



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **23930** | Service: **DTV** | Call **WACS-TV** | Channel:  
ID: | Sign:  
**7 (High VHF)** | File **0000027606**  
Number:  
FRN: **0001844976** | Date **04/14**  
Submitted: **/2021**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>GEORGIA PUBLIC TELECOMMUNICATIONS COMMISSION</b>	Adam Woodlief 260 14TH ST NW ATLANTA, GA 30318 United States	+1 (404) 685- 2410	awoodlief@gpb. 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
<b>Robert Gehman</b> <i>ConsultingEngineer</i> <i>Kessler and Gehman</i> <i>Associates, Inc.</i>	507 NW 60th Street Suite D Gainesville, FL 32607 United States	+1 (252) 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		Map and analyze tower; modify if needed. Replace transmitter and antenna. Add interim antenna and line for continuous operation during primary antenna replacement and for the duration of the assigned phase.

**Transmitters**

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

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	PTCD 5P1
	Year	2008
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	1.8 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	HPTV-PRLX-V7
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	10.1 kW
	Justification for New Transmitter	Manufacturer of existing transmitter advises that the existing transmitter cannot be re-tuned.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	100.0 feet

	Other Electrical Service	No
	Description	N/A
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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
<b>Standby Exciter and Switch</b>	Standby Exciter with Automatic Change Over Switch
<b>Additional Interior RF System</b>	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
<b>Existing Antenna Description</b>	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
<b>Existing Antenna Manufacturer and Type</b>	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) .....	4.7 kW

Manufacturer	
Model	THV-5A8 R C170
Year	2008



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?	No
	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)	4.7 kW
	Manufacturer	
	Model	JSM-5/7 TETO-V-R

	Year	2018
	Justification for New Antenna	Single channel antenna cannot accommodate assigned channel

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	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
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	No

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	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
<b>New Antenna Manufacturer and Type</b>	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) .....	4.7 kW
	Manufacturer	
	Model	JSM-4 /7SHTO-V-R
	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.
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## Interim Antenna

### Other Antenna Costs

Section	Question	Response
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	No

## 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	ERI
	Type	Flexible Air
	Diameter	3 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1040 feet per run

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Sweep Line	Sweep line for suitability on assigned channel

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	Flexible Air
	Diameter	3 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	1
	Length	1005 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	Other Transmission Line Expenses Not Listed
Transmission Line	Information not provided.



**Tower  
Equipment  
And  
Rigging  
Costs**

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

**Primary  
Tower**

**Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	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 Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1018782
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	31° 56' 12.4" N-
	Longitude (NAD83)	084° 33' 12.8" W-
	Overall Structure Height	1095.79 feet
	Support Structure Height	1044.93 feet
	Ground Elevation Above Mean Sea Level (AMSL)	473.09 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	GEORGIA PUBLIC TELECOMMUNICATIONS COMMISSION
Date Constructed	03/07/2016

### Other Types of Users

#### Users

GA Forestry

FBI

GBI

### 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	N/A
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
<b>Outside Project Management Services</b>	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.
<b>Outside RF consulting Engineering Services</b>	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
<b>Attorney and Other Outside Consulting Services</b>	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	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	Yes

Number of Days	22
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
<b>Other Engineering Services</b>	Engineering services not already included in a pre-established OPS section.
<b>Other Legal Services</b>	Legal services not already included in a pre-established OPS section.

## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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
<b>Permit and Filing Costs</b>	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
<b>Other Miscellaneous Expenses</b>	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
Electrical Design		Electrical Design
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 Justification
<b>Primary Transmitter HPTV-PRLX-V7</b>	<b>\$616,450.00</b>	<b>\$276,045.00</b>		<b>\$110,545.00</b>	
Additional Interior RF System	<i>\$75,000.00</i>	\$75,000.00	N/A	N/A	N/A
Standby Exciter and Switch	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	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 - 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	\$110,545.00	See attached / uploaded file "Comark S10459-1 v190912jgv1"	\$110,545.00	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
<b>Sub-total</b>	<b>\$616,450.00</b>	<b>\$276,045.00</b>	N/A	<b>\$110,545.00</b>	N/A
<b>Total for all systems</b>	<b>\$1,908,194.00</b>	<b>\$1,621,603.00</b>	N/A	<b>\$917,734.00</b>	N/A

## Components

Actual Information	
Description	File Name
Additional Interior RF System	Information not provided.
Standby Exciter and Switch	Information not provided.
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 8.5 . 12.5 kW	<b>Component Description:</b> Comark S10459-1 v190912jgv1 <b>Amount:</b> \$110,545.00
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
<b>Interim Antenna JSM-4 /7SHTO-V-R</b>	<b>\$82,040.00</b>	<b>\$82,040.00</b>		<b>\$82,040.00</b>	
High VHF - High Power Side Mount One Station horizontally polarized	<i>\$82,040.00</i>	\$82,040.00	See attached / uploaded PDF file titled "Jampro 1 v210205jgv1.pdf"	\$82,040.00	N/A
<b>Primary Antenna JSM-5/7 TETO-V-R</b>	<b>\$202,740.00</b>	<b>\$202,740.00</b>		<b>\$117,181.00</b>	
High VHF - High Power Top Mount One Station elliptically or circularly polarized	<i>\$202,740.00</i>	\$202,740.00	See attached / uploaded PDF file titled "Jampro 1 v210205jgv1.pdf"	\$117,181.00	N/A
<b>Sub-total</b>	<b>\$284,780.00</b>	<b>\$284,780.00</b>	N/A	<b>\$199,221.00</b>	N/A
<b>Total for all systems</b>	<b>\$1,908,194.00</b>	<b>\$1,621,603.00</b>	N/A	<b>\$917,734.00</b>	N/A

### Components

Actual Information Description	File Name
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High VHF - High Power Side  
Mount One Station  
horizontally polarized

**Component Description:** Jampro 2ab  
v210226jgv4  
**Amount:** \$7,140.00

**Component Description:** Jampro 1ab  
v210226jgv4  
**Amount:** \$7,140.00

**Component Description:** Jampro 1ab  
v210226jgv4  
**Amount:** \$25,704.00

**Component Description:** Jampro 1ab  
v210226jgv4  
**Amount:** \$14,280.00

**Component Description:** Jampro 4ab  
v210226jgv4  
**Amount:** \$10,640.00

**Component Description:** Jampro 2ab  
v210226jgv4  
**Amount:** \$17,136.00

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

**Component Description:** Jampro 5  
v210208jgv1  
**Amount:** \$13,447.00

**Component Description:** Jampro 5  
v210208jgv1  
**Amount:** \$13,447.00

**Component Description:** Jampro 1ab  
v210226jgv4  
**Amount:** \$19,210.00

**Component Description:** Jampro 1ab  
v210226jgv4  
**Amount:** \$19,210.00

**Component Description:** Jampro 1ab  
v210226jgv4  
**Amount:** \$11,526.00

**Component Description:** Jampro 3ab  
v210226jgv4  
**Amount:** \$17,289.00

**Component Description:** Jampro 3ab  
v210226jgv4  
**Amount:** \$5,763.00

**Component Description:** Jampro 3ab  
v210226jgv4  
**Amount:** \$5,763.00

**Component Description:** Jampro 2ab  
v210226jgv4  
**Amount:** \$11,526.00

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
Interim Transmission Line	\$59,295.00	\$54,656.00		\$54,656.00	
Flexible Air Transmission Line - dielectric, 3"	\$59,295.00	\$54,656.00	N/A	\$54,656.00	N/A
Primary Transmission Line	\$6,400.00	\$6,400.00		\$0.00	
Sweep Line	\$6,400.00	\$6,400.00	N/A	N/A	N/A
Sub-total	\$65,695.00	\$61,056.00	N/A	\$54,656.00	N/A
Total for all systems	\$1,908,194.00	\$1,621,603.00	N/A	\$917,734.00	N/A

