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: **17611** | Service: **DTV** | Call Sign: **WSRE** | Channel: **24 (UHF)**

File Number: **0000028481**

FRN: **0004573473** | Date Submitted: **01/08/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
THE DISTRICT BOARD OF TRUSTEES, PENSACOLA STATE COLLEGE, FL. Doing Business As: THE DISTRICT BOARD OF TRUSTEES, PENSACOLA STATE COLLEGE, FL.	Darrel Harrison 1000 COLLEGE BLVD PENSACOLA, FL 32504 United States	+1 (850) 484-1285	dharrison@wsre.org	Government Entity

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
William T Godfrey , Jr. . *Consulting Engineers Kessler and Gehman Associates, Inc.*	William T. Godfrey, Jr. Kessler and Gehman Associates, Inc. 507 NW 60 Street, Suite D Gainesville, FL 32607 United States	+1 (352) 332-3157	bill@kesslerandgehman.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	Replace transmitter and antenna. Purchase new interim antenna and transmission line for continued operation during construction and duration of the assigned phase. Map and analyze tower; design and implement modifications if required. See attached.

Transmitters

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

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	Diamond
	Year	2001
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	20.1 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	U20
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	34 kW
	Justification for New Transmitter	The manufacturer of the existing transmitter advises that the transmitter cannot be re-tuned to the assigned channel. New air cooled transmitters are not available at this power level. See attachment

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	Yes

	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	100.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Heating and Cooling
	Size	5 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Standby Exciter and Switch	Standby Exciter with Automatic Change Over Switch
Electrical	Electrical
Electrical Design	Electrical Design

Additional Interior RF System	Interior RF System Existing Transmitter to Interim Transmission Line

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	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW

Manufacturer	
Model	ATW-22H4-HTC5-31H
Year	2007

Primary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top 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)	859.0 kW
	Manufacturer	
	Model	ATW17H4-ETC5-24H

Year	2018
Justification for New Antenna	The existing primary antenna is a single channel slotted coaxial which cannot accommodate the assigned channel.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	8 3/16 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 Antenna

Other Antenna Cost Not Listed

Information not provided.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW
	Manufacturer	
	Model	ETU8U4-HSP1C-24/31

Year	2018
Justification for New Antenna	An interim antenna is necessary to keep station on the air during primary antenna replacement and for the duration of the assigned phase.

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?	S
	Feed Line Size	8 3/16 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?	Yes
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	Andrew
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	2150 feet per run

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Sweep Tests	Sweep tests to establish performance of line on assigned channel.
Purchase New Complete Line	Purchase New Complete Line

Interim Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	8 3/16 inches
	Segment Length	20'
	Other Segment Length	
	Number of parallel runs	1
	Length	2000 feet per run

	Justification for New Transmission Line	An interim transmission line is necessary for the interim antenna to keep station on the air during primary antenna replacement and for the duration of the assigned phase. Interim antenna will be mounted 150 ft below 2000 ft AGL candelabra.

Interim Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Sweep Test	Required for proof

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Candelabra
	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	Yes
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1064671
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	30° 36' 41.0" N-
	Longitude (NAD83)	087° 36' 26.4" W-
	Overall Structure Height	1894.01 feet
	Support Structure Height	1804.44 feet
	Ground Elevation Above Mean Sea Level (AMSL)	105.97 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	SpectraSite Communications, LLC. through American Towers, LLC.
Date Constructed	04/06/2001

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
83740	WDPM-DT	DTV
32946	WXBM-FM	FM
11906	WPMI-TV	DTV
60827	WMPV-TV	DTV
73256	WMEZ	FM
63431	WHFX	FM
61243	WTKX-FM	FM

Other Types of Users

Users
6 mwave license

Primary Tower

Tower Modification Costs

Section	Question	Response

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

Primary Tower

Tower Rigging Costs

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

Primary 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	1000
	Explanation	To schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399. Station does not have available personnel or personnel trained in project management for such complex projects. Includes 95 hours for American Tower.
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	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	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	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	Yes
Additional Field Engineering Service	Yes
Number of Days	30
Justification	It will be necessary to survey the site, plan the equipment, develop specifications for purchasing, and oversee multiple vendor RF projects. Station does not have available personnel or personnel trained in such services.

