

Federal Communications Commission

## (REFERENCE COPY - Not for submission)

## FCC Form 399: Reimbursement Request

Facility ID:	73195	Service: DTV	Call Sign:	WKYC	Channel: 19 (UHF)
File Number:	0000028	8022			
FRN: <b>002</b>	4376642	Date Submitted:	06/09 /2021		

#### Applicant Name, Type, and Contact Information Applicant Information Applicant Address Phone Email **Applicant Type** WKYC-Denise Branson, Sr. dbranson@TEGNA. Limited +1(703)TV, LLC Paralegal 873-6606 com Liability **TEGNA** Inc. Company 8350 Broad Street, Suite 2000 Tysons, VA 22102 **United States**

#### Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer	Preparer Contact Name and Information			
Contact Information	Applicant	Address	Phone	Email
	Gary Davis	Gary Davis	+1 (404) 873-	gadavis@tegna.
	Regional Head of Technology and	8350 Broad	9199	com
	Operations	Street		
	TEGNA	Suite 2000		
		Tysons, VA		
		22102		
		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	WKYC operates on a shared tower with WVIZ. Each stations has separate transmitters antennas and transmission lines. WKYC Will be replacing the Primary and Aux antenna, transmission line and transmitter.

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

Primary	Existing Transmitter Information			
Transmitter	Section	Question	Response	
	Existing Transmitter Description	Type of change	Purchase New	
		Use	Primary (Main)	
		Description of Use	N/A	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
		Is this transmitter currently shared with another station?	No	
		Is this transmitter currently in operating condition?	Yes	
	Existing Transmitter	Manufacturer		
	Manufacturer and Type	Model	PWR60 D2	
		Year	2008	
			Inductive Output Tube	
		IOT Power Type	Тwo	
		Power Capacity	60 kW	

## **Existing Transmitter Information**

Primary	New Transmitter Costs			
Transmitter	Section	Question	Response	
	New Transmitter	Use	Primary (Main)	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	Yes	
		Manufacturer		
		Model	ULXTE 90	
		Transmitter Type	Solid State	
		Solid State Cooling	Liquid Cooled	
		Solid State Power capacity	56.4 kW	
		Justification for New Transmitter	Station has in excess of 10% TPO headroom and is eligible for a 1-Step- Up Allowance. Reimbursable TPO is 49.6 kW based on initial 90-day filing CP. This would require a ULXTE-80. A 1-Step-Up is the ULXTE- 90 and is therefore reimbursable.	

Primary Transmitter	Other Transmitter Costs	er 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	3 inches
	Length	100.0 feet
	Other Electrical Service	Yes
	Description	Additional electrical services required for transmitter installation, including heat exchangers, transformers, cooling pumps, etc.
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?	Yes
	Size	900.0 square feet
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

#### Other Transmitter Cost Not Listed

## Primary Transmitter

Name	Description
RF Accessories	RF Accessories
Installation and Proof	Installation and Proof
OH Sales Tax	OH Sales Tax
Change Orders	Change Orders
Freight	Freight
Mask Filter	Mask Filter

Antennas Section		Question     Response       Do you have antenna related expenses?     Yes	
Antenna Rela	ated Expenses	Do you have antenna related expenses?	Yes

Auxiliary	Existing Antenna Information			
Antenna	Section	Question	Response	
	Existing Antenna Description	Type of change	Purchase New	
		Antenna Use	Auxiliary (Backup)	
		Description of Use	Use during maintenance or tower work	
		Ownership	Owned	
		Owner	N/A	
		Site	N/A	
	Is the existing antenna shared with another station or stations? Is the existing antenna directional? Is antenna in operating condition?		No	
		Is the existing antenna directional?	Yes	
		Yes		
		Is antenna located on or in close proximity to an antenna farm?	No	
	Existing Antenna Class	Class	Full Power	
	Manufacturer and Type	Mounting	Side Mount	
	Anter	Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels	N/A	
		Design power capacity in use	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Other Antenna Type	N/A	

	ERP: (Effective Radiated Power)	930.0 kW
	Manufacturer	
	Model	TFU24DSC- R 4C150
	Year	2008

Auxiliary	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Auxiliary (Backup)	
		Description of Use	used during line repair or other tower maintenance	
		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	Horizontal	
		Туре	Broadband Slot	
		Number of Stations Supported	1	
		Number of Panels/Bays	24	
		Lower Limit	488.00 MHz	
		Upper Limit	494.00 MHz	
		Design power capacity in use	100.0 %	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	930.0 kW	

Manufacturer	
Model	TFU-24WB- R C160
Year	2019
Justification for New Antenna	Station has a licensed AUX facility and must be replaced. It is necessary to keep station on air during primary antenna replacement & for duration of assigned phase. A TFU-24WB cost is equivalent to a single- channel slot AUX antenna.