Components

Actual Information	
Description	File Name
Flexible Air Transmission Line - dielectric, 3"	<div>Component Description: Jampro 1ab v210226jgv4</div> <div>Amount: \$54,656.00</div>
Sweep Line	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	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower GTOWER	\$657,800.00	\$711,300.00		\$373,900.00	
Tall Tower (greater than 500')	\$210,500.00	\$271,800.00	See attached / uploaded PDF file titled "Jampro 1 v210205jgv1. pdf"	\$135,900.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	\$198,500.00	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$39,500.00	See attached / uploaded PDF files titled "TEP 395922 v200415jgv1. pdf", "TEP 443202 v200617jgv1. pdf" and "TEP 458570 v201203jgv1. pdf"	\$39,500.00	N/A
Sub-total	\$657,800.00	\$711,300.00	N/A	\$373,900.00	N/A
Total for all systems	\$1,908,194.00	\$1,621,603.00	N/A	\$917,734.00	N/A

Components

Actual Information Description	File Name
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Tall Tower (greater than 500')	<b>Component Description:</b>		Jampro 4ab
			v210226jgv4
	<b>Amount:</b>		\$67,950.00
	<b>Component Description:</b>		Jampro 2ab
			v210226jgv4
	<b>Amount:</b>		\$67,950.00



Major tower reinforcement  
/modifications

**Component Description:** TEP 466791  
v201203jgv1  
**Amount:** \$20,000.00

**Component Description:** TEP 466789  
v201203jgv1  
**Amount:** \$20,000.00

**Component Description:** TEP 466790  
v201203jgv1  
**Amount:** \$20,000.00

**Component Description:** TEP 419765  
v200615jgv1  
**Amount:** \$90,000.00

**Component Description:** TEP 466788  
v201203jgv1  
**Amount:** \$20,000.00

**Component Description:** TEP 470385  
v201203jgv1  
**Amount:** \$3,500.00

**Component Description:** TEP 466792  
v201203jgv1  
**Amount:** \$5,000.00

**Component Description:** TEP 419764  
v200615jgv1  
**Amount:** \$20,000.00

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study

**Component Description:** TEP 395922  
v200415jgv1  
**Amount:** \$12,000.00

**Component Description:** TEP 369151  
v200305jgv1  
**Amount:** \$9,500.00

**Component Description:** TEP 443202  
v200617jgv1  
**Amount:** \$1,500.00

**Component Description:** TEP 458570  
v201203jgv1  
**Amount:** \$3,500.00

**Component Description:** TEP 388003  
v200303jgv1  
**Amount:** \$9,500.00

**Component Description:** TEP 373507  
v200305jgv1  
**Amount:** \$3,500.00

## 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 Cost Justification
<b>Outside Professional Services</b>	<b>\$119,689.00</b>	<b>\$133,017.00</b>		<b>\$64,607.00</b>	
Other Engineering Services	<i>\$23,125.00</i>	\$23,125.00	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.	\$23,125.00	N/A
Other Legal Services	<i>\$10,164.00</i>	\$10,164.00	Other Legal Services related to the station's transition to it's post-Repack channel	\$10,164.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$4,500.00	A 2nd CP mod app was required to match the actual ERP and antenna purchased.	\$4,500.00	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
Prepare and or review reimbursement form	\$2,630.00	\$16,925.00	The Estimated Cost includes Form 399 submissions including ongoing Actual Cost invoice prep and submission, and amendments as needed.	\$16,925.00	N/A
Project management of the transition	\$9,480.00	\$9,000.00	N/A	\$2,550.00	N/A
Additional Field Engineering Service, 22 Days	<b>\$42,000.00</b>	\$42,000.00	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 - 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	\$1,540.00	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,553.00	N/A	\$1,553.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$750.00	N/A
<b>Sub-total</b>	\$119,689.00	\$133,017.00	N/A	\$64,607.00	N/A
<b>Total for all systems</b>	\$1,908,194.00	\$1,621,603.00	N/A	\$917,734.00	N/A

