

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility	73354	Service: DTV	Call	WNWO-TV	Channel: 23 (UHF)
ID:			Sign:		'
File	000002	8785			
Number:					
FRN: 002	2491864	Date	05/08		
		Submitted:	/2019		

Applicant Name, Type, and Contact Information

Applicant Information

Applicant		Address	Phone	Email	Applicant Type
WNWO LICENSI Business As: W LICENSEE, LLC Doing Business A LICENSEE, LLC	NWO	Harvey Arnold 10706 Beaver Dam Road Cockeysville, MD 21030 United States	+1 (410) 568- 1500	harnold@sbgtv. com	Limited Liability Company

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Name and Information Preparer Contact Applicant Address Phone Email Information Paul A. Cicelski Paul Cicelski +1 (202) Sinclair399s@SummitRidgeGroup. , Esq. 2001 L Street 416-6756 com Lerman Senter NW PLLC Suite 400 Washington, DC 20036 **United States**

Broadcaster	Question	Response
Information and Transition Plan	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	See Exhibit A.

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

Add Transmitter Information

Transmitter	Section	Question	Response
	Existing Transmitter Description	Type of change	Retune Existing
		Use	Auxiliary (Backup)
		Ownership	Owned
		Owner	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	Rohde & Schwarz
		Model	NV8608
		Year	2005
		Туре	Solid State

Solid State Cooling	Liquid Cooled
Solid State Power capacity	7 kW

Retuning Transmitter Costs

Auxiliary Transmitter

	Section	Question	Response
	New IOT Tubes	Number of Tubes (including accessories) needed	N/A
	New Mask Filter	Power	7 kW
		Other Power	N/A
	New Exciter	Is a new exciter needed?	No

Auxiliary Other Transmitter Costs

Transmitter	Section	Question	Response
	Electrical Service	Service Entrance (3 phases 800A 208V)	No
		Switchgear (industrial 800 amp)	No
		Transformer (480V)	No
		Power	N/A
		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?	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

Other Transmitter Cost Not Listed

AuxiliaryOther Transmitter CoTransmitterInformation not provided.

Primary	Existing Transmitter Information				
Transmitter	Section	Question	Response		
	Existing Transmitter Description	Type of change	Purchase New		
		Use	Primary (Main)		
		Description of Use	N/A		
		Ownership	Owned		
		Owner	N/A		
		Site	N/A		
		Is this transmitter currently shared with another station?	No		
		Is this transmitter currently in operating condition?	Yes		
	Existing Transmitter Manufacturer and Type	Manufacturer			
		Model	Quantum QXD1		
		Year	2003		
		Туре	Inductive Output Tube		
		IOT Power Type	Single		
		Power Capacity	30 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	THU9evo-20			
		Transmitter Type	Solid State			
		Solid State Cooling	Liquid Cooled			
		Solid State Power capacity	31 kW			
		Justification for New Transmitter	Per the manufacturer, the current transmitter cannot be retuned. See Exhibit B.			

Primary	Other Transmitter Costs			
Transmitter	Section	Question	Response	
	Electrical Service	Service Entrance (3 phases 800A 208V)	No	
		Switchgear (industrial 800 amp)	Yes	
		Transformer (480V)	Yes	
		Power	300 kVA	
		Rigid Conduit and Wiring	Yes	
		Size	2 inches	
		Length	800.0 feet	
		Other Electrical Service	No	

	Description	N/A
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

Other Transmitter Cost Not Listed

Primary Other Transmitter Co Transmitter Information not provided.

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	Elliptical	
		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)	105.0 kW	

Manufacturer	
Model	TFU-12DSC /VP-R
Year	2014

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?	No	
		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	
		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)	62.5 kW	
		Manufacturer		
			1	

Model	TFU-12DS /VP-R C19
Year	2017
Justification for New Antenna	Current antenna is a single channel antenna that canno be used fo the new post- auction channel.

Primary Other Antenna Costs

Antenna	Section	Question	Response
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
		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
Side Mount Brackets		Broadband or Single Channel?	Single Channel
		Feed Line Size	8 3/16 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
AntennaOther Antenna Cost Not ListedInformation not provided.

Interim	New Antenna Costs			
Antenna	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	Elliptical	
		Туре	Broadband Panel	
		Number of Stations Supported	1	
		Number of Panels/Bays	8	
		Lower Limit	470.00 MHz	
		Upper Limit	598.00 MHz	
		Design power capacity in use	50.0 %	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	62.5 kW	
		Manufacturer		
		Model	TFU-8WB /VP C160	
		Year	2017	

Justification for New Antenna	Interim
	antenna to
	be used to
	stay on the
	air while th
	main
	antenna
	undergoes
	constructio
	for the pos
	auction
	channel
	change.