Auxiliary	Other Antenna Costs
Antenna	Section

าล	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
	Broadband or Single Channel?	Broadband
	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

# Auxiliary Other Antenna Cost Not Listed

Antenna

Name	Description
Shipping	\$5,400

Primary	Existing Antenna Information			
Antenna	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	Top Mount	
		Antenna position in stack	Bottom	
		Polarization	Horizontal	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels	N/A	
		Design power capacity in use	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	868.0 kW	

Manufacturer	
Model	TFU- 20EBT-R 4C150
Year	2008

Primary	New Antenna Costs			
Antenna	Section	Question	Response	
	New Antenna Description	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	Yes	
		Ownership	Owned	
		Owner	N/A	
		Is antenna shared?	No	
		Is antenna directional?	Yes	
		Will antenna be located on or in close proximity to an antenna farm?	No	
	New Antenna	Class	Full Power	
	Manufacturer and Types	Mounting	Top Mount	
		Antenna position in stack	Bottom	
		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)	911.0 kW	
		Manufacturer		
			1	

Model	TFU-20EBT /VP -R 4C150
Year	2019
Justification for New Antenna	Licensed top-mount, bottom- stack antenna cannot be re-tuned for new post- transition frequency and must be replaced. The station is opting to Upgrade the antenna changing to Elliptical polarization

## Primary Other Antenna Costs

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

	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	
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

# Primary<br/>Antenna Other Antenna Cost Not Listed Name Description New Top Plate Existing top-plate and/or bolt pattern may<br/>not work for new top-mount antenna Shipping Shipping Structural Study Structural Study

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Auxiliary	Existing Transmission Line			
Transmissio	on Line Section	Question	Response	
	Existing Transmission Line Description	Type of change	Purchase New	
		Use	Auxiliary (Backup)	
		Description of Use	backup for tower work and maintenance	
		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		
		Туре	Rigid	
		Diameter	6 1/8 inches	
		Other Diameter	N/A	
		Segment Length	19 1/2 inches	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	1160 feet per run	

Auxiliary	New Transmission Line			
Transmissio	on Line Section	Question	Response	
	New Transmission Line Costs	Use	Auxiliary (Backup)	
		Description of Use	Backup for maintenance and tower work	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	No	
		Туре	Rigid	
		Diameter	6 1/8 inches	
		Other Diameter	N/A	
		Segment Length	19 3/4 inches	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	875 feet per run	
		Justification for New Transmission Line	Existing AUX TX line will not work on new channel assignment. Therefore, station must replace existing AUX TX line with new 19-3/4 ft section line for CH19.	

Auxiliary	Other Transmission Line Expenses Not Listed		
Transmissio	n Line	Description	
	TX Line Sweep	Sweep require	

Line Sweep	Sweep required to verify post-transition channel measures well on new line.

ransmissio	Section	Question	Response
	Existing Transmission Line Description	Type of change	Purchase New
		Use	Primary (Main)
		Description of Use	N/A
		Ownership	Owned
		Owner	N/A
		Site	N/A
		Is the existing transmission line shared with another station or stations?	No
		Is Transmission Line in operating condition?	Yes
	Existing Transmission	Manufacturer	
Line Manufacturer and Type		Туре	Rigid
		Diameter	6 1/8 inches
		Other Diameter	N/A
		Segment Length	20 inches
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	1170 feet per run

# Primary Existing Transmission Line

Primary	New Transmission Line			
Transmissio	section	Question	Response	
	New Transmission Line Costs	Use	Primary (Main)	
		Description of Use	N/A	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	No	
		Туре	Rigid	
		Diameter	6 1/8 inches	
		Other Diameter	N/A	
		Segment Length	20 inches	
		Other Segment Length	N/A	
		Number of parallel runs	1	
		Length	1170 feet per run	
		Justification for New Transmission Line	Existing 6-1 /8" rigid transmission line uses section lengths that are prohibited for post- transition Channel 19. Therefore, station must replace existing line with new 6-1 /8" rigid transmission line made up of 20 ft sections.	

# Other Transmission Line Expenses Not Listed Transmission Line Description

De	scription
•	veep required to verify post-transition annel measures well on new line.

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 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?		
		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?	No	
		Is tower compliant with Rev G?	Yes	
	Existing Tower Structure Registration	Do you have a tower registration number?	Yes	
		ASR Number	1265403	
	Coordinates ( <u>NAD83</u> ( North American Datum of 1983))	Latitude (NAD83)	41° 23' 09.9" N-	
		Longitude (NAD83)	081° 41' 20.7" W-	
		Overall Structure Height	912.06 feet	
		Support Structure Height	912.06 feet	
		Ground Elevation Above Mean Sea Level (AMSL)	1040.01 feet	

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	6600 Broadview LLC
Date Constructed	06/05/2009

#### 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
18753	WVIZ	DTV

## Primary Tower Modification Costs

Tower

Tower

#### Section Question Response **Engineering Study** Please what type of engineering study is Study needed required, if any: for undocumented /poorly documented tower **Tower Reinforcements** Please select whether tower reinforcements Major are needed: Reinforcements needed

## Primary Tower Rigging Costs

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

Primary<br/>TowerOther Tower Expenses Not ListedInformation not provided.

