

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

23948 Service: DTV Call Channel: 7 (High VHF) Facility **WGTV** Sign:

ID:

File 0000027682

Number:

FRN: 0001844976 Date 04/05

> Submitted: /2021

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
GEORGIA PUBLIC TELECOMMUNICATIONS COMMISSION	260 14TH ST NW ATLANTA, GA 30318 United States	+1 (404) 685- 2400	elaprade@gpb. org	Government Entity

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Robert Gehman ConsultingEngineer Kessler and Gehman Associates, Inc.	Robert Gehman 507 NW 60 Street Suite D Gainesville, FL 32607 United States	+1 (352) 332-3157	bob@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 Main & Standby antennas and Main and Standby transmitters; retain existing lines. Map and analyze sub-Rev. F tower; design and modify if necessary. Contract Outside Professional services for entire project. See attachment.

Transmitters

S 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	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Alternate Main
	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	PTCD 20P2 -1
	Year	2008
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	7 kW

Auxiliary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	MPTV-PRLX- V3
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	4.3 kW
	Justification for New Transmitter	Manufacturer cannot re-channel existing transmitter.

Auxiliary 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	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?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Auxiliary

Other Transmitter Cost Not Listed

Transmitter 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	
Manufacturer and Type	Model	PTCD 20P2-1
	Year	2008
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	7 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	MPTV-PRLX- V6
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	8.7 kW
	Justification for New Transmitter	Manufacturer cannot re-channel existing transmitter

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes

	Description	Disconnect existing transmitter and reconnect new transmitter in same location
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary
Transmitter Information not provided.

Other Transmitter Cost Not Listed

Antennas

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

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?	No
	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	Тор
	Polarization	Horizontal
	Туре	Other
	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	Travelling Wave
	ERP: (Effective Radiated Power)	21.0 kW

Manufacturer	
Model	TW-12B8-R SP
Year	2008

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	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Circular
	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)	21.0 kW
	Manufacturer	
	Model	JSM-11/7 TCO-V-R

Year	2018
Justification for New Antenna	Existing antenna is a stacked channel 8 travelling wave on top of an unused channel 12 batwing. The travelling wave will not accommodate channel 7 and the batwing gain is far too low to produce the assigned ERP with a reasonable

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?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A

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?	No

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?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	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)	10.0 kW
	Manufacturer	
	Model	JSM-4 /7SHO-V
	Year	2020

Justification for New Antenna	The station requires an Interim antenna in order to be
	able to
	remain on-
	the-air
	while the
	Main
	antenna is
	replaced.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	No
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?	No

Interim Antenna

Other Antenna Cost Not Listed

Information not provided.

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

Primary Transmission

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
	Туре	Rigid
	Diameter	4 1/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	650 feet per run

Primary Transmission

Other Transmission Line Expenses Not Listed

n <mark>Naime</mark>	Description	
Sweep	Sweep line to ensure performance on channel 7	

Auxiliary Transmissio

Add Transmission Line

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	ERI
	Туре	Flexible Ai
	Diameter	1 5/8 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	600 feet per run

Auxiliary Transmission

Other Transmission Line Expenses Not Listed

n Laine	Description
Sweep	Verify performance is acceptable on channel 7

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?	Terrain Constrained
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	No
	Others Types of Users	Yes
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	No
Existing Tower	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1018776
Coordinates (Latitude (NAD83)	33° 48′ 18.0″ N-
NAD83 (North American Datum	Longitude (NAD83)	084° 08' 40.0" W-
of 1983))	Overall Structure Height	403.54 feet
	Support Structure Height	312.00 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1628.59 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

Tower Owner	Georgia Public Telecommunications Commission
Date Constructed	09/01/1969

Other Types of Users

Users	
WSB microwave	
WTDR 2-way	

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	Terrain constrained
Helicopter Services Required	Are helicopter services required?	Yes

Primary Tower

Other Tower Expenses Not Listed

Name	Description	
Geotechnical Report	Geotechnical Report	

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	60
	Explanation	It will be necessary 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.
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	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	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	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	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	No
	RF exposure measurements	No
	Additional Field Engineering Service	Yes

Number of Days	20
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

Other Professional Services Expenses Not Listed

Services Costs	Description
Other Engineering Services	Engineering services not already included in a pre-established OPS section.
Other Legal Services	Legal services not already included in a pre- established OPS section.

