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: **73354** | Service: **DTV** | Call Sign: **WNWO-TV** | Channel: **23 (UHF)**

File Number: **0000028785**

FRN: **0022491864** | Date Submitted: **05/14/2019**

Applicant Information

Applicant Name, Type, and Contact Information

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

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
Paul A. Cicelski, Esq . *Lerman Senter PLLC*	Paul Cicelski 2001 L Street NW Suite 400 Washington, DC 20036 United States	+1 (202) 416-6756	Sinclair399s@SummitRidgeGroup.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	See Exhibit A.

Transmitters

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

Auxiliary Transmitter

Add Transmitter Information

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
	Type	Solid State

	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	7 kW

Auxiliary Transmitter

Retuning Transmitter Costs

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 Transmitter

Other Transmitter Costs

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
	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?	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

Auxiliary Transmitter

Other Transmitter Cost Not Listed

Information not provided.

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	Quantum QXD1
	Year	2003
	Type	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	30 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	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 Transmitter

Other Transmitter Costs

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
	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?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary 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
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	Elliptical
	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)	105.0 kW

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

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?	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
	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)	62.5 kW
	Manufacturer	

	Model	TFU-12DSC /VP-R C190
	Year	2017
	Justification for New Antenna	Current antenna is a single channel antenna that cannot be used for the new post-auction channel.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	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	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 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	Elliptical
	Type	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 the main antenna undergoes construction for the post-auction channel change.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	B
	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 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	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 Line Manufacturer and Type	Manufacturer	Dielectric
	Type	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

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

Auxiliary Transmission Line

Add Transmission Line

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
	Type	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

Auxiliary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description

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 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	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	Do you have a tower registration number?	Yes
	ASR Number	1012091
Coordinates (NAD83 (North American Datum of 1983))	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

Tower Modification Costs

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

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

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 (NAD83 (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

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

Tower Rigging Costs

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

Auxiliary Tower

Other Tower Expenses Not Listed

Information not provided.

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	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 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	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

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Information not provided.

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	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

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
Primary Transmitter THU9evo-20	**$1,537,300.00**	**$439,041.12**		**$337,644.96**	
Switchgear - industrial 800 amp	$38,200.00	$36,300.00	N/A	N/A	N/A
Transformer 3 phase /480v - 300 KVA	$36,800.00	$35,000.00	N/A	N/A	N/A
2" Rigid Conduit and Wiring (Cost per foot)	$20,800.00	$20,000.00	N/A	$5,550.00	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	$947,000.00	$322,777.00	N/A	$322,776.91	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. ***	$9,318.05	N/A
Auxiliary Transmitter NV8608	**$111,410.00**	**$105,900.00**		**$89,884.38**	

7 kW mask filter	$6,210.00	$5,900.00	N/A	N/A	N/A
UHF and VHF - minor banding issues	$105,200.00	$100,000.00	N/A	$89,884.38	N/A
Sub-total	$1,648,710.00	$544,941.12	N/A	$427,529.34	N/A
Total for all systems	$3,784,673.37	$3,253,198.82	N/A	$1,292,922.01	N/A

Components

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

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

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 TFU-8WB /VP C160	**$142,320.00**	**$97,246.93**		**$20,764.79**	
UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	$103,100.00	$56,966.93	See attached quotes from Dielectric.	$15,646.07	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$5,118.72	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

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
Primary Antenna TFU-12DSC /VP-R C190	**$153,490.00**	**$144,306.90**		**$126,710.71**	
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	$15,250.00	$14,525.00	See attached price quote.	$11,617.10	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	$23,150.00	$16,425.00	N/A	$13,136.71	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	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
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	N/A	N/A
Sub-total	$295,810.00	$241,553.83	N/A	$147,475.50	N/A
Total for all systems	$3,784,673.37	$3,253,198.82	N/A	$1,292,922.01	N/A