Other Antenna Costs

Interim Antenna

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	В
	Feed Line Size	3 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
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

Existing Transmission Line Primary Existing Transmission

sior	Section	Question	Response
	Existing Transmission Line Description	Type of change	Utilize Existing
		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	Dielectric
	Line Manufacturer and Type	Туре	Rigid
		Diameter	8 3/16 inches
		Other Diameter	N/A
		Segment Length	19 3/4 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	1400 feet per run

Other Transmission Line Expenses Not Listed Primary Transmission to provided.

Auxiliary	Add Transmission Line			
Transmissio	Section	Question	Response	
	Existing Transmission Line Description	Type of change	Utilize Existing	
		Use	Auxiliary (Backup)	
		Description of Use	Backup	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
		Is this transmission currently shared with any other stations?	No	
		Is Transmission Line in operating condition?	Yes	
	Existing Transmission Line Manufacturer and Type	Manufacturer	Dielectric	
		Туре	Rigid	
		Diameter	3 1/8 inches	
		Other Diameter	N/A	
		Segment Length	19 3/4 inches	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	1400 feet per run	

Other Transmission Line Expenses Not Listed Auxiliary Transmission Line

Trans Test	Trans Test 3-50
Elbow Complex	Elbow Complex, 4 1/16", broadband, jumper 4" Air Flex HJ11-50 20ft, LG w/ 3-50 GP Connectors installed both ends for antenna input
Reducer	Reducer 4-50 EIA X 3-50 EIA STD "QS"

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

marv	Existing	Tower
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Primary	Existing Tower			
Tower	Section	Question	Response	
	Existing Tower Description	Type of change	Modify Existing	
		Tower Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		Is this tower consider Complex?	No	
		Is this tower currently shared with any other stations?	No	
		One or more FM, AM or TV radio broadcaster(s)	N/A	
		Others Types of Users	N/A	
		Is tower documented for structural analysis?	Yes	
		Is tower compliant with Rev G?	No	
	Existing Tower Structure Registration Coordinates (NAD83 (North American Datum of 1983))	Do you have a tower registration number?	Yes	
		ASR Number	1012091	
		Latitude (NAD83)	41° 40' 03.0" N-	
		Longitude (NAD83)	083° 21' 22.0" W-	
		Overall Structure Height	1436.99 feet	
		Support Structure Height	1372.03 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	579.06 feet	

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	WNWO Licensee, LLC
	Date Constructed	01/01/1983

Primary Tower Section Out

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Serious Reinforcements needed

Primary Tower Rigging Costs

Tower

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

Primary Other Tower Expenses Not Listed

Tower Information not provided.

Auxiliary Tower	Add Tower			
	Section	Question	Response	
	Existing Tower Description	Type of change	Modify Existing	
		Tower Use	Auxiliary (Backup)	
		Description of Use	Interim Tower for repack	
		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?	Yes	
	Existing Tower Structure Registration	Do you have a tower registration number?	Yes	
		ASR Number	1025392	
	Coordinates (<u>NAD83</u> (North American Datum of 1983))	Latitude (NAD83)	41° 40' 60.0" N-	
		Longitude (NAD83)	083° 24' 49.0" W-	
		Overall Structure Height	1048.87 feet	
		Support Structure Height	973.09 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	580.05 feet	
		Structure Type	TOWER - Free Standing or Guyed Structure	

Tower Owner	Gray Television Group, Inc.
Date Constructed	01/01/1959

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
74150	WTVG	DTV

Auxiliary Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	No study needed
Tower Reinforcements	Please select whether tower reinforcements are needed:	No reinforcements needed

Auxiliary Tower Rigging Costs

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1	ower	

Tower

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

Auxiliary Other Tower Expenses Not Listed

Tower Information not provided.

Outside Professional	Section	Question	Response
		Do you require outside project management services?	Yes
		Number of Hours	470
		Explanation	Outside consulting engineering, legal work, and accounting services, as well as project management for regional and comprehensive repack execution.
	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	No
		For Main Facility	Yes
		Prepare request for Special Temporary Authority	Yes
		Quantity	2
		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	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	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	Yes
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 roostsided.