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	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	No
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?	No
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses

Other Expenses Not Listed

Name	Description
System Design and Site Survey	System Design and Site Survey
Electrical Work	Electrical Work

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
Primary Transmitter MPTV-PRLX- V6	\$483,050.00	\$167,965.00		\$139,077.50	
Other Electrical Service: Disconnect existing transmitter and reconnect new transmitter in same location	\$10,000.00	\$10,000.00	N/A	\$5,412.50	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	N/A	N/A
High VHF - Liquid Cooled Solid State Transmitter 8.5 . 12.5 kW	\$447,500.00	\$133,665.00	N/A	\$133,665.00	N/A
Auxiliary Transmitter MPTV-PRLX- V3	\$318,450.00	\$199,165.00		\$133,665.00	
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,900.00	N/A	N/A	N/A

Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	N/A	N/A
High VHF - Liquid Cooled Solid State Transmitter 3.3 . 6.5 kW	\$249,500.00	\$133,665.00	N/A	\$133,665.00	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Sub-total	\$801,500.00	\$367,130.00	N/A	\$272,742.50	N/A
Total for all systems	\$2,523,436.00	\$2,063,953.00	N/A	\$1,192,794.00	N/A

Components

Actual Information Description	File Name	
Other Electrical Service: Disconnect existing transmitter and reconnect new transmitter in same location	Component Description: Amount:	NBP Eng 18186 v200320jgv2 \$5,412.50
Transformer 3 phase/480v - 150 KVA	Information not provided.	
High VHF - Liquid Cooled Solid State Transmitter 8.5 . 12.5 kW	Component Description: Amount:	Comark S10456-1 v190911jgv1 \$133,665.00
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Transformer 3 phase/480v - 150 KVA	Information not provided.	

High VHF - Liquid Cooled Solid State Transmitter 3.3 . 6.5 kW	Component Description: Amount:	Comark S10457-1 v190912jgv2 \$133,665.00
Switchgear - industrial 800 amp	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 JSM-4 /7SHO-V	\$68,040.00	\$68,040.00		\$68,040.00	
High VHF - High Power Side Mount One Station horizontally polarized	\$68,040.00	\$68,040.00	See attached / uploaded PDF file titled "Jampro 1 v210204jgv1. pdf"	\$68,040.00	N/A
Primary Antenna JSM-11/7 TCO-V-R	\$206,140.00	\$206,140.00		\$206,140.00	
High VHF - High Power Top Mount One Station elliptically or circularly polarized	\$206,140.00	\$206,140.00	See attached / uploaded PDF file titled "Jampro 1 v210204jgv1. pdf"	\$206,140.00	N/A
Sub-total	\$274,180.00	\$274,180.00	N/A	\$274,180.00	N/A
Total for all systems	\$2,523,436.00	\$2,063,953.00	N/A	\$1,192,794.00	N/A

Components

Actual Information		
Description	File Name	

High VHF - High Power Side Mount One Station horizontally polarized

Component Description:

Jampro 1a v210210jgv2 \$5,740.00

Amount:

Component Description:

Jampro 1a v210210jgv2

Amount:

\$11,480.00

Component Description:

Jampro 1a v210210jgv2

Amount:

\$34,440.00

Component Description:

Jampro 3a v210210jgv2

Amount:

\$2,870.00

Component Description:

Jampro 2a v210210jgv2

Amount:

\$2,870.00

Component Description:

Jampro 4a v210210jgv2

Amount:

\$10,640.00

High VHF - High Power Top Mount One Station elliptically or circularly polarized

Component Description:

Jampro 5a v210210jgv2

Amount:

\$9,775.00

Component Description:

Jampro 5a v210210jgv2

Amount:

\$10,640.00

Component Description:

Jampro 1a v210210jgv2

Amount:

\$17,595.00

Component Description: Jampro 3a

v210210jgv2

Amount: \$17,595.00

Component Description: Jampro 3a

v210210jgv2

Amount: \$9,775.00

Component Description: Jampro 3a

v210210jgv2

Amount: \$9,775.00

Component Description: Jampro 2a

v210210jgv2

Amount: \$9,775.00

Component Description: Jampro 2a

v210210jgv2

Amount: \$19,550.00

Component Description: Jampro 2a

v210210jgv2

Amount: \$17,595.00

Component Description: Jampro 5a

v210210jgv2

Amount: \$64,515.00

Component Description: Jampro 5a

v210210jgv2

Amount: \$19,550.00

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	\$6,400.00	\$6,400.00		\$0.00	
Sweep	\$6,400.00	\$6,400.00	N/A	N/A	N/A
Auxiliary Transmission Line	\$6,400.00	\$6,400.00		\$0.00	
Sweep	\$6,400.00	\$6,400.00	N/A	N/A	N/A
Sub-total	\$12,800.00	\$12,800.00	N/A	\$0.00	N/A
Total for all systems	\$2,523,436.00	\$2,063,953.00	N/A	\$1,192,794.00	N/A

Components

Information not provided.

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 Primary Tower TOWER	Predetermined Cost Estimate \$1,127,866.00	Estimated Cost \$1,089,980.00	Estimated Cost Justification	Actual Cost \$439,980.00	Actual Cost Justification
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	\$150,000.00	N/A
Tower Helicopter Lift	\$252,000.00	\$252,000.00	See attached / uploaded PDF file titled "Jampro 1 v210204jgv1. pdf"	\$252,000.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$400,000.00	N/A	N/A	N/A
Geotechnical Report	\$7,566.00	\$7,566.00	See attached / uploaded PDF file titled "TEP 442385 v200922jgv1. pdf"	\$7,566.00	N/A

Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$30,414.00	See attached / uploaded PDF file titled "TEP 442385 v200922jgv1. pdf"	\$30,414.00	N/A
Sub-total	\$1,127,866.00	\$1,089,980.00	N/A	\$439,980.00	N/A
Total for all systems	\$2,523,436.00	\$2,063,953.00	N/A	\$1,192,794.00	N/A

Components

Actual Information	
Description	File Name

Major tower reinforcement		
modifications	Component Description:	TEP 458574
		v201209jgv1
	Amount:	\$35,000.00
	Component Description:	TEP CI-472915
		v201209jgv1
	Amount:	\$95,000.00
	Component Description:	TEP 472916
		v201209jgv1
	Amount:	\$3,500.00
	Component Description:	TEP 483638
		v210405jgv1
	Amount:	\$3,500.00
	Component Description:	TEP 477356
		v201209jgv1
	Amount:	\$3,000.00
	Component Description:	TEP 472917
		v201209jgv1
	Amount:	\$10,000.00
ower Helicopter Lift		
	Component Description:	Jampro 3a
		v210210jgv2
	Amount:	\$63,000.00
	Component Description:	Jampro 2a
		v210210jgv2
	Amount:	\$63,000.00
	Component Description:	Jampro 5a
		v210210jgv2
	Amount:	\$126,000.00

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.	
Geotechnical Report		
	Component Description:	TEP 442385
		v200922jgv1
	Amount:	\$7,566.00
Tower mapping for an		
undocumented/poorly	Component Description:	TEP 442385
documented tower and		v200922jgv1
preparation of documentation necessary	Amount:	\$15,414.00
for tower load study		
	Component Description:	TEP 369154
		v200305jgv1
	Amount:	\$6,500.00
	Component Description:	TEP 395548
		v200415jgv1
	Amount:	\$6,000.00
	Component Description:	TEP 378960
		v200305jgv1
	Amount:	\$2,500.00

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	\$143,695.00	\$157,018.00		\$81,188.50	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$750.00	N/A	\$750.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$18,815.00	The Estimated Cost includes Form 399 submissions including ongoing Actual Cost invoice prep and submission, and amendments as needed.	\$18,815.00	N/A
Other Legal Services	\$15,400.00	\$15,400.00	Other Legal Services related to the station's DTV Repack	\$15,400.00	N/A
Additional Field Engineering Service, 20 Days	\$40,000.00	\$40,000.00	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 - 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
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$2,425.50	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$2,303.00	See attached / uploaded PDF files titled "KGA 554-838 v201208jgv1. pdf" and "KGA 554-860 v201208jgv1.pdf"	\$2,303.00	N/A

