

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Channel: 17 (UHF) Service: DTV Call KWQC-TV Facility Sign:

ID:

File 0000028734

Number:

FRN: 0018223693 Date 01/22

> Submitted: /2021

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
GRAY TELEVISION LICENSEE, LLC	4370 PEACHTREE ROAD, NE ATLANTA, GA 30319 United States	+1 (404) 504-9828	robert. folliard@gray. tv	Limited Liability Company

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
Samuel Hariton Widelity	Samuel Hariton 4031 University Dr Suite 100 Fairfax, VA 22030 United States	+1 (339) 222-8107	sam.hariton@widelity.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.	Yes
Briefly describe transition plan	KWQC will transition from channel 36 to 17 on a new existing tower. The transition will result in a new transmitter, antenna, and transmission line. The station will require an interim system to remain on the air.

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	
Manufacturer and Type	Model	CD3260P2
	Year	2002
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 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- PARL-U32
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	60 kW
	Justification for New Transmitter	Existing transmitter cannot be retuned.

Primary Transmitter

Other Transmitter Costs

Service Entrance (3 phases 800A 208V)	
Oct vice Entrance (5 phases 500A 200 v)	No
Switchgear (industrial 800 amp)	No
Transformer (480V)	No
Power	N/A
Rigid Conduit and Wiring	No
Size	N/A
Length	N/A
Other Electrical Service	Yes
	Transformer (480V) Power Rigid Conduit and Wiring Size Length

	Description	The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.
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	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
Improvement	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

Transmitter Information not provided.

Interim Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	EC706
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	4.9 kW
	Justification for New Transmitter	Needed to broadcast during transition

Interim Transmitter

Other Transmitter Costs

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

	Description	The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.
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	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
Improvement	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
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	No

Interim Transmitter

Other Transmitter Cost Not Listed

Name	Description
HVAC	Interim Transmitter HVAC

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?	Yes
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	2
	Number of Panels	56
	Design power capacity in use	100.0 %
	Lower Limit	470.00 MHz
	Upper Limit	728.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW

Manufacturer	
Model	TUF-04-14 /56H-1-TR
Year	2002

Facility ID's and Call Signs of all stations with whom the antenna is shared.

Facility ID	Call Sign
54011	KLJB

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?	Yes
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW
	Manufacturer	
		'

Model	TFU-27JSC /VP-R-04
Year	2018
Justification for New Antenna	New antenna at alternate site

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Other Antenna Cost Not Listed

Name	Description
V-Pol	Upgrade to primary antenna

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?	Yes
New Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	8
	Lower Limit	470.00 MHz
	Upper Limit	686.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	19.8 kW
	Manufacturer	
	Model	TFU-WB8-R
	Year	2018

Justification for New Antenna	Interim
	Broadcasting

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?	Yes

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

Existing Transmission Line

Primary Transmission

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Туре	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1200 feet per run

Facility ID's and Call Signs of all stations with whom the transmission line is shared.

Facility ID	Call Sign
54011	KLJB

Primary

New Transmission Line

Transmission Line	Question	Response	
New Transmission Line Costs	Use	Primary (Main)	
		Description of Use	N/A
	Change Type	Purchase New	
		Is this a request for upgraded equipment?	Yes
		Туре	Rigid
		Diameter	6 1/8 inches
		Other Diameter	N/A
		Segment Length	19 1/2 inches
		Other Segment Length	N/A
		Number of parallel runs	1
	Length	1310 feet per run	
	Justification for New Transmission Line	Need a new line for the new tower.	

Primary

Other Transmission Line Expenses Not Listed

Transmission loine tion not provided.