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Other Engineering Services	Other Engineering Services

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	No
	FCC Special Temporary Authority Application	No
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	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

Name	Description
Additional Legal Fees	Additional legal fees due to coordinating multiple site user repack for University station.
Required Progress Reports	FCC required progress reports

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	Actua Justif
Primary Transmitter U20	**$1,138,143.00**	**$1,133,993.00**		**$688,297.40**	
Additional Interior RF System	***$140,000.00***	$140,000.00	N/A	N/A	N
Electrical Design	***$7,000.00***	$7,000.00	N/A	$6,300.00	N
Electrical	***$48,321.00***	$48,321.00	See attached /uploaded file named Bill Smith Electric quote.pdf	N/A	N
Standby Exciter and Switch	***$25,000.00***	$25,000.00	N/A	N/A	N
Other -- HVAC Service Type: H Size:5 (Other)	***$10,000.00***	$10,000.00	N/A	N/A	N
3" Rigid Conduit and Wiring (Cost per foot)	$5,200.00	$4,900.00	N/A	N/A	N

UHF - Liquid Cooled Solid State Transmitter 34 kW	***$824,472.00***	$824,472.00	The $824,472 Estimated Cost is directly from the attached Comark proposal P#3916PRLXU20UPG-011719 and is for an Upgrade transmitter model. Proposal P#3916PRLXU14-011719 is for the fully reimbursable Baseline transmitter model.	$681,997.40	N
Service entrance 3 phase/800 amp/208 volt	$14,400.00	$13,700.00	N/A	N/A	N
Switchgear - industrial 800 amp	$38,200.00	$36,300.00	N/A	N/A	N
Transformer 3 phase /480v - 150 KVA	$25,550.00	$24,300.00	N/A	N/A	N
Sub-total	$1,138,143.00	$1,133,993.00	N/A	$688,297.40	N
Total for all systems	$3,978,554.40	$3,779,951.90	N/A	$2,180,553.19	N

Components

Actual Information Description	File Name
Additional Interior RF System	Information not provided.
Electrical Design	**Component Description:** HG 1950-1 Elec constr docs v190801jgv1 **Amount:** $6,300.00
Electrical	Information not provided.

Standby Exciter and Switch	Information not provided.
Other -- HVAC Service Type: H Size:5 (Other)	Information not provided.
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 34 kW	**Component Description:** Comark S10404-1 v190703jgv1 **Amount:** $358,946.00 **Component Description:** Comark S10404-2 v190827jgv1 **Amount:** $323,051.40
Service entrance 3 phase /800 amp/208 volt	Information not provided.
Switchgear - industrial 800 amp	Information not provided.
Transformer 3 phase/480v - 150 KVA	Information not provided.

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 ETU8U4-HSP1C-24 /31	**$125,199.65**	**$122,709.65**		**$74,809.65**	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	$5,260.00	$5,000.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	$23,150.00	$22,000.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	$15,250.00	$14,500.00	N/A	N/A	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	N/A	N/A

UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, horizontally polarized	***$74,809.65***	$74,809.65	See uploaded /attached ERI Bid and Invoice WSRE-37337	$74,809.65	N/A
Primary Antenna ATW17H4-ETC5-24H	**$558,480.00**	**$224,778.50**		**$135,419.00**	
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	N/A	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	$289,500.00	$135,419.00	N/A	$135,419.00	N/A
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	$15,250.00	$15,250.00	N/A	N/A	N/A

UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	$247,000.00	$67,709.50	***System Notice: Estimate adjusted and locked because line has been superseded. ***See uploaded /attached ERI Bid and Invoice WSRE-200	$0.00	N/A
Sub-total	$683,679.65	$347,488.15	N/A	$210,228.65	N/A
Total for all systems	$3,978,554.40	$3,779,951.90	N/A	$2,180,553.19	N/A

Components

Actual Information Description	File Name
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	Information not provided.
Sweep test of existing antenna	Information not provided.

UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, horizontally polarized	**Component Description:** **Amount:** **Component Description:** **Amount:**	ERI WSRE-200 Int ant 50 pct pmt 1 v190722jgv2 $59,487.50 ERI WSRE-37337 Int ant pmt 2 v191031jgv1 $15,322.15
Sweep test of existing antenna	Information not provided.	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	**Component Description:** **Amount:** **Component Description:** **Amount:**	ERI WSRE-200 Prim ant 50 pct pmt 1 v190722jgv2 $67,709.50 ERI WSRE-37337 Prim ant 50 pct pmt 2 v191031jgv1 $67,709.50
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	Information not provided.	
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	**Component Description:** **Amount:**	ERI WSRE-200 Prim ant 50 pct pmt 1 v190722jgv2 $67,709.50

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	**$700,400.00**	**$504,943.00**		**$498,543.00**	
Rigid Transmission Line - copper, 8 3 /16"	$694,000.00	$498,543.00	See uploaded /attached ERI Bid and Invoice WSRE-200	$498,543.00	N/A
Sweep Test	***$6,400.00***	$6,400.00	N/A	N/A	N/A
Primary Transmission Line	**$68,793.75**	**$68,793.75**		**$62,393.75**	
Sweep Tests	***$6,400.00***	$6,400.00	N/A	N/A	N/A
Purchase New Complete Line	***$62,393.75***	$62,393.75	See uploaded /attached ERI Bid and Invoice WSRE-37337	$62,393.75	N/A
Sub-total	$769,193.75	$573,736.75	N/A	$560,936.75	N/A
Total for all systems	$3,978,554.40	$3,779,951.90	N/A	$2,180,553.19	N/A

Components

Actual Information Description	File Name

Rigid Transmission Line - copper, 8 3/16"	**Component Description:** **Amount:** **Component Description:** **Amount:**	ERI WSRE-200 Int line 50 pct pmt 1 v190722jgv2 $249,271.50 ERI WSRE-37337 Int line pmt 2 v191031jgv1 $249,271.50
Sweep Test	Information not provided.	
Sweep Tests	Information not provided.	
Purchase New Complete Line	**Component Description:** **Amount:** **Component Description:** **Amount:**	ERI WSRE-200 Prim line 50 pct pmt 1 v190722jgv2 $36,797.50 ERI WSRE-37337 Prim line pmt 2 v191031jgv1 $25,596.25

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 GTOWER	**$868,300.00**	**$1,188,176.00**		**$663,638.40**	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	$421,000.00	$737,376.00	This is a complex candelabra tower. See uploaded /attached ERI Bid and Invoice WSRE-200	$663,638.40	N/A
Major tower reinforcement /modifications	$421,000.00	$438,400.00	American Tower provided a proposal to lease tower space for 15 months to accommodate WSRE Interim Antenna (Temporary antenna). See agreement "WSRE ATC Lease for Temporary Antenna.pdf" attached.	N/A	N/A

Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	$26,300.00	$12,400.00	Based on American Tower expenses spreadsheet	N/A	N/A
Sub-total	$868,300.00	$1,188,176.00	N/A	$663,638.40	N/A
Total for all systems	$3,978,554.40	$3,779,951.90	N/A	$2,180,553.19	N/A

Components

Actual Information Description	File Name	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	**Component Description:** **Amount:** **Component Description:** **Amount:**	ERI WSRE-200 Ant install 50 pct pmt 1 v190722jgv2 $368,688.00 ERI WSRE-37337 Ant install 40 pct pmt 2 v191031jgv1 $294,950.40
Major tower reinforcement /modifications	Information not provided.	
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.	