Components

Actual Information Description	File Name

UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	**Component Description:** **Amount:**	Elbows for aux antenna project. #220006 $15,646.07
	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:** **Amount:**	Antenna related sweep test cost reduced by 20.02%. #257018 $5,118.72
Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	Information not provided.	
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, single channel, at antenna input, per 8 3/16. feedline (if needed)	**Component Description:** **Amount:**	Line item 2-7 reduced by 20.02%. #217016 $11,617.10

Side mount brackets for high power antennas (if not included in antenna base cost)	**Component Description:** **Amount:**	Line item 1 on the invoice reduced by 20.02%. #217016 $13,136.71
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
UHF - Lower Power Side Mount, One Station antenna . medium power (50-200 kW), elliptically or circularly polarized	**Component Description:** **Amount:** **Component Description:** **Amount:**	Antenna cost, upgrade excluded. #192014 $97,841.93 Antenna related cost reduced by 20.02%. #261017 $4,114.97
Sweep test of existing antenna	Information not provided.	

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
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 updated quote from Dielectric.	$991.75	Item "Need more information - $991.75" should be removed.
Trans Test	***$1,423.64***	$1,423.64	See attached updated quote from Dielectric.	$1,423.64	Item "Need more information - $1423.64" should be removed.
Elbow Complex	***$3,291.98***	$3,291.98	See attached updated quote from Dielectric.	$3,291.98	Item "Need more information - $3291.98" should be removed.
Sub-total	$5,707.37	$5,707.37	N/A	$5,707.37	N/A
Total for all systems	$3,784,673.37	$3,253,198.82	N/A	$1,292,922.01	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
	Component Description:	2nd line item reduced by 20.02%. #24951
	Amount:	$991.75
Trans Test	**Component Description:**	3rd line item reduced by 20.02%. #24951
	Amount:	$1,423.64
	Component Description:	3rd line item reduced by 20.02%. #24951
	Amount:	$1,423.64
	Component Description:	Trans test 3-50.
	Amount:	$1,780.00

Elbow Complex	**Component Description:**	1st line item reduced by 20.02%. #24951
	Amount:	$3,291.98
	Component Description:	1st line item reduced by 20.02%. #24951
	Amount:	$3,291.98
	Component Description:	Elbow Complex, broadband 4-1 /16" Feedline.
	Amount:	$4,116.00

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
Primary Tower TOWER	**$1,275,100.00**	**$1,919,615.50**		**$630,730.20**	
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.	$0.00	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	$684,643.20	N/A
Total for all systems	$3,784,673.37	$3,253,198.82	N/A	$1,292,922.01	N/A

Components

Actual Information Description	File Name	
Serious tower reinforcement /modifications	**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
Tall Tower (greater than 500')	**Component Description:** **Amount:**	50% downpayment. #166091 $26,956.50

Structural engineering tower load study for well documented tower

Component Description:	Engineering structural analysis. #138476
Amount:	$3,150.00
Component Description:	Engineering soil borings. #143122
Amount:	$3,291.50
Component Description:	Tower related cost. #E-173396
Amount:	$25,248.50
Component Description:	Engineering structural analysis - 50% downpayment. #148378
Amount:	$3,150.00
Component Description:	Tower related cost. #E-173399
Amount:	$5,500.00
Component Description:	50% final. #148378
Amount:	$3,150.00
Component Description:	Engineering soil borings. #138032
Amount:	$3,291.50
Component Description:	Engineering soil borings.
Amount:	$3,291.50

	Component Description:	Engineering structural analysis.
	Amount:	$3,150.00
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

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
Outside Professional Services	**$220,150.00**	**$208,250.00**		**$24,616.60**	
Project management of the transition	$74,260.00	$70,500.00	N/A	$14,744.89	"Legal Service Cost. #467795" should be removed.
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

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
NEPA Section 106 environmental review, if needed	$6,310.00	$6,000.00	N/A	N/A	N/A
Sub-total	$220,150.00	$208,250.00	N/A	$24,616.60	N/A
Total for all systems	$3,784,673.37	$3,253,198.82	N/A	$1,292,922.01	N/A

Components

Actual Information Description	File Name	
Project management of the transition	**Component Description:**	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1058
	Amount:	$187.24