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	Yes
		Non-zoning permits	Yes
		BLM or NFS Coordination	No
		FCC Construction Permit Minor Change	No
		FCC License to Cover Application	Yes
		FCC Special Temporary Authority Application	Yes
	Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
		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).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter THU9evo-20	\$1,537,300.00	\$439,041.12		\$676,067.94	
2" Rigid Conduit and Wiring (Cost per foot)	\$20,800.00	\$20,000.00	N/A	\$5,550.00	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$322,777.00	N/A	\$645,553.82	Item Need More Information - 322,776.91 should be removed.
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$24,964.12	***System Notice: Estimate adjusted and locked because line has been superseded.	\$24,964.12	N/A
Auxiliary Transmitter NV8608	\$111,410.00	\$105,900.00		\$89,884.38	

UHF and VHF - minor banding issues	\$105,200.00	\$100,000.00	N/A	\$89,884.38	N/A
7 kW mask filter	\$6,210.00	\$5,900.00	N/A	N/A	N/A
Sub-total	\$1,648,710.00	\$544,941.12	N/A	\$765,952.32	N/A
Total for all systems	\$3,784,673.37	\$3,248,576.89	N/A	\$1,659,617.18	N/A

Components

Actual Information Description	File Name	
2" Rigid Conduit and Wiring (Cost per foot)	Component Description: Amount:	Transmitter related cost. #15820 \$5,550.00
Transformer 3 phase/480v - 300 KVA	Information not provided.	
Switchgear - industrial 800 amp	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	Component Description: Amount:	Transmitter cost, upgrade excluded. #9500081148 \$322,776.91
	Component Description:	Transmitter cost, upgrade excluded. #9500081148
	Amount:	\$322,776.91

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	Component Description:	Transmitter relate cost. #CD60160561
	Amount:	\$9,318.05
	Component Description:	Transmitter relate
	Amount:	20.02%. #220006 \$15,646.07
UHF and VHF - minor banding issues	Component Description:	Transmitter relate
	Component Description:	cost, 25% down. #9500078956
	Amount:	\$89,884.38
7 kW mask filter	Information not provided.	

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 TFU-8WB /VP C160	\$142,320.00	\$91,944.00		\$46,439.58	
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$25,000.00	Updated cost of estimated amount per FCC requirement.	\$0.00	N/A
Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	\$9,340.00	\$8,880.00	N/A	\$0.00	N/A
UHF - Lower Power Side Mount, One Station antenna . medium power (50- 200 kW), elliptically or circularly polarized	\$103,100.00	\$51,664.00	See attached quote from Dielectric.	\$41,320.86	N/A

Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,118.72	N/A
Primary Antenna TFU-12DSC /VP-R C190	\$153,490.00	\$144,987.90		\$101,956.90	
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	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$16,425.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	\$15,250.00	\$15,206.00	See attached price quote.	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A

UHF - Lower Power Side Mount, One Station antenna . medium power (50- 200 kW), elliptically or circularly polarized	\$103,100.00	\$101,956.90	See attached quote from Dielectric.	\$101,956.90	N/A
Sub-total	\$295,810.00	\$236,931.90	N/A	\$148,396.48	N/A
Total for all systems	\$3,784,673.37	\$3,248,576.89	N/A	\$1,659,617.18	N/A

Components

Actual Information Description	File Name	
Side mount brackets for high power antennas (if not included in antenna base cost)	Component Description: Amount:	Antenna related cost reduced by 20.02%. #217016 \$24,753.81
Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	Information not provided.	

UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	Component Description: Amount:	Total amount reduced by 20.02%. #24887 \$41,320.86
	Component Description: Amount:	Total amount reduced by 20.02%. #192014 N/A
Sweep test of existing antenna	Component Description:	Antenna related sweep test cost reduced by
	Amount:	20.02%. #257018 \$5,118.72
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)	Information not provided.	
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	Information not provided.	
Sweep test of existing antenna	Information not provided.	

UHF - Lower Power SideMount, One Station antenna. medium power (50-200kW), elliptically or circularly	Component Description:	Antenna related cost reduced by 20.02%, #26101
polarized	Amount:	\$4,114.97
	Component Description:	Antenna cost, upgrade
		excluded. #192014
	Amount:	\$97,841.93

Transmission Line

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
Primary Transmission Line	\$0.00	\$0.00		\$0.00	
Auxiliary Transmission Line	\$5,707.37	\$5,707.37		\$5,707.37	
Reducer	\$991.75	\$991.75	See attached quote from Dielectric.	\$991.75	N/A
Elbow Complex	\$3,291.98	\$3,291.98	See attached quote from Dielectric.	\$3,291.98	N/A
Trans Test	\$1,423.64	\$1,423.64	See attached quote from Dielectric.	\$1,423.64	N/A
Sub-total	\$5,707.37	\$5,707.37	N/A	\$5,707.37	N/A
Total for all systems	\$3,784,673.37	\$3,248,576.89	N/A	\$1,659,617.18	N/A