## Components

**Actual Information****Description****File Name**

Other Engineering Services

**Component Description:** KGA 554-871  
v201202jgv1**Amount:** \$675.00**Component Description:** KGA 554-882  
v201201jgv1**Amount:** \$925.00**Component Description:** KGA 554-825  
v200922jgv1**Amount:** \$475.00**Component Description:** KGA 554-630  
v190620pmv1**Amount:** \$2,475.00**Component Description:** KGA 554-673  
v200213jgv1**Amount:** \$1,700.00**Component Description:** KGA 554-816  
v200922jgv1**Amount:** \$325.00**Component Description:** KGA 554-857  
v201201jgv1**Amount:** \$250.00**Component Description:** KGA 554-943  
v210412jgv1**Amount:** \$75.00

<b>Component Description:</b>	KGA 554-964 v210414jgv1
<b>Amount:</b>	\$1,800.00

<b>Component Description:</b>	KGA 554-606 v190620pmv1
<b>Amount:</b>	\$675.00

<b>Component Description:</b>	KGA 554-731 v200213jgv1
<b>Amount:</b>	\$125.00

<b>Component Description:</b>	KGA 554-738 v200213jgv1
<b>Amount:</b>	\$400.00

<b>Component Description:</b>	KGA 554-639 v190702pmv1
<b>Amount:</b>	\$1,450.00

<b>Component Description:</b>	KGA 554-701 v200213jgv1
<b>Amount:</b>	\$1,500.00

<b>Component Description:</b>	KGA 554-774 v200609jgv1
<b>Amount:</b>	\$475.00

<b>Component Description:</b>	KGA 554-722 v200213jgv1
<b>Amount:</b>	\$1,250.00

<b>Component Description:</b>	KGA 554-915 v210412jgv1
<b>Amount:</b>	\$975.00

	<b>Component Description:</b> <b>Amount:</b>	KGA 554-905 v210412jgv1 \$3,825.00
	<b>Component Description:</b> <b>Amount:</b>	KGA 554-605 v190620pmv1 \$500.00
	<b>Component Description:</b> <b>Amount:</b>	KGA 554-666 v200213jgv1 \$1,500.00
	<b>Component Description:</b> <b>Amount:</b>	KGA 554-850 v201202jgv1 \$1,750.00
Other Legal Services	<b>Component Description:</b>  <b>Amount:</b>	WACS amount. Refer to Jan-Apr matter summary for all 5 sites.Refer to letter and attachments uploaded by GPB 8.2.18 \$38.50
	<b>Component Description:</b> <b>Amount:</b>	GMP 32751 v201201jgv1 \$1,655.50
	<b>Component Description:</b> <b>Amount:</b>	GMP 33592 v210412jgv1 \$38.50



<b>Component Description:</b>	WACS amount. Refer to GMP master summary invoice WACS with attached invoice.
<b>Amount:</b>	\$38.50

<b>Component Description:</b>	GMP 30910 v200213jgv1
<b>Amount:</b>	\$231.00

<b>Component Description:</b>	GMP 31273 v200213jgv1
<b>Amount:</b>	\$77.00

<b>Component Description:</b>	GMP 33907 v210412jgv1
<b>Amount:</b>	\$577.50

<b>Component Description:</b>	GMP 33253 v210412jgv1
<b>Amount:</b>	\$693.00

<b>Component Description:</b>	GMP 33746 v210412jgv1
<b>Amount:</b>	\$1,463.00

<b>Component Description:</b>	GMP 32418 v200617pmv1
<b>Amount:</b>	\$192.50

<b>Component Description:</b>	GMP 33048 v201201jgv1
<b>Amount:</b>	\$38.50

<b>Component Description:</b>	GMP 32892 v201201jgv1
<b>Amount:</b>	\$4,427.50

<b>Component Description:</b>	WACS amount. Refer to GMP master summary invoice WACS with attached invoice.
<b>Amount:</b>	\$115.50