Interim

New Transmission Line

Transmission Line	Question	Response	
	New Transmission Line	Use	Interim
	Costs	Description of Use	N/A
		Change Type	Purchase New
		Туре	Flexible Air
		Diameter	3 inches
		Segment Length	N/A
		Other Segment Length	
		Number of parallel runs	1
	Length	1100 feet per run	
	Justification for New Transmission Line	Needed for interim broadcasting	

Other Transmission Line Expenses Not Listed

Transmission loine tion 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

Add 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)	Yes
	Others Types of Users	Yes
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1035417
Coordinates (NAD83 (Latitude (NAD83)	41° 32' 48.8" N-
North American Datum of 1983))	Longitude (NAD83)	090° 28' 37.8" W-
	Overall Structure Height	1381.22 feet
	Support Structure Height	1292.64 feet
	Ground Elevation Above Mean Sea Level (AMSL)	666.00 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	Young /Coronet, A Joint Venture
Date Constructed	01/01/1982

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
13950	WHBF-TV	DTV
60361	WLLR-FM	FM
3242	WVIK	FM

Other Types of Users

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	No 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

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	900
	Explanation	Strategic Support
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	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	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	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	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Professional

Other Professional Services Expenses Not Listed

al	Services Costs	Description
	Attorney Fees -Construction Permit Aux Application	Attorney Fees - prepare and File Form 2100 Construction Permit

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	Yes
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	No
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	No
	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
Construction Permit Aux FCC Filing Fees	Construction Permit Aux FCC Filing Fees
License to Cover Aux FCC Filing Fees	License to Cover Aux FCC Filing Fees
Reimbursable Sales Taxes	Sales Tax

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
Interim Transmitter EC706	\$253,934.00	\$215,138.81		\$206,443.29	
HVAC	\$7,484.00	\$7,484.00	Winter operation option added Including Tax	\$5,995.00	N/A
Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	\$9,950.00	\$9,950.00	Quote 18- 9211 Decco Including tax	\$9,950.00	N/A
UHF - Air Cooled Solid State Transmitter 4 - 6 kW	\$236,500.00	\$197,704.81	per Comark Proposal P#4034R4- KWQC- PARLX- 180711 Includes remaining est taxes and delivery	\$190,498.29	N/A

Primary Transmitter HPTV-PARL- U32	\$1,875,050.00	\$1,351,907.19		\$1,286,189.44	
Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	\$87,050.00	\$87,050.00	see Estimated Cost Justification KWQC-110- Electrical Service New 1st Primary Transmitter v1	\$87,050.00	N/A
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,264,857.19	Please see Estimated Cost Justification KWQC-110- New 1st Primary Transmitter v0	\$1,199,139.44	N/A
Sub-total	\$2,128,984.00	\$1,567,046.00	N/A	\$1,492,632.73	N/A
Total for all systems	\$3,309,649.35	\$2,429,893.59	N/A	\$2,257,365.70	N/A

Components

Actual Information Description	File Name	
HVAC		
	Component Description:	Daikin Ductless A
		/C System
	Amount:	\$5,995.00

Other Electrical Service: The new transmitter will KWQC-180-**Component Description:** require reconfiguration of **Electrical Services** the electrical service on New Interim site. The electrical work Transmitter cost has been estimated Amount: \$2,313.80 based on verbal guidance from local electrical contractors. **Component Description:** KWQC-180-**Electrical Services** New Interim Transmitter **Amount:** \$7,636.20 UHF - Air Cooled Solid State Transmitter 4 - 6 kW **Component Description:** KWQC-180-New Interim Transmitter Amount: \$72,002.16 **Component Description:** KWQC-180-New Interim Transmitter **Amount:** \$19,159.20 **Component Description:** KWQC-180-New Interim Transmitter **Amount:** \$103,789.40 **Component Description:** Vendor Credit -KWQC-180-New Interim Transmitter Amount: (\$4,452.47)

Other Electrical Service:
The new transmitter will
require reconfiguration of
the electrical service on
site. The electrical work
cost has been estimated
based on verbal guidance
from local electrical
contractors.

Component Description: Electrical work for

new transmitter at

Bettendorf

Transmitter Site

Amount: \$11,770.00

Component Description: Electrical work for

new transmitter

Amount: \$24,610.00

Component Description: Electrical work for

new transmitter at

Bettendorf

Amount: \$20,242.87

Component Description: Billing: 3-4-19 thru

4-1-19 Electrical work for new transmitter at Bettendorf

Transmitter Site.

