N/A

<b>Total for all systems</b>	\$6,875,691.13	\$6,143,886.29	N/A	\$1,672,261.56	N/A
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**Components**

Actual Information		
Description	File Name	
Transformer 3 phase/480v - 150 KVA	<b>Component Description:</b>  <b>Amount:</b>	WCOV-AUX Work as Quoted \$4,755.00

UHF - Air Cooled Solid State Transmitter 6.8 kW	<div> <b>Component Description:</b> WCOV-TV-180-Interim Transmitter - UHF Air Cooled Solid State, 6.8 kW         </div> <div> <b>Amount:</b> \$1,604.17         </div>
	<div> <b>Component Description:</b> #6 THHN Copper Wire         </div> <div> <b>Amount:</b> \$404.42         </div>
	<div> <b>Component Description:</b> UAXTE-12 Transmitter per Quote Q-77314         </div> <div> <b>Amount:</b> \$96,998.70         </div>
	<div> <b>Component Description:</b> Repack Engineering         </div> <div> <b>Amount:</b> \$2,614.27         </div>
	<div> <b>Component Description:</b> 1/3 down payment due with order.         </div> <div> <b>Amount:</b> \$86,069.63         </div>
	<div> <b>Component Description:</b> 1/3 Down Payment.         </div> <div> <b>Amount:</b> \$86,069.62         </div>
	<div> <b>Component Description:</b> 1/3 Payment Prior to shipment         </div> <div> <b>Amount:</b> \$86,069.62         </div>
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	<div> <b>Component Description:</b> Transmitter         </div> <div> <b>Amount:</b> \$296,353.71         </div>



Transformer 3 phase/480v - 300 KVA	<div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> Transformer  \$1,833.21 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> WCOV-TV-110-1st Primary Transmitter - 3 Phase/480 Volt /300 KVA Transformer  \$7,390.77 </div> </div> <div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> Transformer  \$1,833.21 </div> </div>
Other Electrical Service: Demo electrical panels, install new feeder to new transformer, other electrical required.	<div> <div> <b>Component Description:</b>  <b>Amount:</b> </div> <div> Mobilization and demolition of existing electrical equipment  \$35,237.50 </div> </div>
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

UHF - Liquid Cooled Solid  
State Transmitter 21 - 31 kW

<b>Component Description:</b>	1/3 Down Payment.
<b>Amount:</b>	\$277,501.42
<b>Component Description:</b>	1/3 Payment Prior to shipment
<b>Amount:</b>	\$277,501.42
<b>Component Description:</b>	1/3 Down Payment
<b>Amount:</b>	\$279,334.64
<b>Component Description:</b>	Invoice moved to the new component.
<b>Amount:</b>	N/A

## 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
<b>Interim Antenna TLP-12B</b>	<b>\$24,813.48</b>	<b>\$24,813.48</b>		<b>\$22,332.14</b>	
UHF - High Power, Side Mount, basic slot antenna, 29 kW input, directional,, horizontally polarized	<i>\$24,813.48</i>	\$24,813.48	Quote attached Estimated tax and shipping included in cost Please see WCOV-TV-280-Interim Antenna - UHF High Power Side Mount, Directional, H-POL Budget Increase Justification V0	\$22,332.14	N/A
<b>Primary Antenna TFU-30DSC-R S-190</b>	<b>\$255,300.00</b>	<b>\$249,548.00</b>		<b>\$202,993.20</b>	

UHF - High Power, Side Mount, basic slot antenna, 670 kW input, directional,, elliptically or circularly polarized	<b>\$207,860.00</b>	\$207,860.00	Please see attached DTVPros Quote JEHQ1259-03	\$183,603.60	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
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	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	\$5,745.60	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	\$7,884.00	N/A
<b>Sub-total</b>	<b>\$280,113.48</b>	<b>\$274,361.48</b>	<b>N/A</b>	<b>\$225,325.34</b>	<b>N/A</b>