Cost Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual C Justifica
Outside Professional Services	**$383,238.00**	**$401,108.00**		**$44,465.50**	
Other Engineering Services	***$20,858.00***	$20,858.00	Cost estimate for other engineering services such as RF calculations, evolving transition plan calculations, bid spec prep / distribution / award recommendation / etc and discussion, etc.	$20,858.00	N/A
Additional Field Engineering Service, 30 Days	***$60,000.00***	$60,000.00	N/A	N/A	N/A
RF Exposure Measurements	$21,050.00	$20,000.00	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	N/A	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	$3,680.00	$3,500.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	$4,210.00	$25,000.00	The station's legal representative recommends $25,000 to cover this effort.	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 - Prepare and File FCC Form 2100 (main), Construction Permit Application	$5,260.00	$5,000.00	N/A	N/A	N/A
Project management of the transition	$158,000.00	$150,000.00	N/A	$1,500.00	N/A

Prepare and or review reimbursement form	$2,630.00	$15,000.00	The cost estimate includes the initial 399 amendment, anticipated subsequent 399 amendments, and Actual Cost invoice prep and submission by KGA.	$10,607.50	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	$6,000.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$3,000.00	N/A	$2,500.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	$1,580.00	$1,500.00	N/A	$1,500.00	N/A
Prepare request for Special Temporary Authorization	$2,050.00	$1,500.00	N/A	$1,500.00	N/A

Sub-total	$383,238.00	$401,108.00	N/A	$44,465.50	N/A
Total for all systems	$3,978,554.40	$3,779,951.90	N/A	$2,180,553.19	N/A

Components

Actual Information Description	File Name
Other Engineering Services	**Component Description:** KGA 359-42 v191216jgv1 **Amount:** $625.00 **Component Description:** KGA 359-36 v191216jgv1 **Amount:** $1,000.00 **Component Description:** KGA 359-31 v191216jgv1 **Amount:** $600.00 **Component Description:** KGA 359-23 v191223jgv1 **Amount:** $795.00 **Component Description:** KGA 359-27 v191223jgv1 **Amount:** $225.00 **Component Description:** KGA 359-07 v191223jgv1 **Amount:** $7,680.00 **Component Description:** KGA 359-21 v191223jgv1 **Amount:** $625.00

	Component Description: KGA 359-19 v191223jgv1 **Amount:** $625.00 **Component Description:** KGA 359-08 v191227jgv1 **Amount:** $2,800.00 **Component Description:** KGA 359-24 v191216jgv1 **Amount:** $5,883.00
Additional Field Engineering Service, 30 Days	Information not provided.
RF Exposure Measurements	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	Information not provided.
ASR modification (prepare FCC Form 854)	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.

Project management of the transition	**Component Description:** KGA 359-10 v191222jgv1 **Amount:** $150.00 **Component Description:** KGA 359-05 v191216jgv1 **Amount:** $300.00 **Component Description:** KGA 359-41 v191222jgv1 **Amount:** $150.00 **Component Description:** KGA 359-43 v191222jgv1 **Amount:** $150.00 **Component Description:** KGA 359-32 v191222jgv1 **Amount:** $150.00 **Component Description:** KGA 359-11 v191222jgv1 **Amount:** $150.00 **Component Description:** KGA 359-06 v191216jgv1 **Amount:** $225.00 **Component Description:** KGA 359-09 v191222jgv1 **Amount:** $225.00

Prepare and or review reimbursement form	**Component Description:** **Amount:**	KGA 359-22 v191222jgv1 $132.50
	Component Description: **Amount:**	KGA 959-32 v191216jgv1 $1,400.00
	Component Description: **Amount:**	KGA 359-40 v191222jgv1 $50.00
	Component Description: **Amount:**	KGA 359-03 v191216jgv1 $2,500.00
	Component Description: **Amount:**	KGA 359-37 v191216jgv1 $3,700.00
	Component Description: **Amount:**	KGA 359-38 v191216jgv1 $900.00
	Component Description: **Amount:**	KGA 359-44 v191216jgv1 $1,925.00
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:**	KGA 359-04 v191216jgv1 $6,000.00