Amount: \$15,963.33

Component Description: Electrical work

Amount: \$14,463.80

UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW

Component Description: Vendor Credit -

Refund for Sales Tax on invoice #S10326-1, #S10326-2, #S10326-3A.

Amount: (\$30,993.14)

Component Description: KWQC, SYSTEM

PRLX U32 D17
INSTALLATION

Amount: \$127,516.88

Component Description: At 805 Brady

Street, Daveport, IA install grounding

Amount: \$5,885.00

Component Description: KWQC, SYSTEM

PRLX U32 D17

Amount: \$446,726.85

Component Description: System PRLX U32

D17

Amount: \$649,443.85

Component Description: Suppressor **Amount:** \$560.00

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-WB8-R	\$70,004.40	\$69,758.40		\$59,882.06	
UHF - High Power, Side Mount, basic slot antenna, 8 bay,, 20 kW input, horizontally polarized	\$63,274.40	\$63,274.40	DTV Pros JEHQ1357- 01 Includes est tax and deliver fees	\$53,482.06	N/A
Sweep test of existing antenna	\$6,730.00	\$6,484.00	Including tax	\$6,400.00	N/A
Primary Antenna TFU-27JSC /VP-R-04	\$227,517.50	\$224,806.15		\$208,481.65	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$4,280.00	Per DTV Pros JEHQ1286- 07 Includes tax	\$4,000.00	N/A

Side mount brackets	\$23,150.00	\$19,435.28	see Estimated	\$19,435.28	N/A
for high			Cost		
power			Justification		
antennas			KWQC-210-		
(if not			Side Mount		
included in			Brackets		
antenna			New		
base cost)			Primary Antenna v0		
Elbow	\$12,300.00	\$14,165.37	see	\$14,165.37	N/A
complex,			Estimated		
single			Cost		
channel, at			Justification		
antenna			KWQC-210-		
input, per 6			Elbow		
1/8.			complex		
feedline (if			New		
needed)			Primary		
			Antenna v0		
Sweep test	\$6,730.00	\$6,848.00	Including	\$6,400.00	N/A
of existing			tax		
antenna					
UHF - High	\$164,627.50	\$164,627.50	DTVPros	\$164,481.00	N/A
Power,			JEHQ1286-		
Side			07 Includes		
Mount,			est tax and		
basic slot			delivery		
antenna,			fees		
1000 kW					
input,					
directional,,					
elliptically					
or circularly polarized					
V-Pol	\$15,450.00	\$15,450.00	See	N/A	N/A
		·	attached		
			DTVPros		
			quote		
			JEHQ1286-		
			07.		
Sub-total	\$297,521.90	\$294,564.55	N/A	\$268,363.71	N/A
Total for	\$3,309,649.35	\$2,429,893.59	N/A	\$2,257,365.70	N/A

Components

Actual Information Description	File Name	
UHF - High Power, Side Mount, basic slot antenna, 8 bay,, 20 kW input, horizontally polarized	Component Description: Amount:	UHF- BROADBAND PANEL, SIDE MOUNT AUX /INTERIM \$15,146.06
	Component Description: Amount:	UHF - BROADBAND PANEL, SIDE MOUNT AUX /INTERIM TV ANT TFU WB8-R \$14,376.00
	Component Description: Amount:	UHF - BROADBAND PANEL, SIDE MOUNT AUX /INTERIM \$11,980.00
	Component Description: Amount:	UHF Broadband panel, side mount Aux/Interim TV Ant TFU W88-R \$11,980.00

Sweep test of existin	g
antenna	

Component Description: KWQC-280-Sweep

test for New Interim Antenna

Amount: \$1,280.00

Component Description: KWQC-280-Sweep

test for New

Interim Antenna

Amount: \$1,920.00

Component Description: KWQC Sweep

Test New Interim

Antenna

Amount: \$1,600.00

Component Description: KWQC Sweep

Test for New

Interim Antenna

Amount: \$1,600.00

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)