Outside	Section	Question	Response
Professional	Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
		Number of Hours	1000
		Explanation	It will be necessary to schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399s. Station does not have available personnel or personnel trained in project management for such complex projects.
	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	Yes
		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	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
Services	For Auxiliary Facility	Yes
	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	2
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	No
	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	Yes
	Additional Field Engineering Service	Yes

Number of Days	20
Justification	\$2,500 per
	site visit
	including
	expenses x
	20 days. It is
	necessary to
	survey the
	site, plan the
	equipment,
	develop
	specifications
	for
	purchasing,
	& oversee
	multiple
	vendor RF
	projects.
	Station does
	not have
	available
	personnel
	trained in
	such
	services.

## Outside Other Professional Services Expenses Not Listed

Professional	Services Costs	Description
	Installation Services	This cost originally listed under installation services. Relocated per FCC staff instructions.
	Other Legal Services	Other Legal Services related to the DTV Repack
	Other Engineering Services	Other Engineering Services
	Pre filing site review	outside engineering firm to review facilities before filling

Other Expenses	Section	Question	Response
	AM Pattern Disturbance	Is an Impact Study needed?	Yes
		Is Remediation needed?	Yes
	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

Other Expenses

Name	Description	
Internal labor	Local and Corporate Labor	
Viewer call assistance service	Viewer call assistance service	

#### Transmitters

#### Cost Information

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

Description Primary Transmitter ULXTE 90	Predetermined Cost Estimate \$3,014,798.76	Estimated Cost \$2,609,595.02	Estimated Cost Justification	Actual Cost \$2,572,810.74	Actual Cost Justification
Mask Filter	\$70,609.60	\$70,609.60	See attached / uploaded PDF file titled "Gates US0326478 v200524jgv2. pdf"	\$70,609.60	N/A
Freight	\$17,159.48	\$17,159.48	See attached / uploaded PDF file titled "Gates US0326478 v200524jgv2. pdf"	\$17,159.48	N/A
Change Orders	\$0.00	\$0.00	See attached / uploaded PDF file titled "Gates US0326478 v200524jgv2. pdf"	(\$7,160.23)	N/A
OH Sales Tax	\$130,554.06	\$130,554.06	See attached / uploaded PDF file titled "Gates US0326478 v200524jgv2. pdf"	\$130,554.06	N/A

Installation and Proof	\$81,690.50	\$81,690.50	See attached / uploaded PDF file titled "Gates US0326478 v200524jgv2. pdf"	\$81,690.50	N/A
RF Accessories	\$50,110.12	\$50,110.12	See attached / uploaded PDF files titled "Gates US0326478 v200524jgv2. pdf" and "Digikey 61383132 v200420pmv1. pdf"	\$50,110.12	N/A
Other Building Addition Size: 900.0	\$809,675.00	\$809,675.00	900 square foot expansion for new transmitter, including professional fees. See attached WKYC Building justification.	\$697,525.61	N/A
Other Electrical Service: Additional electrical services required for transmitter installation, including heat exchangers, transformers, cooling pumps, etc.	\$25,000.00	\$25,000.00	Additional electrical services required for transmitter installation, including heat exchangers, transformers, cooling pumps, etc.	\$14,690.00	N/A

3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,900.00	N/A	N/A	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$11,474.39	See attached / uploaded PDF file titled "Gates US0326478 v200524jgv2. pdf"	\$11,474.39	N/A
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,408,421.87	See attached / uploaded PDF file titled "Gates US0326478 v200524jgv2. pdf"	\$1,506,157.21	Х
Sub-total	\$3,014,798.76	\$2,609,595.02	N/A	\$2,572,810.74	N/A
Total for all systems	\$5,571,734.71	\$5,186,194.70	N/A	\$4,375,838.26	N/A

## Components

Actual Information	
Description	File Name

Mask Filter		
	Component Description:	Gates US0326478
	Amounti	v200524jgv2 \$35,304.81
	Amount:	\$35,304.8T
	Component Description:	Inv JW30004450-1 WKYC TX Mask
		Filter 1 3rd dp
		UL20180713jg v1
	Amount:	\$23,536.53
	Component Description:	Gates inv
		#JW30004450-1A
		TX Mask Filter 1 6th
	America	dp UL20190214jgv1
	Amount:	\$11,768.26
Freight		
	Component Description:	Gates US0326478 v200524jgv2
	Amount:	\$17,159.48
		φτ7,100.40
Change Orders		
	Component Description:	Gates US0326478
	A magning to	v200524jgv2
	Amount:	(\$7,160.23)
OH Sales Tax		
	<b>Component Description:</b>	Gates US0326478
		v200524jgv2
	Amount:	\$130,554.06