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	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	\$2,000.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$3,500.00	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

management of the transition \$36,000.00 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. \$2,105.00 \$2,000.00 N/A N/A N/A N/A FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase \$143,695.00 \$157,018.00 N/A \$81,188.50 N/A						
Engineering Services	management	\$9,480.00	\$9,000.00	N/A	\$2,550.00	N/A
consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase Sub-total \$143,695.00 \$157,018.00 N/A \$81,188.50 N/A Total for all \$2,523,436.00 \$2,063,953.00 N/A \$1,192,794.00 N/A	Engineering	\$36,000.00	\$36,000.00	Cost includes other engineering services such as RF calculations, evolving transition plan calculations, bid spec prep / distribution / award recommendation / etc and	\$33,445.00	N/A
Total for all \$2,523,436.00 \$2,063,953.00 N/A \$1,192,794.00 N/	consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for	\$2,105.00	\$2,000.00	N/A	N/A	N/A
	Sub-total	\$143,695.00	\$157,018.00	N/A	\$81,188.50	N/A
		\$2,523,436.00	\$2,063,953.00	N/A	\$1,192,794.00	N/A

Components

Actual Information Description	File Name	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	KGA 554-948 v210405jgv1 \$750.00
Prepare and or review reimbursement form		

v201203jgv1

Amount: \$2,235.00

Component Description: KGA 554-766

v200609jgv1

Amount: \$225.00

Component Description: KGA 554-807

v200922jgv1

Amount: \$725.00

Component Description: KGA 554-797

v200618pmv1

Amount: \$800.00

Component Description: KGA 554-783

v200618pmv1

Amount: \$900.00

Component Description: KGA 554-654

v200609jgv1

Amount: \$410.00

Component Description: KGA 554-706

v200128jgv1

Amount: \$1,000.00

Component Description: KGA 554-957

v210405jgv1

Amount: \$3,550.00

Component Description: KGA 554-950

v210405jgv1

Amount: \$500.00

v210405jgv1 \$2 025 00

Amount: \$2,025.00

Component Description: KGA 554-928

v210405jgv1

Amount: \$125.00

Component Description: KGA 554-922

v210405jgv1

Amount: \$75.00

Component Description: KGA 554-681

Amount:

Amount:

Amount:

v200128jgv1 \$675.00

Component Description: KGA 554-753

v200609jgv1 \$700.00

Component Description: KGA 554-608

v190620pmv1

Amount: \$650.00

Component Description: KGA 554-627

v190620pmv1

Amount: \$75.00

Component Description: KGA 554-891

v201203jgv1 \$1,075.00

Component Description:

KGA 554-621 v190620pmv1

Amount: \$370.00

Component Description: Prepare and review

FCC form 399

Amount: \$2,500.00

Component Description: KGA 554-646

v190702pmv1

Amount: \$200.00

Other Legal Services

Component Description: Repack Prep for

legal Invoices

Amount: \$346.50

Component Description: WGTV amount.

Refer to GMP master summary invoice WGTV with attached invoice.

Amount: \$77.00

Component Description: GMP 32893

v201203jgv1

Amount: \$5,274.50

Component Description: GMP 32419

v200618pmv1

Amount: \$192.50

Component Description: GMP 33049

v201203jgv1

Amount: \$38.50

Component Description: GMP 31879

v200415jgv1

Amount: \$115.50

Component Description: GMP 30378

v190702pmv1

Amount: \$500.50

Component Description: GMP 32600

v201203jgv1

Amount: \$77.00

Component Description: GMP 33908

v210405jgv1

Amount: \$885.50

Component Description: GMP 33747

v210405jgv1

Amount: \$1,078.00

Component Description: GMP 33593

v210405jgv1

Amount: \$38.50

Component Description: GMP 33254

v210405jgv1

Amount: \$2,772.00

Component Description: Form 387 review

and Repack advice during Fed govt shutdown

Amount: \$115.50

Component Description: WGTV amount.

Refer to GMP master summary invoice WGTV with attached invoice.