<b>Component Description:</b>	GMP 30377 v190702pmv1
<b>Amount:</b>	\$231.00

<b>Component Description:</b>	GMP 32599 v201201jgv1
<b>Amount:</b>	\$77.00

<b>Component Description:</b>	Repack Prep of Legal Invoices
<b>Amount:</b>	\$77.00

<b>Component Description:</b>	WACS amount. Refer to May matter summary for all 5 sites.Refer to letter and attachments uploaded by GPB 8.2.18
<b>Amount:</b>	\$154.00

<b>Component Description:</b>	WACS amount. Refer to GMP master summary invoice WACS with attached invoice.
<b>Amount:</b>	\$38.50

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<b>Component Description:</b> KGA 554-932 v210412jgv1 <b>Amount:</b> \$2,000.00
	<b>Component Description:</b> Prepare engineering section of Form 2100 (main) construction permit application <b>Amount:</b> \$2,500.00
Perform engineering study for new channel assignment and antenna development	<b>Component Description:</b> Perform engineering study for new channel assignment <b>Amount:</b> \$3,500.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Prepare and or review reimbursement form	<b>Component Description:</b> KGA 554-956 v210412jgv1 <b>Amount:</b> \$2,800.00
	<b>Component Description:</b> KGA 554-927 v210412jgv1 <b>Amount:</b> \$125.00
	<b>Component Description:</b> KGA 554-933 v210412jgv1 <b>Amount:</b> \$2,200.00
	<b>Component Description:</b> KGA 554-851 v201202jgv1 <b>Amount:</b> \$2,790.00

<b>Component Description:</b>	KGA 554-796 v200617pmv1
<b>Amount:</b>	\$625.00

<b>Component Description:</b>	Prepare and review reimbursement form
<b>Amount:</b>	\$2,500.00

<b>Component Description:</b>	KGA 554-782 v200617pmv1
<b>Amount:</b>	\$750.00

<b>Component Description:</b>	KGA 554-705 v200213jgv1
<b>Amount:</b>	\$450.00

<b>Component Description:</b>	KGA 554-603 v190620pmv1
<b>Amount:</b>	\$275.00

<b>Component Description:</b>	KGA 554-680 v200213jgv1
<b>Amount:</b>	\$725.00

<b>Component Description:</b>	KGA 554-949 v210412jgv1
<b>Amount:</b>	\$1,600.00

<b>Component Description:</b>	KGA 554-921 v210412jgv1
<b>Amount:</b>	\$75.00

<b>Component Description:</b>	KGA 554-890 v201203jgv1
<b>Amount:</b>	\$875.00

Project management of the transition	<b>Component Description:</b>	KGA 554-806 v200921jgv1
	<b>Amount:</b>	\$150.00
	<b>Component Description:</b>	KGA 554-655 v200609jgv1
	<b>Amount:</b>	\$360.00
	<b>Component Description:</b>	KGA 554-765 v200609jgv1
	<b>Amount:</b>	\$625.00
Project management of the transition	<b>Component Description:</b>	KGA 554-748 v200609jgv1
	<b>Amount:</b>	\$150.00
	<b>Component Description:</b>	KGA 554-938 v210412jgv1
	<b>Amount:</b>	\$150.00
	<b>Component Description:</b>	KGA 554-791 v200617pmv1
	<b>Amount:</b>	\$150.00
	<b>Component Description:</b>	KGA 554-596 v190624pmv2
	<b>Amount:</b>	\$150.00
	<b>Component Description:</b>	Project management Bob Gehman
	<b>Amount:</b>	\$225.00
	<b>Component Description:</b>	KGA 554-659 v200213jgv1
	<b>Amount:</b>	\$150.00