Installation and Proof		
	<b>Component Description:</b>	Gates US0326478
		v200524jgv2
	Amount:	\$40,845.25
	Component Description:	Inv JW30004450-1 WKYC TX Install 1
		3rd dp
		UL20180713jg v1
	Amount:	\$27,230.17
	Component Description:	Gates inv
		#JW30004450-1A
		TX Install 1 6th dp UL20190214jgv1
	Amount:	\$13,615.08
		,
RF Accessories		
	Component Description:	Gates US0326478
		v200524jgv2
	Amount:	\$24,864.99
	Component Description:	Gates inv
	Component Description.	#JW30004450-1A
		TX RF accessories
		1 6th dp
		UL20190214jgv1
	Amount:	\$8,288.32
	Component Descriptions	Digitory 61282122
	Component Description:	Digikey 61383132 v200420pmv1
	Amount:	\$380.16
	Component Description:	Inv JW30004450-1
		WKYC TX RF
		accessories 1 3rd
	Amount:	dp UL20180713jg v1 \$16,576.65

Component Description:	WKYC Osborn inv #29267 Civil Eng UL20180801jg v2
Amount:	\$3,909.60
Component Description:	Donleys inv #1105- 02 TX Bldg Addition pmt 2 UL20190130jgv1
Amount:	\$241,164.27
Component Description: Amount:	Donleys 1105-05 v191003pmv1 \$28,589.02
Component Description:	Inv 265370 WKYC Design Devel UL20180705jg v1
Amount:	\$2,884.87
Component Description: Amount:	Donleys 1105-105 v191003pmv1 \$14,604.46
Component Description:	WKYC Osborn inv #29512 Civil Eng UL20180815jg v1
Amount:	\$7,457.20
Component Description:	Donleys inv #1105- 03 TX Bldg Addition pmt 3
Amount:	UL20190402jgv1 \$242,920.58
Component Description:	Donleys 1105-04 v191003pmv1
Amount:	\$36,684.41

	Component Description:	Donleys inv #1105- 01 TX Bldg Addition UL20181106jgv1 \$119,311.20
	Component Description:	Vocon inv #265447 Design Devel
	Amount:	UL20181026jg v1 \$5,476.41
Other Electrical Service: Additional electrical services required for transmitter installation, including heat exchangers, transformers, cooling	Component Description: Amount:	Die 594036 v200116pmv1 \$500.00
pumps, etc.	Component Description:	Vocon inv #267251 Tech Eng Srvcs UL20190222jgv1
	Amount:	\$14,190.00
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Transformer 3 phase/480v - 300 KVA	Component Description: Amount:	Gates US0326478 v200524jgv2 \$5,737.20
	Component Description:	Inv JW30004450-1 WKYC TX Electrical 1 3rd dp
	Amount:	UL20180713jg v1 \$3,824.80
	Component Description:	Gates inv #JW30004450-1A TX Electrical 1 6th
	Amount:	dp UL20190214jgv1 \$1,912.39

UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	Component Description: Amount:	Gates US0326478 v200524jgv2 \$704,210.94
		Inv JW30004450-1
	Component Description:	WKYC Transmitter
		1 3rd dp
		UL20180713jg v1
	Amount:	\$469,473.96
	Component Description:	Gates inv
		#JW30004450-1A
		Transmitter 1 6th dp
		UL20190214jgv1
	Amount:	\$234,736.97
	Component Description	Cotos 1150226479
	Component Description:	Gates US0326478 v191003pmv1
	Amount:	\$97,735.34
		<i>••••</i> , <i>•••••</i>

### Antennas

### Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna TFU-20EBT /VP -R 4C150	\$344,380.00	\$327,033.74		\$295,233.74	
Structural Study	\$4,050.00	\$4,050.00	See attached / uploaded PDF file titled, "v200608pmv1"	\$4,050.00	N/A
Shipping	\$6,800.00	\$6,800.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$21,113.74	See attached invoices & quotes	\$21,113.74	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
UHF - High Power Top Mount (200- 1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$263,670.00	N/A	\$263,670.00	N/A

New Top Plate	\$25,000.00	\$25,000.00	Existing top- plate and/or bolt pattern may not work for new top- mount antenna	N/A	N/A
Auxiliary Antenna TFU-24WB- R C160	\$216,598.34	\$214,158.34		\$164,128.34	
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
Shipping	\$7,278.34	\$7,278.34	See attached invoices	\$7,278.34	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$13,000.00	N/A	\$0.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A

UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 930 kW input, directional,, horizontally polarized	\$160,480.00	\$160,480.00	N/A	\$150,450.00	N/A
Sub-total	\$560,978.34	\$541,192.08	N/A	\$459,362.08	N/A
Total for all systems	\$5,571,734.71	\$5,186,194.70	N/A	\$4,375,838.26	N/A

Actual Information Description	File Name	
Structural Study		
	Component Description: Amount:	Die 611026 v200608pmv1 \$4,050.00
Shipping	Information not provided.	

Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description:	Die inv #MAN0114 Elbow complex 45 pct pmt 2
	Amount:	UL20190418jgv1 \$4,633.87
	Component Description:	Die inv #MAN0084 Elbow complex 45 pct pmt 1
	Amount:	UL20190412jgv3 \$4,633.87
	Component Description:	Die inv #MAN0084 Elbow complex 45 pct pmt 1
	Amount:	UL20190123jgv1 \$4,633.87
	Component Description:	Die 495002
	Amount:	v190716pmv1 \$1,029.75
	Component Description:	Die 543010
	Amount:	v190808pmv1 \$10,816.25

New Top Plate	Information not provided.	
	Amount:	\$118,651.50
	Component Description:	Die inv #MAN0084 Primary ant 45 pct pmt 1 UL20190412jgv3
	Amount:	UL20190418jgv1 \$118,651.50
	Component Description:	Die inv #MAN0114 Primary ant 45 pct pmt 2
elliptically or circularly polarized	Amount:	\$26,367.00
UHF - High Power Top Mount (200-1000 kW), One station antenna ,	Component Description:	Die 518008 v200408pmv1
	Amount:	\$640.00
	Component Description:	Die 613023 v200408pmv1
	Amount:	UL20190412jgv3 \$2,880.00
	Component Description:	Die inv #MAN0084 Sweep 45 pct pmt
	Amount:	UL20190123jgv1 \$2,880.00
	Component Description:	Die inv #MAN0084 Sweep 45 pct pmt
	Amount:	\$2,880.00
		Sweep 45 pct pmt 2 UL20190418jgv1

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
Shipping	Component Description:	Die inv #464003 Freight for Sales Order 1696505 UL20190418jgv1
	Amount:	\$938.34
	Component Description: Amount:	Die 389007 v190716pmv1 \$6,340.00
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.	
Sweep test of existing antenna	Component Description:	Die inv #MAN00841 Aux sweep 45 pct pmt 1
	Amount:	UL20190124jgv1 \$2,880.00
	Component Description: Amount:	Die 543020 v190723pmv1 \$640.00
	Component Description:	Die inv #MAN00880 Aux sweep 45 pct
	Amount:	pmt 2 UL20180706jgv1 \$2,880.00

Component Description:	Die inv #MAN00841 Aux TX ant 45 pct pmt 1 UL20190124jgv1
Amount:	\$67,702.50
Component Description:	Die inv #MAN00880
	Aux TX ant 45 pct
	pmt 2 UL20180706jgv1
Amount:	\$67,702.50
Component Description:	Die 373001
	v190716pmv1
Amount:	\$15,045.00
	Amount: Component Description: Amount: Component Description:

### **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 Justificatio
Primary Transmission Line	\$242,740.00	\$195,331.45		\$187,146.28	
TX Line Sweep	\$6,400.00	\$6,400.00	N/A	N/A	N/A
Rigid Transmission Line - copper, 6 1/8"	\$236,340.00	\$188,931.45	Dielectric's transmission line prices increased. See attached / uploaded PDF file titled, "Warmus 18024 v200408pmv1"	\$187,146.28	N/A
Auxiliary Transmission Line	\$183,150.00	\$184,017.09		\$162,093.40	
Rigid Transmission Line - copper, 6 1/8"	\$176,750.00	\$177,617.09	Dielectric's transmission line prices increased.	\$162,093.40	N/A
TX Line Sweep	\$6,400.00	\$6,400.00	N/A	N/A	N/A
Sub-total	\$425,890.00	\$379,348.54	N/A	\$349,239.68	N/A
Total for all systems	\$5,571,734.71	\$5,186,194.70	N/A	\$4,375,838.26	N/A

Actual Information Description	File Name
TX Line Sweep	Information not provided.

Rigid Transmission Line - copper, 6 1/8"	Component Description: Amount:	Warmus 18024 v200520pmv2 \$18,108.55
	Component Description: Amount:	Die 588023 v191004pmv1 \$15,427.50
	Component Description: Amount:	Die 601012 v200408pmv1 (\$2,455.00)
	Component Description:	Die inv #444012 Cut TX line pc freight UL20190328jgv1
	Amount:	\$828.32
	Component Description: Amount:	Die 495002 v190716pmv1 \$15,523.69
	Component Description: Amount:	Die inv #MAN00845 Main line 45 pct pmt 1 UL20190123jgv1 \$69,856.61
	Component Description: Amount:	Die inv #MAN00845 Main line 45 pct pmt 1 UL20190412jgv3 \$69,856.61
	Component Description:	Die inv #MAN01146 Main line 45 pct pmt 2 UL20190418jgv1
	Amount:	\$69,856.61

Component Description:	Die inv #MAN00880
	Aux line 45 pct pmt
	2 UL20180706jgv1
Amount:	\$72,942.03
Component Description:	Die 373001
	v190716pmv1
Amount:	\$16,209.34
Component Description:	Die inv #MAN00841
	Aux line 45 pct pmt
	1 UL20190124jgv1
Amount:	\$72,942.03
Information not provided.	
	Amount: Component Description: Amount:

# **Tower Equipment and Rigging Costs**

#### Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificatio
Primary Tower TOWER	\$868,300.00	\$947,533.45		\$806,684.45	
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$25,000.00	N/A	N/A	N/A
Major tower reinforcement /modifications	\$421,000.00	\$522,533.45	See attached invoice and quotes; See attached / uploaded PDF file titled, "Warmus 18087 v200408pmv1"	\$522,533.45	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$400,000.00	N/A	\$284,151.00	N/A
Sub-total	\$868,300.00	\$947,533.45	N/A	\$806,684.45	N/A
Total for all systems	\$5,571,734.71	\$5,186,194.70	N/A	\$4,375,838.26	N/A

Actual Information Description	File Name	
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.	
Major tower reinforcement /modifications	Component Description: Amount:	Warmus 17975 v190930jgv3 \$233,792.45
	Component Description: Amount:	Warmus 18087 v200508pmv2 \$4,590.00
	Component Description: Amount:	Deep South 9210 v200116pmv1 \$284,151.00
	Component Description: Amount:	Warmus 17975 v190514jgv1 \$233,792.45
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Component Description: Amount:	Deep South 8961 v200207jgv2 \$284,151.00
	Component Description: Amount:	Deep South 8961 v200207jgv1 \$142,075.50

# **Outside Professional Services**

### Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual ( Justifica
Outside Professional Services	\$515,038.55	\$523,801.55		\$129,946.69	
Pre filing site review	\$20,000.00	\$20,000.00	N/A	N/A	N/A
Other Legal Services	\$10,000.00	\$10,000.00	Other Legal Services related to the DTV Repack	\$424.09	N/A
Installation Services	\$95,293.55	\$95,293.55	N/A	N/A	N/A
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	\$550.00	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	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

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 - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$675.00	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N/A

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	N/A	N/#
Prepare and or review reimbursement form	\$2,630.00	\$27,808.00	The Estimate Cost includes Form 399 submissions including ongoing Actual Cost invoice prep and submission, and amendments as needed.	\$27,808.00	N/J
Project management of the transition	\$158,000.00	\$150,000.00	It will be necessary to schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399s. Station does not have available personnel or personnel trained in project management for such complex projects.	\$69,539.60	N//
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	N/A	N/J

Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	
Other Engineering Services	\$27,950.00	\$27,950.00	The Estimated Cost includes other engineering services such as RF calculations, evolving transition plan calculations, bid spec prep / distribution / award recommendation / etc and discussion, etc.	\$27,950.00	
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	\$3,000.00	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	

Total for all	\$5,571,734.71	\$5,186,194.70	N/A	\$4,375,838.26	N/A
Sub-total	\$515,038.55	\$523,801.55	N/A	\$129,946.69	N/A
	\$E4E 020 EE	¢522.004.55	survey the site, plan the equipment, develop specifications for purchasing, & oversee multiple vendor RF projects. Station does not have available personnel trained in such services.	\$120.046.60	
Additional Field Engineering Service, 20 Days	\$50,000.00	\$50,000.00	\$2,500 per site visit including expenses x 20 days. It is necessary to	N/A	N/A

Actual Information Description	File Name
Pre filing site review	Information not provided.

Other Legal Services		
	Component Description:	Covington
		60805585
		v190513pmv1
	Amount:	\$34.53
	Component Description:	Covington
		60801029 v190712jgv2
	Amount:	\$144.71
	Component Description:	Covington
		60801029
	A	v190513pmv1
	Amount:	\$164.44
	Component Descriptions	Covinstan
	Component Description:	Covington 60801032
		v190530jgv2
	Amount:	\$70.43
	Component Description:	Covington inv
		#60796723 Various
		Legal
	A	UL20181024jgv1
	Amount:	\$174.42
	Component Description:	Covington
	component Description:	60801032
		v190715jgv2
	Amount:	\$70.43
	Component Description:	Covington
		60801032
	Amount:	v190510pmv1 \$77.00
	Anount	φ <i>ι ι</i> .υυ
Installation Services	Information not provided.	

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	Component Description: Amount:	Osborn 35004 v200513jgv1 \$550.00
ASR modification (prepare FCC Form 854)	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	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.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	Osborn 35813 v200721pmv1 \$675.00
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.	