Component Description: KWQC-210-

Pattern Scatter Analysis New Primary Antenna

Amount: \$1,000.00

Component Description: KWQC-210-

Pattern Scatter
Analysis New
Primary Antenna

Amount: \$1,200.00

Component Description: KWQC Pattern

Scatter Analysis
New Primary
Antenna

Amount: \$1,000.00

Component Description: KWQC-210-

Pattern Scatter Analysis New Primary Antenna

Amount: \$800.00

Side mount brackets for high power antennas (if not included in antenna base cost)

Component Description: KWQC-210-Side

> Mount Brackets **New Primary**

Antenna

Amount: \$5,419.28

Component Description: KWQC-210-Side

> Mount Brackets **New Primary** Antenna

Amount: \$4,380.00

Component Description: KWQC Side Mount

> **Brackets New** Primary Antenna

Amount: \$4,380.00

Component Description: KWQC-210-Side

> Mount Brackets **New Primary** Antenna

Amount: \$5,256.00 Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)

Component Description: KWQC-210-Elbow

complex New Primary Antenna

Amount: \$3,950.97

Component Description: KWQC-210-Elbow

complex New Primary Antenna

Amount: \$3,192.00

Component Description: KWQC-210-Elbow

complex New Primary Antenna

Amount: \$3,830.40

Component Description: KWQC Elbow

Complex New Primary Antenna

Amount: \$3,192.00

Sweep test of existing antenna

Component Description: KWQC-210-Sweep

test New Primary

Antenna

Amount: \$1,600.00

Component Description: KWQC-210-Sweep

test New Primary

Antenna

Amount: \$1,280.00

Component Description: KWQC Sweep

Test New Primary

Antenna

Amount: \$1,600.00

Component Description: KWQC-210-Sweep

test New Primary

Antenna

Amount: \$1,920.00

UHF - High Power, Side Mount, basic slot antenna, **Component Description:** UHF - HIGH 1000 kW input, directional,, **POWER SIDE** elliptically or circularly MOUNT polarized \$37,062.50 Amount: **Component Description:** UHF - HIGH **POWER SIDE MOUNT** Amount: \$44,475.00 **Component Description:** UHF - HIGH **POWER SIDE** MOUNT Amount: \$37,062.50 **Component Description: UHF High Power** Side Mount Amount: \$45,881.00 V-Pol Information not provided.

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$64,900.00	\$59,947.19		\$59,922.13	
Flexible Air Transmission Line - dielectric, 3"	\$64,900.00	\$59,947.19	see Estimated Cost Justification KWQC-380- New Interim Transmission Line v2	\$59,922.13	N/A
Primary Transmission Line	\$264,620.00	\$0.00		\$0.00	
Rigid Transmission Line - copper, 6 1/8"	\$264,620.00	\$0.00	see Justifying Quote KWQC-TV DTVPros quote JEHQ1286- 07A	N/A	N/A
Sub-total	\$329,520.00	\$59,947.19	N/A	\$59,922.13	N/A
Total for all systems	\$3,309,649.35	\$2,429,893.59	N/A	\$2,257,365.70	N/A

Components

Actual Information Description	File Name
Flexible Air Transmission Line - dielectric, 3"	

Component Description: KWQC-380-New

Interim

Transmission Line

Amount: \$15,257.66

Component Description: Provide labor,

tools and equipment to unload cable spool at Bettendorf

tower.