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:**	KGA 359-04 v191216jgv1 $2,500.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	**Component Description:** **Amount:**	KGA 359-45 v191223jgv1 $1,500.00
Prepare request for Special Temporary Authorization	**Component Description:** **Amount:**	KGA 359-39 v191222jgv1 $1,500.00

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 Justificatior
Other Expenses	**$136,000.00**	**$135,450.00**		**$12,986.49**	
Required Progress Reports	***$5,000.00***	$5,000.00	Prepare and assist with FCC-required quarterly progress reports on FCC Form 387.	N/A	N/A
Additional Legal Fees	***$10,000.00***	$10,000.00	Additional legal fees for advise and consultation regarding repack at multiple tenant site for University public TV licensee.	$8,026.49	N/A
MVPD Notification of Channel Change	***$2,000.00***	$2,000.00	N/A	$1,635.00	N/A
Develop and air announcement of upcoming channel change	***$10,000.00***	$10,000.00	N/A	N/A	N/A
Equipment Storage	***$25,000.00***	$25,000.00	N/A	N/A	N/A

Equipment Delivery and Handling Charges	***$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	N/A	N/A
DTV Medical Facility Notification	$11,550.00	$11,000.00	N/A	$3,325.00	N/A
Local Zoning	***$7,000.00***	$7,000.00	N/A	N/A	N/A
Non-zoning permits	***$15,450.00***	$15,450.00	$5,450 for American Tower (tower owner) and $10,000 estimated for building modifications.	N/A	N/A
Sub-total	$136,000.00	$135,450.00	N/A	$12,986.49	N/A
Total for all systems	$3,978,554.40	$3,779,951.90	N/A	$2,180,553.19	N/A

Components

Actual Information Description	File Name
Required Progress Reports	Information not provided.
Additional Legal Fees	**Component Description:** GMP 31422 v191209jgv1 **Amount:** $1,195.99 **Component Description:** additional attorney fees **Amount:** $50.50

Component Description: additional attorney fees
Amount: $112.00

Component Description: additional attorney fees
Amount: $207.00

Component Description: GMP 31227 v191209jgv1
Amount: $703.50

Component Description: additional attorney fees
Amount: $50.50

Component Description: additional attorney fees
Amount: $50.50

Component Description: additional attorney fees
Amount: $50.50

Component Description: GMP 30653 v191209jgv1
Amount: $202.00

Component Description: GMP 26443 v191209jgv1
Amount: $2,465.00

Component Description: additional attorney fees
Amount: $151.50

Component Description:	additional attorney fees
Amount:	$39.00
Component Description:	additional attorney fees
Amount:	$50.50
Component Description:	additional attorney fees
Amount:	$50.50
Component Description:	GMP 31038 v191209jgv1
Amount:	$70.00
Component Description:	additional attorney fees
Amount:	$105.00
Component Description:	GMP 26245 v191209jgv1
Amount:	$296.00
Component Description:	additional attorney fees
Amount:	$276.50
Component Description:	GMP 31623 v191209jgv1
Amount:	$1,732.50
Component Description:	GMP 26625 v191209jgv1
Amount:	$167.50

MVPD Notification of Channel Change	**Component Description:** **Amount:**	KGA 359-33 v191216jgv1 $1,635.00
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.	
DTV Medical Facility Notification	**Component Description:** **Amount:**	KGA 359-34 v191216jgv1 $3,325.00
Local Zoning	Information not provided.	
Non-zoning permits	Information not provided.	

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$3,978,554.40	$3,779,951.90	$2,180,553.19

Reimbursement Status

Question	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.	
	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.	**Jeffrey C Gehman** *Engineering Associate* 01/08/2020

Attachments