<b>Component Description:</b>	Form 387 3Q18
<b>Amount:</b>	\$150.00
<b>Component Description:</b>	Project management Bob Gehman
<b>Amount:</b>	\$225.00
<b>Component Description:</b>	KGA 554-710 v200213jgv1
<b>Amount:</b>	\$150.00
<b>Component Description:</b>	Form 387 4Q18
<b>Amount:</b>	\$150.00
<b>Component Description:</b>	KGA 554-896 v201203jgv1
<b>Amount:</b>	\$150.00
<b>Component Description:</b>	KGA 554-862 v201203jgv1
<b>Amount:</b>	\$150.00
<b>Component Description:</b>	KGA 554-596 v190620pmv1
<b>Amount:</b>	\$150.00
<b>Component Description:</b>	Form 387 2Q18
<b>Amount:</b>	\$150.00
<b>Component Description:</b>	KGA 554-865 v201203jgv1
<b>Amount:</b>	\$150.00

	<p><b>Component Description:</b></p> <p>Project management Bob Gehman</p> <p><b>Amount:</b></p> <p>\$300.00</p>
Additional Field Engineering Service, 22 Days	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 -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.

<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="707 174 1015 208"><b>Component Description:</b></td><td data-bbox="1147 174 1374 483"> WACS amount.  Refer to GMP master summary invoice WACS with attached invoice.  Refer to letter and attachments from GPB 8.2.18 </td></tr> <tr> <td data-bbox="707 499 815 533"><b>Amount:</b></td><td data-bbox="1147 499 1246 533">\$385.00</td></tr> <tr> <td data-bbox="707 636 1015 669"><b>Component Description:</b></td><td data-bbox="1147 636 1374 945"> WACS amount.  Refer to GMP master summary invoice WACS with attached invoice.  Refer to letter and attachments uploaded by GPB 8.2.18 </td></tr> <tr> <td data-bbox="707 994 815 1028"><b>Amount:</b></td><td data-bbox="1147 994 1267 1028">\$1,155.00</td></tr> </table>	<b>Component Description:</b>	WACS amount. Refer to GMP master summary invoice WACS with attached invoice. Refer to letter and attachments from GPB 8.2.18	<b>Amount:</b>	\$385.00	<b>Component Description:</b>	WACS amount. Refer to GMP master summary invoice WACS with attached invoice. Refer to letter and attachments uploaded by GPB 8.2.18	<b>Amount:</b>	\$1,155.00
<b>Component Description:</b>	WACS amount. Refer to GMP master summary invoice WACS with attached invoice. Refer to letter and attachments from GPB 8.2.18								
<b>Amount:</b>	\$385.00								
<b>Component Description:</b>	WACS amount. Refer to GMP master summary invoice WACS with attached invoice. Refer to letter and attachments uploaded by GPB 8.2.18								
<b>Amount:</b>	\$1,155.00								
<p>Prepare request for Special Temporary Authorization</p>	<table> <tr> <td data-bbox="707 1167 1015 1200"><b>Component Description:</b></td><td data-bbox="1147 1167 1310 1238"> KGA 554-837  v201203jgv1 </td></tr> <tr> <td data-bbox="707 1249 815 1283"><b>Amount:</b></td><td data-bbox="1147 1249 1267 1283">\$1,553.00</td></tr> </table>	<b>Component Description:</b>	KGA 554-837 v201203jgv1	<b>Amount:</b>	\$1,553.00				
<b>Component Description:</b>	KGA 554-837 v201203jgv1								
<b>Amount:</b>	\$1,553.00								
<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<table> <tr> <td data-bbox="707 1422 1015 1456"><b>Component Description:</b></td><td data-bbox="1147 1422 1310 1494"> KGA 554-947  v210412jgv1 </td></tr> <tr> <td data-bbox="707 1505 815 1538"><b>Amount:</b></td><td data-bbox="1147 1505 1246 1538">\$750.00</td></tr> </table>	<b>Component Description:</b>	KGA 554-947 v210412jgv1	<b>Amount:</b>	\$750.00				
<b>Component Description:</b>	KGA 554-947 v210412jgv1								
<b>Amount:</b>	\$750.00								