Component Description:	Legal services cost. #466702
Amount:	$370.00
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #466690
Amount:	$446.87
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1072
Amount:	$237.64
Component Description:	Legal services cost. #464359
Amount:	$57.50
Component Description:	Legal services cost. #460938
Amount:	$172.50
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1069
Amount:	$246.68

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 100 stations. #1093
Amount:	$269.71
Component Description:	Legal Service Cost. #467795
Amount:	$125.00
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations.
Amount:	$912.82
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations.
Amount:	$1,954.93
Component Description:	Legal services cost. #457853
Amount:	$890.40
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #453972
Amount:	$716.28

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #461759
Amount:	$29.98
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1045
Amount:	$185.10
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #1010
Amount:	$86.88
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #450412
Amount:	$999.04

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #464321
Amount:	$683.07
Component Description:	Legal services cost. #464701
Amount:	$177.50
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #465173
Amount:	$654.26
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 99 stations. #468718
Amount:	$349.51
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #457331
Amount:	$836.44

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1063
Amount:	$262.29
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #461289
Amount:	$91.50
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations.
Amount:	$43.72
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #465001
Amount:	$596.30
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. #1055
Amount:	$243.38
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 100 stations. #1090
Amount:	$176.70
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1039
Amount:	$30.47

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #463026
Amount:	$801.57
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations.
Amount:	$20.91
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #467378
Amount:	$576.96
Component Description:	Legal services cost. #461801
Amount:	$267.75
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #1012
Amount:	$20.64

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations.
Amount:	$731.72
Component Description:	Legal services cost. #465187
Amount:	$240.00
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations. #457851
Amount:	$818.59
Component Description:	Legal Service Cost. #468723
Amount:	$212.50
Component Description:	Legal services cost. #467355
Amount:	$57.50
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 93 stations.
Amount:	$107.53

Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #463567
Amount:	$566.48
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 99 stations. #1086
Amount:	$275.35
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1078
Amount:	$215.68
Component Description:	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1051
Amount:	$105.97

	Component Description: Portion of general repack matter invoice attributable to this station - divided by 93 stations. #453686 **Amount:** $943.95 **Component Description:** Portion of general repack matter invoice attributable to this station - divided by 93 stations. **Amount:** $32.35 **Component Description:** Portion of general repack matter invoice attributable to this station - divided by 98 stations. #1079 **Amount:** $177.14 **Component Description:** Legal Service Cost. #467898 **Amount:** $112.50
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.
Prepare and or review reimbursement form	**Component Description:** Portion of general repack matter invoice attributable to this station - divided by 93 stations. **Amount:** $152.01 **Component Description:** Portion of general repack matter invoice attributable to this station - divided by 93 stations. #461289 **Amount:** $1,311.48 **Component Description:** Legal services cost. **Amount:** $115.00 **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:** **Amount:** **Component Description:** **Amount:**	WNWO CP application. #466671 $265.00 Consulting engineering cost. $4,605.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:**	Consulting engineering cost. $2,332.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:** **Component Description:** **Amount:**	Portion of general repack matter invoice attributable to this station - divided by 98 stations. #461759 $99.92 Portion of general repack matter invoice attributable to this station - divided by 93 stations. #461289 $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.
NEPA Section 106 environmental review, if needed	Information not provided.

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	**$128,696.00**	**$128,131.00**		**$2,950.00**	
FCC Filing Fees - Form 2100 license to cover application	$335.00	$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	$11,550.00	$11,000.00	N/A	$2,950.00	N/A
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

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	$3,253,198.82	N/A	$1,292,922.01	N/A

Components

Actual Information Description	File Name
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
DTV Medical Facility Notification	**Component Description:** Medical notification. #1049 **Amount:** $2,950.00
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.
Local Zoning	Information not provided.

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

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$3,784,673.37	$3,253,198.82	$1,292,922.01

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.	**Lucy Rutishauser** *CFO* 05/14/2019

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.	**Lucy Rutishauser** *CFO* 05/14/2019

Attachments