Amount: \$975.00

Component Description: KWQC-380-New

Interim

Transmission Line

Amount: \$13,314.16

Component Description: Dehydrator

1000TLS 115V

Amount: \$5,104.69

Component Description: KWQC New

Interim

Transmission Line

Amount: \$11,095.12

Component Description: KWQC New

Interim

Transmission Line

Amount: \$11,095.12

Component Description: AM GROUNDING

KITS (QTY 11 GKFQRM60, QTY

13 RMA-GI)

Amount: \$1,550.33

	Component Description:	3.0" grounding kit w /60" lead, 2 hole
	Amount:	crimp on \$1,530.05
Rigid Transmission Line - copper, 6 1/8"	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 GTOWER	Predetermined Cost Estimate \$223,100.00	Estimated Cost \$202,704.30	Estimated Cost Justification	Actual Cost \$192,117.44	Actual Cost Justification
Tall Tower (greater than 500')	\$210,500.00	\$181,454.30	see Estimated Cost Justification KWQC-410- Rigging existing tower v0	\$177,867.44	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$21,250.00	'Consolidated Engineers 2017-Gray- KWQC-0607- N	\$14,250.00	N/A
Sub-total	\$223,100.00	\$202,704.30	N/A	\$192,117.44	N/A
Total for all systems	\$3,309,649.35	\$2,429,893.59	N/A	\$2,257,365.70	N/A

Components

Description File Nan	ne

500')		
,	Component Description:	city permit,
		supplies
	Amount:	\$444.39
	Component Description:	Tower rigging
		services
	Amount:	\$137,940.10
	Component Description:	Tower Equipment
		and Rigging
	Amount:	\$39,482.95
Structural engineering tower		
oad study for well	Component Description:	Engineering
documented tower		Evaluation
	Amount:	\$7,125.00
	Component Description:	Engineering
		Evaluation
	Amount:	\$7,125.00

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 Co
Outside Professional Services	\$202,504.50	\$189,867.60		\$157,127.60	
Project management of the transition	\$142,200.00	\$137,373.10	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$137,373.10	see submittec invoices
Attorney Fees - Construction Permit Aux Application	\$124.50	\$124.50	Please see Gray KWQC Construction Permit (Aux) Application and Construction Permit (Aux) FCC Filing Fees Budget Justification Letter	\$124.50	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	\$4,500.00	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	\$370.00	N/A

Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$1,258.00	see Estimated Cost Justification KWQC-550- Attorney Fees - Other Matters v0	\$1,258.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$166.00	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$124.50	Please see Gray KWQC License to Cover (Aux), License to Cover (Aux) FCC Filing Fees Budget Justification Letter	\$124.50	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$524.00	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,550.00	see Estimated Cost Justification KWQC-530- RF Eng STA v0	\$1,550.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$1,050.00	N/A

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$675.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$9,187.50	Per Estimated Cost Justification KWQC-530- RF Eng new channel study v2	\$9,187.50	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	\$225.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Sub-total	\$202,504.50	\$189,867.60	N/A	\$157,127.60	N/A
Total for all systems	\$3,309,649.35	\$2,429,893.59	N/A	\$2,257,365.70	N/A

Components

Actual Information Description	File Name	
Project management of the transition	Component Description:	Project Management
	Amount:	\$4,818.50

Component Description:

Project Management

Amount:

\$5,769.55

Component Description:

Project

Amount:

Management \$5,189.50

Component Description:

Project

Amount:

Management \$5,208.75

Component Description:

Project

Amount:

Management

\$5,389.60

Component Description:

Project

Amount:

Management

\$2,718.65

Component Description:

Project

management

\$1,366.05

Component Description:

Project

Amount:

Amount:

management

\$2,876.90

Component Description:

Project Management

Amount:

\$2,315.65

Component Description:

Project

Amount:

Management

\$5,613.70

Component Description: Project

Management

Amount: \$4,115.55

Component Description: Project

Management

Amount: \$2,581.30

Component Description: Project

Management

Amount: \$28.20

Component Description: Project

Management

Amount: \$5,577.40

Component Description: Project

Management

Amount: \$5,800.90

Component Description: Project

Management

Amount: \$1,642.75

Component Description: Project

Management

Amount: \$3,111.30

Component Description: Project

Management

Amount: \$4,943.25

Component Description: Project

management

Amount: \$4,037.85

Component Description:

Project Management

Amount:

\$3,655.90

Component Description:

Project

Amount:

Management \$2,769.20

Component Description:

Project

Amount:

management \$1,276.35

Component Description:

Project

Management \$3,980.65

Component Description:

Project

\$1,928.85

Amount:

Amount:

Management

Component Description:

Project Management

Amount:

\$3,377.30

Component Description:

Project

Amount:

Management

\$4,499.20

Component Description:

Project Management

Amount:

\$1,551.45

Component Description:

Project

Amount:

Management \$2,066.10

Component Description: Project

Management

\$3,377.30 Amount:

Component Description: Project

Management

Amount: \$2,244.80

Component Description: Project

management

Amount: \$2,667.65

Component Description: Project

Management

\$2,364.40 **Amount:**

Component Description: Project

Management

Amount: \$4,216.40

Component Description: Project

Management

Amount: \$1,831.85

Component Description: Project

Management

Amount: \$1,816.25

Component Description:

Project Management

\$2,009.35 Amount:

Component Description:

Project

Management **Amount:**

\$802.25

Component Description: Project

Management

Amount:

\$2,258.25

Component Description: KWQC-510-Project

Management

Amount: \$1,200.00

Component Description: Transition Related

Project

Management Costs

Amount: \$3,000.00

Component Description: Consulting

Engineer

Amount: \$525.00

Component Description: Project

Management

Amount: \$2,033.70

Component Description: Project

Management

Amount: \$1,518.10

Component Description: Project

Management

Amount: \$2,195.70

Component Description: Project

Management

Amount: \$3,558.45

Component Description: Project

Management

Amount: \$1,543.30

Attorney Fees - Construction Permit Aux Application	Component Description: Amount:	For Professional Services Rendered \$124.50
RF Exposure Measurements	Component Description: Amount:	RFR survey of Bettendorf Tower Site all inclusive \$4,500.00
Attorney Fees - Prepare and File request for Special Temporary Authorization	Component Description: Amount:	KWQC-550- Attorney Fees STA \$370.00
Attorney Fees - Negotiation of lease and other matters for shared locations	Component Description: Amount:	For Professional Services Rendered \$1,036.00
	Component Description: Amount:	Total Professional Services \$222.00
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	KWQC-550- Attorney Fees 2100 license to cover \$166.00
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Component Description: Amount:	For Professional Services Rendered \$124.50

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description:	Research loss area consideration for CP application
	Amount:	\$327.50
	Component Description:	File 2100 CP
	Amount:	application \$196.50
Prepare request for Special		
Temporary Authorization	Component Description:	Interim operation on pre-auction Ch-
	Amount:	36 \$1,025.00
	Component Description:	KWQC-530-RF
	Amount:	Eng STA \$525.00
Prepare engineering		
section of FCC Form 2100 (main), License to Cover Application	Component Description:	KWQC-530-RF Eng 2100 license
рриодион	Amount:	to cover \$800.00
	Component Description:	KWQC-530-RF
		Eng 2100 license to cover
	Amount:	\$250.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit	Component Description:	Consulting
Application	Amount:	Engineer \$675.00
Perform engineering study for new channel assignment and antenna		

Component Description: REview

prospective

reconfiguration and reposition of FM station antenna

Amount: \$437.50

Component Description: RF Consulting fee

Amount: \$562.50

Component Description: KWQC-530-RF

Eng new channel

study

Amount: \$200.00

Component Description: Consulting

Engineer

Amount: \$1,550.00

Component Description: KWQC-530-RF

Eng new channel study- \$650.00

\$650.00

Component Description: KWQC-530-RF

Eng new channel

study

Amount: \$225.00

Amount:

Component Description: Antenna

configuration and develop final ERP and parameters for

initial CP

application

Amount: \$3,512.50

	Component Description: Amount:	Perform engineering study for new channel assignment \$1,850.00
	Component Description: Amount:	Repack Ch-17 remarks regarding antenna proposals \$200.00
Address transition timing and coordination issues w/ other stations and wireless	Component Description: Amount:	Various discussions regarding KWQC- TV's transition and upstream dependency with WAND/Decatur \$225.00
Prepare and or review reimbursement form	Information not provided.	