Components

Actual Information	
Description	File Name

Reducer		
	Component Description:	2nd line item
		reduced by
		20.02%. #24951
	Amount:	\$991.75
	Component Description:	Reducer 4-50 EIA
		X 3-50 EIA STD
	Amount:	\$1,240.00
Elbow Complex		
	Component Description:	1st line item
		reduced by
		20.02%. #24951
	Amount:	\$3,291.98
	Component Description:	Elbow Complex,
	component Description.	broadband 4-1
		/16" Feedline.
	Amount:	\$4,116.00
Trans Test		
	Component Description:	Trans test 3-50.
	Amount:	\$1,780.00
	Component Description:	3rd line item
		reduced by
		20.02%. #24951
	Amount:	\$1,423.64

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 Cos Justificatio
Primary Tower TOWER	\$1,275,100.00	\$1,919,615.50		\$657,686.70	
Serious tower reinforcement /modifications	\$1,052,000.00	\$1,749,791.00	See attached letter and quotation from Stainless explaining the tower reinforcement, rigging, and modifications situation and quoted prices.	\$612,347.20	N/A
Tall Tower (greater than 500')	\$210,500.00	\$123,043.00	See attached letter and quotation from Stainless explaining the tower reinforcement, rigging, and modifications situation and quoted prices. This price includes the "ALL RIGGING" and "ALL ANTENNA AND LINE INSTALL" line items.	\$26,956.50	N/A

Structural engineering tower load study for well documented tower	\$12,600.00	\$46,781.50	Updated cost of estimated amount per FCC requirement.	\$18,383.00	N/A
Auxiliary Tower TOWER	\$210,500.00	\$205,000.00		\$53,913.00	
Tall Tower (greater than 500')	\$210,500.00	\$205,000.00	N/A	\$53,913.00	N/A
Sub-total	\$1,485,600.00	\$2,124,615.50	N/A	\$711,599.70	N/A
Total for all systems	\$3,784,673.37	\$3,248,576.89	N/A	\$1,659,617.18	N/A

Components

File Name	
Component Description: Amount:	Construction services. #E159081 \$25,248.50
Component Description: Amount:	50% balance. #E- 173396 \$25,248.50
Component Description: Amount:	30% downpayment. #E150078 \$561,850.20
Component Description: Amount:	50% downpayment. #166091 \$26,956.50
	Component Description: Amount: Component Description: Amount: Component Description: Amount: Component Description:

Structural engineering tower load study for well documented tower

Component Description:

Amount:

Component Description: Amount:

Component Description:

Amount:

Component Description:

Amount:

Component Description:

Amount:

Component Description:

Engineering structural analysis. #138476 \$3,150.00

50% final. #148378 \$3,150.00

Tower related cost. #E-173399 \$5,500.00

Tower related cost. #E-173396 \$25,248.50

Engineering soil borings. #138032 \$3,291.50

Engineering structural analysis -50% downpayment. #148378 \$3,150.00

Component Description:

Amount:

Amount:

Component Description:

Amount:

Engineering soil borings. #143122 \$3,291.50

Engineering

\$3,150.00

structural analysis.

	Component Description: Amount:	Engineering soil borings. \$3,291.50
Tall Tower (greater than		
500')	Component Description:	50% balance. #E-
		174780
	Amount:	\$26,956.50
	Component Description:	50% down. #E-
		166091
	Amount:	\$26,956.50

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	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$220,150.00	\$208,250.00		\$25,011.31	
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$10,000.00	N/A	N/A	N/A
NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,000.00	N/A	N/A	N/A

Project management of the transition	\$74,260.00	\$70,500.00	N/A	\$15,139.60	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$2,447.79	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$4,870.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,332.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$221.92	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	N/A	N/A	N/A
Sub-total	\$220,150.00	\$208,250.00	N/A	\$25,011.31	N/A
Total for all systems	\$3,784,673.37	\$3,248,576.89	N/A	\$1,659,617.18	N/A

Components

Actual Information Description	File Name
Comprehensive coverage verification via field study, if needed	Information not provided.
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.