## 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 Justification
<b>Other Expenses</b>	<b>\$163,780.00</b>	<b>\$155,405.00</b>		<b>\$114,805.00</b>	
Electrical Design	<i>\$8,660.00</i>	\$8,660.00	See attached / uploaded PDF files titled "NBP Eng 18188 v200303jgv1.pdf" and "NBP Eng 18373 v210303jgv1.pdf"	\$8,660.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$3,175.00	See attached / uploaded PDF file titled "KGA 554-793 v200626jgv1.pdf"	\$3,175.00	N/A
Electrical Work	<i>\$66,640.00</i>	\$66,640.00	See attached / uploaded PDF file titled "All-State 3713 v200415jgv1.pdf"	\$66,640.00	N/A

MVPD Notification of Channel Change	<b>\$3,130.00</b>	\$3,130.00	See attached / uploaded PDF files titled "KGA 554-792 v200626jgv1.pdf" and "KGA 554-836 v200922jgv1.pdf"	\$3,130.00	N/A
Develop and air announcement of upcoming channel change	<b>\$0.00</b>	\$0.00	N/A	N/A	N/A
Equipment Storage	<b>\$16,000.00</b>	\$16,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<b>\$26,500.00</b>	\$26,500.00	See attached / uploaded PDF file titled "Jampro 1 v210205jgv1.pdf"	\$17,900.00	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<b>\$16,000.00</b>	\$16,000.00	N/A	N/A	N/A
System Design and Site Survey	<b>\$15,300.00</b>	\$15,300.00	See attached / uploaded file "Comark 12831 v190912jgv1.pdf"	\$15,300.00	N/A
<b>Sub-total</b>	\$163,780.00	\$155,405.00	N/A	\$114,805.00	N/A
<b>Total for all systems</b>	\$1,908,194.00	\$1,621,603.00	N/A	\$917,734.00	N/A

## Components

Actual Information	
Description	File Name
Electrical Design	<b>Component Description:</b> NBP Eng 18188 v200320jgv2
	<b>Amount:</b> \$4,160.00
	<b>Component Description:</b> NBP Eng 18373 v210315jgv3
	<b>Amount:</b> \$4,500.00
DTV Medical Facility Notification	<b>Component Description:</b> KGA 554-793 v200626jgv1
	<b>Amount:</b> \$3,175.00
Electrical Work	<b>Component Description:</b> All-State 3713 v200415jgv1
	<b>Amount:</b> \$66,640.00
MVPD Notification of Channel Change	<b>Component Description:</b> KGA 554-792 v200626jgv1
	<b>Amount:</b> \$1,878.00
	<b>Component Description:</b> KGA 554-836 v200922jgv1
	<b>Amount:</b> \$1,252.00
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.

Equipment Delivery and Handling Charges	<div> <div>Component Description:</div> <div>Jampro 2ab v210226jgv4</div> </div> <div> <div>Amount:</div> <div>\$17,900.00</div> </div>
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
System Design and Site Survey	<div> <div>Component Description:</div> <div>Comark 12831 v190912jgv1</div> </div> <div> <div>Amount:</div> <div>\$15,300.00</div> </div>

**Cost  
Information**

**Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$1,908,194.00	\$1,621,603.00	\$917,734.00

**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	<p>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.</p>	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> </ol>	

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.

<p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Jeffrey C Gehman</b>  <i>Engineering Associate</i></p> <p>04/14/2021</p>



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 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 AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol style="list-style-type: none"> <li>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.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

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.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>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.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Jeffrey C Gehman</b>  <i>Engineering Associate</i></p> <p>04/14/2021</p>

## Attachments