Perform engineering study for new channel assignment and antenna development	Information not provided.	
Prepare and or review reimbursement form	Component Description:	Osborn 39990 v210107jgv2
	Amount:	\$1,400.00
	Component Description:	Osborn 42161
	Amount:	v210407pmv1 \$275.00
	Component Description:	Osborn 38974
	Amount:	v200721pmv1 \$2,285.00
	Component Description:	Osborn 37926
	Amount:	v210407pmv1 \$2,225.00
	Component Description:	Osborn 32833
	Amount:	v190613pmv1 \$1,300.00
	Component Description:	Osborn 40953
	Amount:	v201218pmv1 \$50.00
	Component Description:	Osborn 37431
	Amount:	v210407pmv1 \$1,845.00
	Component Description:	Osborn 41439
	Amount:	v210407pmv1 \$60.00

Component Description: Amount:	Osborn 35813 v200721pmv1 \$745.00
Component Description: Amount:	Osborn 31135 v200330jgv1 \$675.00
Component Description: Amount:	Osborn 38611 v200720pmv1 \$1,175.00
Component Description: Amount:	Osborn 33858 v200408jgv2 \$1,475.00
Component Description: Amount:	Osborn 39379 v201116pmv1 \$2,400.00
Component Description: Amount:	Osborn 34584 v190808jgv1 \$1,388.00
Component Description: Amount:	Osborn 30007 v200326jgv1 \$1,235.00
Component Description: Amount:	Osborn 38316 v200724pmv1 \$290.00
Component Description: Amount:	Osborn 36541 v200326jgv1 \$2,275.00

Component Description: Amount:	Osborn 35004 v200513jgv1 \$1,205.00
Component Description: Amount:	Osborn 35399 v200721pmv1 \$1,315.00
Component Description: Amount:	Osborn 40650 v201218pmv1 \$200.00
Component Description: Amount:	Osborn 41735 v210407pmv1 \$390.00
Component Description: Amount:	Osborn 40287 v201218pmv1 \$105.00
Component Description: Amount:	Osborn 36190 v200924jgv2 \$905.00
Component Description: Amount:	Osborn 32204 v200330jgv1 \$1,600.00
Component Description: Amount:	Osborn 39674 v201218pmv1 \$695.00
Component Description: Amount:	Osborn 37031 v210407pmv1 \$295.00

Component Description: Amount:	Osborn inv #28997 Proj Mgt March 31, 2018 - April 27, 2018 UL20190212jgv1 \$6,725.00
Component Description: Amount:	Osborn inv #28588 Proj Mgt thru March 30, 2018 UL20180815jgv1 \$975.00
Component Description: Amount:	Osborn 42161 v210407pmv1 \$79.00
Component Description: Amount:	Osborn 40953 v201218pmv1 \$237.00
Component Description: Amount:	Osborn 41439 v210407pmv1 \$316.00
Component Description: Amount:	Osborn 41735 v210407pmv1 \$316.00
Component Description: Amount:	Osborn 40287 v201218pmv1 \$316.00
Component Description: Amount:	Osborn 34594 v190808jgv1 \$3,075.00

Component Description: Amount:	Osborn 31792 v200326jgv1 \$93.20
Component Description: Amount:	Osborn 30486 v200408jgv2 \$2,235.00
Component Description: Amount:	Osborn 31135 v200330jgv1 \$300.00
Component Description: Amount:	Osborn 33858 v200408jgv2 \$150.00
Component Description: Amount:	Osborn 33858 v200408jgv2 \$7,492.50
Component Description: Amount:	Osborn 35004 v200513jgv1 \$300.00
Component Description: Amount:	Inv 29214 WKYC Proj Mgt 180428- 180525 UL20180706jg v1 \$4,350.00
Component Description: Amount:	Osborn 30007 v200326jgv1 \$4,035.00
Component Description: Amount:	Osborn 33668 v190618pmv1 \$300.00

Component Description: Amount:	Osborn 35399 v200721pmv1 \$359.48
Component Description: Amount:	Osborn 34124 v200326jgv1 \$15,112.50
Component Description: Amount:	Osborn 32204 v200330jgv1 \$300.00
Component Description:	Osborn inv #26015 Prof srvcs 170530 - 170728 UL20181107jg v1
Amount:	\$14,548.92
Component Description: Amount:	Osborn inv #29833 Prof srvcs 180526 - 180629 UL20190207jgv1 \$7,842.50
Component Description: Amount:	Osborn 40650 v201218pmv1 \$79.00
Component Description: Amount:	Osborn 36190 v200924jgv2 \$10,965.00
Component Description: Amount:	Osborn 39674 v201218pmv1 \$208.00

	Component Description: Amount:	Osborn 39379 v201116pmv1 \$3,468.00
	Component Description: Amount:	Osborn 39990 v210107jgv2 \$474.00
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.	
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Other Engineering Services		
	Component Description:	MSW 7315
	Amount:	v210319jgv1 \$15,370.00
	Component Description:	Osborn 35813 v200721pmv1
	Amount:	\$9,947.50
	Component Description:	Osborn 38611
	Amount:	v200720pmv1 \$577.50
	Component Description:	Osborn 37031
	Amount:	v210407pmv1 \$2,055.00

Prepare request for Special Temporary Authorization	Component Description: Amount:	Osborn 34584 v190808jgv1 \$3,000.00
	Component Description: Amount:	Osborn 34584 v190808jgv1 \$3,000.00
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
RF Exposure Measurements	Information not provided.	
Additional Field Engineering Service, 20 Days	Information not provided.	