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$128,018.95	\$115,763.95		\$87,202.09	
Disposal Costs (for equipment and other waste, net of any salvage value)	\$16,050.00	\$16,050.00	N/A	\$14,210.31	N/A
Reimbursable Sales Taxes	\$49,807.95	\$49,807.95	***System Notice: Estimate adjusted and locked because line has been superseded. ***	\$48,547.17	N/A
License to Cover Aux FCC Filing Fees	\$335.00	\$335.00	Please see Gray KWQC License to Cover (Aux), License to Cover (Aux) FCC Filing Fees Budget Justification Letter	\$335.00	N/A

Non-zoning permits	\$7,541.00	\$7,541.00	N/A	\$5,572.50	N/A
Equipment Delivery and Handling Charges	\$11,935.00	\$11,935.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***	\$11,632.11	N/A
Develop and air announcement of upcoming channel change	\$5,000.00	\$5,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$2,000.00	\$2,000.00	see Estimated Cost Justification KWQC-610- MVPD Notifications v0	\$2,000.00	N/A
Permit Aux FCC Filing Fees	\$1,110.00	\$1,110.00	Gray KWQC Construction Permit (Aux) Application and Construction Permit (Aux) FCC Filing Fees Budget Justification Letter		

FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$600.00	see Estimated Cost Justification KWQC-610- STA FCC Filing Fees v1	\$600.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$335.00	see Estimated Cost Justification KWQC-610- License to Cover FCC Filing Fees v0	\$335.00	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$2,860.00	N/A	\$2,860.00	N/A
AM Pattern Disturbance Remedy	\$21,050.00	\$17,120.00	N/A	N/A	N/A
Sub-total	\$128,018.95	\$115,763.95	N/A	\$87,202.09	N/A
Total for all systems	\$3,309,649.35	\$2,429,893.59	N/A	\$2,257,365.70	N/A

Components

Actual Information	
Description	File Name

Disposal Costs (for equipment and other waste, **Component Description:** Vendor Credit net of any salvage value) KWQC-610-**Disposal Costs** (\$851.88) Amount: **Component Description:** KWQC-610-**Disposal Costs** Amount: \$5,617.50 **Component Description:** 1 Waste Container 20 Cu Yd Amount: \$617.19 **Component Description:** KWQC-610-**Disposal Costs** Amount: \$8,827.50 **Component Description:** Invoice being resubmitted to correct invoice errors Amount: N/A Reimbursable Sales Taxes **Component Description:** Vendor Credit -KWQC-610-Reimbursable Taxes (\$1,260.78)Amount: KWQC-610-**Component Description:** Reimbursable Taxes

Amount:

\$49,807.95

License to Cover Aux FCC Filing Fees	Component Description:	KWQC-610- License to Cover Aux FCC Filing
	Amount:	Fees \$335.00
Construction Permit Aux FCC Filing Fees	Component Description:	KWQC-610- Construction
	Amount:	Permit (Aux) FCC Filing Fees \$1,110.00
MVPD Notification of Channel Change	Component Description: Amount:	Flat Fee \$2000. \$2,000.00
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Delivery and Handling Charges	Component Description:	Vendor Credit - KWQC-610-
	Amount:	Equipment Delivery (\$302.89)
	Component Description:	KWQC-610- Equipment Delivery
	Amount:	\$11,935.00
Non-zoning permits	Component Description:	KWQC-610-Non-
	Amount:	zoning permits \$5,572.50

FCC Filing Fees - Special Temporary Authorization	Component Description:	KWQC-610-STA
request		FCC Filing Fees
	Amount:	\$200.00
	Component Description:	Total Professional
		Services
	Amount:	\$200.00
	Component Description:	Professional
		Services
	Amount:	\$200.00
FCC Filing Fees - Form		
2100 license to cover	Component Description:	KWQC-610-
application		License to Cover
		FCC Filing Fees
	Amount:	\$335.00
FCC Filing Fees - Form	Information not provided.	
application		
OTV Medical Facility Notification		
Nouncation	Component Description:	Project
		Management
	Amount:	\$2,860.00
AM Pattern Disturbance Remedy	Information not provided.	

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,309,649.35	\$2,429,893.59	\$2,257,365.70

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

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. Robert Folliard , III

Assistant Secretary

01/22/2021

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. Robert Folliard , III

Assistant Secretary

01/22/2021

Attachments