<b>Total for all systems</b>	\$6,875,691.13	\$6,143,886.29	N/A	\$1,672,261.56	N/A
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## Components

Actual Information	
Description	File Name
UHF - High Power, Side Mount, basic slot antenna, 29 kW input, directional,, horizontally polarized	<b>Component Description:</b>
	UHF - LOW POWER SIDE MOUNT
	<b>Amount:</b>
	\$11,166.07
	<b>Component Description:</b>
	UHF - LOW POWER SIDE MOUNT
	<b>Amount:</b>
	\$11,166.07
UHF - High Power, Side Mount, basic slot antenna, 670 kW input, directional,, elliptically or circularly polarized	<b>Component Description:</b>
	UHF - High Power Side Mount
	<b>Amount:</b>
	\$84,987.00
	<b>Component Description:</b>
	Antenna
	<b>Amount:</b>
	\$98,616.60
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.

Sweep test of existing antenna	<div> <div> <b>Component Description:</b> WCOV-TV-210-Primary Antenna - Sweep Test </div> <div> <b>Amount:</b> \$2,880.00 </div> </div> <div> <div> <b>Component Description:</b> Sweep Test </div> <div> <b>Amount:</b> \$2,880.00 </div> </div>
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	<div> <div> <b>Component Description:</b> WCOV-TV-210-Primary Antenna - Elbow Complex </div> <div> <b>Amount:</b> \$5,745.60 </div> </div>
Side mount brackets for high power antennas (if not included in antenna base cost)	<div> <div> <b>Component Description:</b> WCOV-TV-210-Primary Antenna - Side Mount Brackets </div> <div> <b>Amount:</b> \$7,884.00 </div> </div>

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		\$17,506.55	
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	\$17,506.55	N/A
Primary Transmission Line	\$395,920.00	\$274,918.00		\$215,157.32	
Rigid Transmission Line - copper, 6 1/8"	\$395,920.00	\$274,918.00	Quote attached (included in antenna quote) Estimated tax and shipping included in cost	\$215,157.32	N/A
Sub-total	\$444,890.00	\$318,489.00	N/A	\$232,663.87	N/A
Total for all systems	\$6,875,691.13	\$6,143,886.29	N/A	\$1,672,261.56	N/A

Components

Actual Information Description	File Name
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Flexible Air Transmission Line - dielectric, 3"	<div> <div>Component Description:</div> <div>Deposit for RF line and accessories</div> </div> <div> <div>Amount:</div> <div>\$17,506.55</div> </div>
Rigid Transmission Line - copper, 6 1/8"	<div> <div>Component Description:</div> <div>Rigid Transmission Line - Copper</div> </div> <div> <div>Amount:</div> <div>\$107,578.66</div> </div> <div> <div>Component Description:</div> <div>Transmission Line</div> </div> <div> <div>Amount:</div> <div>\$107,578.66</div> </div>



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	\$3,821,083.80	\$3,660,583.80		\$5,550.00	
Tall Tower (greater than 500')	\$210,500.00	\$50,000.00	test	\$0.00	N/A
Tower Mod Design	\$12,300.00	\$12,300.00	N/A	\$0.00	N/A
STA	\$3,550.00	\$3,550.00	N/A	\$3,550.00	N/A
Structural Analysis	\$2,000.00	\$2,000.00	N/A	\$2,000.00	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	\$0.00	N/A
New tower	\$0.00	\$0.00	N/A	\$0.00	N/A
Primary Tower GTOWER	\$394,800.00	\$375,600.00		\$0.00	
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	\$0.00	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
<b>Sub-total</b>	\$4,215,883.80	\$4,036,183.80	N/A	\$5,550.00	N/A
<b>Total for all systems</b>	\$6,875,691.13	\$6,143,886.29	N/A	\$1,672,261.56	N/A

## Components

Actual Information Description	File Name
Tall Tower (greater than 500')	Information not provided.
Tower Mod Design	Information not provided.
STA	<p><b>Component Description:</b> Tower STA Analysis</p> <p><b>Amount:</b> \$3,550.00</p>
Structural Analysis	<p><b>Component Description:</b> Tower Structural Analysis</p> <p><b>Amount:</b> \$2,000.00</p>
Tower Modifications	<p><b>Component Description:</b> 50% Down for Mobilization and Materials</p> <p><b>Amount:</b> \$1,792,866.90</p>
Compound Mapping	Information not provided.