# **Other Expenses**

# Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$186,729.06	\$184,724.06		\$57,794.62	
Viewer call assistance service	\$18,278.06	\$18,278.06	N/A	\$18,278.06	N/A
MVPD Notification of Channel Change	\$6,000.00	\$6,000.00	to notify all MVPD's op up coming testing and transition plans for the market.	\$1,935.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$3,750.00	N/A
AM Pattern Disturbance Remedy	\$21,050.00	\$20,000.00	N/A	N/A	N/A
AM Pattern Disturbance Impact study	\$7,890.00	\$7,500.00	N/A	N/A	N/A
Internal labor	\$24,231.00	\$24,231.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A

Local Zoning	\$1,200.00	\$1,200.00	Local construction permit.	N/A	N/A
Non-zoning permits	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$25,000.00	\$25,000.00	N/A	\$2,195.40	N/A
Equipment Delivery and Handling Charges	\$25,000.00	\$25,000.00	N/A	\$18,946.75	N/A
Equipment Storage	\$15,000.00	\$15,000.00	2 flat bed trailers for 6 Months to store equipment.	\$9,419.41	N/A
Develop and air announcement of upcoming channel change	\$6,000.00	\$6,000.00	To create informational spot to notify public of the upcoming change.	\$3,270.00	N/A
Sub-total	\$186,729.06	\$184,724.06	N/A	\$57,794.62	N/A
Total for all systems	\$5,571,734.71	\$5,186,194.70	N/A	\$4,375,838.26	N/A

Actual Information Description	File Name	
Viewer call assistance service	Component Description: Amount:	Inktel 33905 v191018pmv1 \$18,278.06

MVPD Notification of Channel Change	Component Description: Amount:	Osborn 33858 v200408jgv2 \$1,935.00
DTV Medical Facility Notification	Component Description: Amount:	RF Notifs 1152 v200116pmv1 \$3,750.00
AM Pattern Disturbance Remedy	Information not provided.	
AM Pattern Disturbance Impact study	Information not provided.	
Internal labor	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
Local Zoning	Information not provided.	
Non-zoning permits	Information not provided.	

Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description:	Republic 0224- 008348412
	Amount:	v210609pmv1 \$439.52
	Component Description:	Republic 0224- 008299077 v210609pmv1 \$442.05
	Amount.	ψττ2.00
	Component Description:	Republic 0224- 008410402 v200129pmv1
	Amount:	\$1,313.83
Equipment Delivery and Handling Charges		
	Component Description:	Digikey 61383132 v200420pmv1
	Amount:	\$9.71
	Component Description:	Die 573033
		v191003pmv1
	Amount:	\$3,105.00
	Component Description:	Die 588023
	Amount:	v191004pmv1 \$616.62
	Component Description:	Die 610029
	Amount:	v200116pmv1 \$4,538.57
	Component Description:	Die 547016
		v191003pmv1
		VIBIOOSPIIIVI

	Component Description: Amount:	Die 601012 v200408pmv1 \$4,518.60
	Component Description: Amount:	United 170006813- 001 v200508pmv2 \$929.96
	Component Description: Amount:	Die 597045 v200408pmv1 \$368.69
	Component Description: Amount:	Die 597016 v200408pmv1 \$1,450.58
	Component Description: Amount:	Warmus 18024 v200408pmv1 N/A
Equipment Storage	Component Description: Amount:	PMF 267186 v190614jgv1 \$97.20
	Component Description: Amount:	PMF 278146 v190612jgv1 \$367.20
	Component Description: Amount:	PMF 278701 v190618jgv1 \$448.55
	Component Description: Amount:	Sergius WKYC- 190729 v200408pmv1 \$2,000.00

	Component Description: Amount:	PMF 269251 v190510jgv1 \$367.20
	Component Description: Amount:	PMF 266815 v190614jgv1 \$1,881.66
	Component Description: Amount:	PMF 289363 v191211jgv1 \$464.40
	Component Description: Amount:	PMF 286437 v190905pmv1 \$464.40
	Component Description: Amount:	PMF 280793 v191003pmv1 \$464.40
	Component Description: Amount:	PMF 283422 v190808jgv1 \$464.40
	Component Description: Amount:	Die 614007 v200116pmv1 \$2,400.00
Develop and air announcement of upcoming channel change	Component Description:	2C Media inv #203806 Creation of channel change announcement
	Amount:	UL20181016jgv1 \$3,270.00

Cost	Grand Total			
Information		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$5,571,734.71	\$5,186,194.70	\$4,375,838.26

Reimbursem	entestiatus	Response
	The facility has ceased operating on its pre- auction channel.	Yes
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
		<ol> <li>The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> </ol>	
		2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	
		<b>3.</b> 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.	Jeffrey C Gehman Engineering Associate 06/09/2021

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

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

	<ul> <li>B. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</li> <li>D. 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.</li> </ul>	
an a nam	clare, under penalty of perjury, that I am authorized representative of the above- ed applicant for the Authorization(s) cified above.	Jeffrey C Gehman Engineering Associate
		06/09/2021

### Attachments