Amount: \$115.50

Component Description: GMP 32752

v201203jgv1

Amount: \$2,079.00

Component Description: GMP 31879

v200618pmv1

Amount: \$115.50

Component Description: Repack phase

change

considerations

Amount: \$539.00

Component Description: WGTV amount.

Refer to GMP matter summary May 2018. Refer to

letter and attachments

uploaded by GPB

8.2.18

Amount: \$654.50

Component Description: WGTV amount.

Refer to GMP matter summary Jan- April 2018. Refer to letter and attachments

uploaded by GPB

8.2.18

Amount: \$154.00

Component Description: GMP 31274

v200203jgv1

Amount: \$77.00

Component Description: GMP 30911

v200128jgv1

Amount: \$77.00

	Component Description: Amount:	WGTV amount. Refer to GMP master summary invoice WGTV with attached invoice. \$38.50
	Component Description: Amount:	GMP 30547 v200128jgv1 \$115.50
	Component Description: Amount:	Repack review of Form 387 \$38.50
Additional Field Engineering Service, 20 Days	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 -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	Information not provided.	

Application

Attorney Fees - Prepare and File FCC Form 2100 WGTV amount. **Component Description:** (main), Construction Refer to GMP Permit Application master summary invoice WGTV with attached invoice. Refer to letter and attachments uploaded by GPB 8.2.18 Amount: \$423.50 **Component Description:** WGTV amount. Refer to GMP master summary invoice WGTV with attached invoice. Refer to letter and attachments uploaded by GPB 8.2.18 Amount: \$2,002.00 Prepare request for **Special Temporary Component Description:** KGA 554-838 Authorization v201208jgv1 Amount: \$1,553.00 **Component Description:** KGA 554-860 v201208jgv1 Amount: \$750.00 RF Consulting Engineer Information not provided. Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application RF Consulting Engineer Information not provided. Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	Prepare engineering section form 2100 (main)
	Amount:	CPA \$2,000.00
Perform engineering study for new channel		
assignment and antenna development	Component Description:	Engineering services for new
·	Amount:	channel assignment \$3,500.00
Address transition timing and coordination issues w/other stations and wireless	Information not provided.	
Project management of the transition	Component Description:	KGA 554-597
	Component 2 component	v190620pmv1b
	Amount:	\$150.00
	Component Description:	KGA 554-897
	Amount:	v201208jgv1 \$150.00
	Component Description:	KGA 554-864
		v201208jgv1
	Amount:	\$150.00
	Component Description:	Project
		management Bob Gehman
	Amount:	\$225.00
	Component Description:	Project
	Component Description.	•
	Component Description.	management Bob
	Amount:	management Bob Gehman \$300.00

v210405jgv1

Amount: \$150.00

Component Description: KGA 554-712

v200128jgv1

Amount: \$150.00

Component Description: KGA 554-660

v200128jgv1

Amount: \$150.00

Component Description: KGA inv #554-574

Form 387 2018 Q4 by RG v190430jgv1

Amount: \$150.00

Component Description: KGA 554-750

v200609jgv1

Amount: \$150.00

Component Description: Form 387 3Q18

Amount: \$150.00

Component Description: KGA 554-787

v200618pmv1

Amount: \$150.00

Component Description: KGA 554-552

v200618pmv1

Amount: \$150.00

Component Description: KGA 554-861

v201208jgv1

Amount: \$150.00

Component Description: Project

management Bob

Gehman

\$225.00 Amount:

Component Description:

Form 387 4Q18

Form 387 2Q18

Amount:

\$150.00

Component Description:

Amount:

\$150.00

Other Engineering Services

Component Description: KGA 554-872

v201203jgv1

\$1,625.00

Amount:

Component Description: KGA 554-813

v200922jgv1

Amount:

\$275.00

Component Description: KGA 554-849

v201203jgv1

Amount:

\$1,675.00

Component Description: KGA 554-775

v200609jgv1

Amount:

\$400.00

KGA 554-826 **Component Description:**

v200922jgv1

\$675.00 Amount:

Component Description: KGA 554-702

v200128jgv1

Amount: \$1,525.00

v190620pmv1

Amount: \$1,750.00

Component Description: KGA 554-640

v190702pmv1

Amount: \$3,675.00

Component Description: KGA 554-721

v200128jgv1

Amount: \$1,075.00

Component Description: KGA 554-823

Amount:

Amount:

Amount:

Amount:

v200922jgv1 \$1,050.00

Component Description: KGA 554-674

v200128jgv1 \$2,000.00

Component Description: KGA 554-732

v200128jgv1 \$175.00

Amount: \$175.00

Component Description: KGA 554-667

v200128jgv1 \$2,425.00

Component Description: KGA 554-965

v210405jgv1 \$2,650.00

Component Description: KGA 554-944

v210405jgv1

Amount: \$300.00

v210405jgv1

Amount: \$1,775.00

Component Description: KGA 554-906

v210405jgv1

Amount: \$3,800.00

Component Description: KGA 554-627

v190620pmv1

Amount: \$2,750.00

Component Description: KGA inv #554-563

Actual Cost invs RG

2018 Aug

UL20190426jgv2

Amount: \$795.00

Component Description: KGA 554-590

v190620pmv1

Amount: \$150.00

Component Description: KGA 554-617

v190620pmv1

Amount: \$825.00

Component Description: KGA 554-858

v201203jgv1

Amount: \$250.00

Component Description: KGA 554-739

v200213jgv2

Amount: \$925.00

Component Description: KGA 554-883

v201203jgv1

Amount: \$900.00

FAA consultant, including
cost of preparing FAA
Form 7460 (Notice of
Proposed Construction), if
needed for height increase

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	\$163,395.00	\$162,845.00		\$124,703.00	
Electrical Work	\$62,715.00	\$62,715.00	See attached / uploaded PDF file titled "All-State 3711 v200415jgv1. pdf"	\$62,715.00	N/A
System Design and Site Survey	\$15,300.00	\$15,300.00	N/A	\$15,300.00	N/A
MVPD Notification of Channel Change	\$3,130.00	\$3,130.00	See attached / uploaded PDF files titled "KGA 554-795 v200619pmv1. pdf" and "KGA 554- 835 v200922jgv1. pdf"	\$3,130.00	N/A
Equipment Storage	\$16,000.00	\$16,000.00	N/A	N/A	N/A

Equipment	\$38,700.00	\$38,700.00	See attached	\$38,700.00	N/A
Delivery and Handling Charges			/ uploaded PDF files titled "P Wallace 23500 v200406jgv2. pdf" and "Jampro 1 v210204jgv1. pdf"		
Disposal Costs (for equipment and other waste, net of any salvage value)	\$16,000.00	\$16,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$4,858.00	N/A
Sub-total	\$163,395.00	\$162,845.00	N/A	\$124,703.00	N/A
Total for all systems	\$2,523,436.00	\$2,063,953.00	N/A	\$1,192,794.00	N/A

Components

Actual Information Description	File Name	
Electrical Work		
	Component Description: Amount:	All-State 3711 v200519jgv2 \$62,715.00
System Design and Site Survey	Component Description: Amount:	Comark 12829 v190911jgv1 \$15,300.00

MVPD Notification of Channel Change		
Chamile Change	Component Description:	KGA 554-795
		v200619pmv1
	Amount:	\$1,878.00
	Component Description:	KGA 554-835
		v200922jgv1
	Amount:	\$1,252.00
Equipment Storage	Information not provided.	
Equipment Delivery and Handling Charges		
Handling Charges	Component Description:	P Wallace 23500
		v200406jgv2
	Amount:	\$21,500.00
	Component Description:	Jampro 5a
		v210210jgv2
	Amount:	\$8,600.00
	Component Description:	Jampro 2a
		v210210jgv2
	Amount:	\$8,600.00
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
DTV Medical Facility		
Notification	Component Description:	KGA 554-794
		v200619pmv1
	Amount:	\$4,858.00

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,523,436.00	\$2,063,953.00	\$1,192,794.00

Reimbursem	envestiarus	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

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 abovenamed applicant for the Authorization(s) specified above. Jeffrey C Gehman Engineering Associate

04/05/2021

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.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- 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 abovenamed applicant for the Authorization(s) specified above. Jeffrey C Gehman Engineering Associate

04/05/2021

Attachments