New tower	Information not provided.
Tall Tower (greater than 500')	Information not provided.
Minor tower reinforcement /modifications	Information not provided.
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 Cost Justification
<b>Outside Professional Services</b>	<b>\$239,185.00</b>	<b>\$246,873.13</b>		<b>\$29,605.31</b>	
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	\$1,045.83	N/A
Camillia Communication	<i>\$25,000.00</i>	\$25,000.00	MVPD continuity during interim broadcast.	\$0.00	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	\$0.00	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	\$0.00	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	\$0.00	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$0.00	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$2,105.00	\$2,000.00	N/A	\$0.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$0.00	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$0.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$2,000.00	N/A	\$0.00	N/A

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$0.00	N/A
Project management of the transition	\$94,010.00	\$99,675.00	Per Widely Strategic Quote	\$18,313.01	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,560.00	N/A	\$0.00	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	\$10,246.47	N/A
<b>Sub-total</b>	\$239,185.00	\$246,873.13	N/A	\$29,605.31	N/A
<b>Total for all systems</b>	\$6,875,691.13	\$6,143,886.29	N/A	\$1,672,261.56	N/A

## Components

**Actual Information**  
**Description**

**File Name**

Prepare request for Special Temporary Authorization	<div> <b>Component Description:</b> Repack Engineering</div> <div> <b>Amount:</b> \$445.83</div>
	<div> <b>Component Description:</b> Develop technical parameters for interim antenna</div> <div> <b>Amount:</b> \$600.00</div>
Camillia Communication	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
Project management of the transition	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Project Management \$4,984.80 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> WCOV-TV-510-Project Management \$15.40 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> WCOV-TV-510-Project Management \$179.66 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Project Management \$6,729.55 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Project Management \$6,403.60 </div> </div>
Prepare and or review reimbursement form	Information not provided.



Perform engineering study  
for new channel assignment  
and antenna development

**Component Description:**

WCOV-TV-530-  
RF Eng -  
Engineering Study  
for New Channel  
Assignment

**Amount:**

\$2,537.50

**Component Description:**

Repack  
Engineering

**Amount:**

\$499.99

**Component Description:**

System summary  
and equipment  
specification -  
Robert E Thurber,  
3 hrs 47 mins @

**Amount:**

\$250.00/hr  
\$945.83

**Component Description:**

THTV

**Amount:**

\$6,263.15

Cost  
Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$30,250.00	\$21,650.00		\$2,950.00	
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	\$0.00	N/A
Equipment Delivery and Handling Charges	\$2,500.00	\$2,500.00	estimated fork lift on site	\$0.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$2,950.00	Quote attached	\$2,950.00	N/A
Sub-total	\$30,250.00	\$21,650.00	N/A	\$2,950.00	N/A
Total for all systems	\$6,875,691.13	\$6,143,886.29	N/A	\$1,672,261.56	N/A

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	Information not provided.
Equipment Delivery and Handling Charges	Information not provided.
DTV Medical Facility Notification	<div> <div> <b>Component Description:</b> </div> <div> Medical Notification </div> </div> <div> <div> <b>Amount:</b> </div> <div> \$2,950.00 </div> </div>

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$6,875,691.13	\$6,143,886.29	\$1,672,261.56

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	<p>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.</p>	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> </ol>	

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.

<p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>David Woods</b>  <i>President</i></p> <p>02/29/2020</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS 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 AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p>	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	



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.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>David Woods</b> <i>President</i></p> <p>02/29/2020</p>

## Attachments