ASR modification (prepare FCC Form 854)	Information not provided.	
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.	
NEPA Section 106 environmental review, if needed	Information not provided.	
Project management of the transition		
	Component Description:	Legal services cost. #467390
	Amount:	\$57.50
	Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations.
	Amount:	#465173 \$654.26
	Component Description:	Legal services cost. #467355
	Amount:	\$57.50
	Component Description:	Portion of general repack matter invoice
		attributable to this station - divided by 99 stations.
		#468718

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1055 \$243.38
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #453972 \$716.28
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 99 stations. #1086 \$275.35
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1072 \$237.64
Component Description: Amount:	Legal services cost. #464359 \$57.50

Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1069 \$246.68
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #457331 \$836.44
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #463567 \$566.48
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1039 \$30.47

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1063 \$262.29
Component Description: Amount:	Legal services cost. #466702 \$370.00
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #463026 \$801.57
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #1010 \$86.88
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #467861
Amount:	\$470.30

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$1,954.93
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #465001 \$596.30
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #461289 \$91.50
Component Description: Amount:	Legal services cost. #457853 \$890.40
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$20.91

Portion of general repack matter invoice attributable to this station - divided by 98 stations. #464321 \$683.07
Legal services cost. #461801 \$267.75
Legal Service Cost. #467898 \$112.50
Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1045 \$185.10
Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1079 \$177.14

Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #467378 \$576.96
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #1090 \$176.70
Component Description: Amount:	Legal Service Cost. #468723 \$212.50
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$32.35
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1078 \$215.68

Component Description: Amount:	Legal Service Cost. #467795 \$125.00
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #466690 \$446.87
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #461759 \$29.98
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1058 \$187.24
Component Description: Amount:	Legal services cost. #460938 \$172.50

Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #1012 \$20.64
Component Description: Amount:	Legal services cost. #465187 \$240.00
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #453686 \$943.95
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$107.53
Component Description: Amount:	Legal services cost. #464701 \$177.50
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$43.72

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #1093 \$269.71
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #450412 \$999.04
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$731.72
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$912.82
Component Description: Amount:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1051 \$105.97

	Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #457851 \$818.59
Prepare and or review reimbursement form	Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #461289 \$1,311.48
	Component Description: Amount:	Legal services cost. \$115.00
	Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. \$152.01
	Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #461759
	Amount:	\$869.30

Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Perform engineering study for new channel assignment and antenna development	Component Description:	WNWO CP application. #466671
	Amount:	\$265.00
	Component Description:	Consulting engineering cost
	Amount:	\$4,605.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit	Component Description:	Consulting engineering cost
Application	Amount:	\$2,332.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare request for Special		

Atterney Face Dreners and		
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #461759 \$99.92
	Component Description:	Portion of general
		repack matter invoice attributable to this station - divided by 93 stations. #461289
	Amount:	\$122.00
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	

Other Expenses

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$128,696.00	\$128,131.00		\$2,950.00	
MVPD Notification of Channel Change	\$5,000.00	\$5,000.00	See Exhibit J.	N/A	N/A
Develop and air announcement of upcoming channel change	\$28,050.00	\$28,050.00	See Response to August 9 Inquiry.	N/A	N/A
Equipment Storage	\$15,000.00	\$15,000.00	See Exhibit J.	N/A	N/A
Equipment Delivery and Handling Charges	\$10,000.00	\$10,000.00	See Exhibit J.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$28,566.00	\$28,566.00	See Response to August 9 Inquiry.	N/A	N/A
Non-zoning permits	\$10,000.00	\$10,000.00	See Exhibit J.	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$2,950.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A

Local Zoning	\$20,000.00	\$20,000.00	See Exhibit J.	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Sub-total	\$128,696.00	\$128,131.00	N/A	\$2,950.00	N/A
Total for all systems	\$3,784,673.37	\$3,248,576.89	N/A	\$1,659,617.18	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.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
Non-zoning permits	Information not provided.	
DTV Medical Facility Notification	Component Description: Amount:	Medical notification. #1049 \$2,950.00
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
Local Zoning	Information not provided.	

FCC Filing Fees - Special	Information not provided.
Temporary Authorization	
request	

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$3,784,673.37	\$3,248,576.89	\$1,659,617.18

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

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

8.	The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
an au name	are, under penalty of perjury, that I am thorized representative of the above- d applicant for the Authorization(s) fied above.	David B Amy Secretary Sinclair Television
		Group Inc

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

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

I declare, under penalty of perjury, that I am an authorized representative of the above- named applicant for the Authorization(s) specified above.		 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. 	
05/08/2019	an na	authorized representative of the above- amed applicant for the Authorization(s)	Amy Secretary Sinclair Television

Attachments