

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 25577 Service: DTV Call KESQ-TV Channel: 28 (UHF)

ID:

Sign:

01/08

File **0000027107**

Number:

FRN: **0001590330** Date

Submitted: /2019

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
GULF-CALIFORNIA BROADCAST COMPANY Doing Business As: News- Press & Gazette Company	825 Edmond St. Saint Joseph, MO 64501 United States	+1 (816) 271- 8505	tim. hannan@npgco. com	Corporation

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

The Preparer is same as the reimbursement contact.

Broadcaster Information and Transition Plan Question Response

Will the station be sharing equipment with	Yes
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.	

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Briefly describe transition plan

PERFORM STRUCTURAL ON TOWER AND REINFORCE TOWER AS NEEDED TO MEET REV-G. INSTALL TEMPORARY ANTENNA AND CONNECT EXISTING TRANSMITTER. REMOVE TRANSMISSION SYSTEM AND REPLACE WITH NEW ONE. SWEEP AND TEST SYSTEM. REMOVE OLD TRANSMITTER AFTER CUT OVER.

Transmitters

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

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	LX2000
	Year	2005
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	2 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	ULXTE-16
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	10.8 kW
	Justification for New Transmitter	UBS, WHICH OWNS THE IP FORMERLY HELD BY THE MANUFACTURER (AXCERA, WHICH NO LONGER EXISTS), HAS INDICATED THAT THE EXISTING TRANSMITTER CANNOT PRODUCE THE NECESSARY POWER TO MEET THE NEW LICENSE, AND IT MUST BE REPLACED.

Primary Transmitter

Other Transmitter Costs

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

Primary
Transmitter Unformation not provided.

Other Transmitter Cost Not Listed

Antennas

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

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Тор
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	42.0 kW

Manufacturer	
Model	SFN-2030- D-1
Year	2005

Primary Antenna

New Antenna Costs

Section	Question	Response
New Antenna	Use	Primary (Main)
Description	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?	Yes
	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	Broadband Slot
	Number of Stations Supported	4
	Number of Panels/Bays	8
		470.00 MHz
	Upper Limit	700.00 MHz
	Design power capacity in use	50.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	42.0 kW
	Manufacturer	
	Model	SBB-E-8C170
	Year	2018

Justification for New Antenna	EXISTING
	ANTENNA
	TUNED TO
	CHANNEL 42
	AND
	CANNOT BE
	TUNED TO
	NEW
	FREQUENCY.
	MUST
	REPLACE
	WITH NEW
	ANTENNA
	ON
	ASSIGNED
	FREQUENCY.

Primary Antenna

Other Antenna Costs

Combiner for Shared Antenna? Do you need a Combiner for a Shared Antenna? Yes Elbow Complex Type New Do you need a combiner supported RF channel Frequency N/A Do you need a combiner output splitter /switcher for dual feed lines? No Elbow Complex Do you require the separate purchase of the Elbow Complex? N/A 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? No Pattern Scatter Analysis Do you require separate purchase of pattern scatter analysis for a side mount No	Section	Question	Response
Number of channels supported Frequencies of channels supported Frequency N/A Do you need a combiner output splitter /switcher for dual feed lines? Do you require the separate purchase of the Elbow Complex? 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		_	Yes
Frequencies of channels supported RF channel Frequency N/A Do you need a combiner output splitter /switcher for dual feed lines? Do you require the separate purchase of the Elbow Complex? 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		Туре	New
Frequency Do you need a combiner output splitter /switcher for dual feed lines? Do you require the separate purchase of the Elbow Complex? 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		Number of channels supported	4
Do you need a combiner output splitter /switcher for dual feed lines? Do you require the separate purchase of the Elbow Complex? 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		Frequencies of channels supported	RF channel
Switcher for dual feed lines? Do you require the separate purchase of the Elbow Complex? Broadband or Single Channel? N/A		Frequency	N/A
the Elbow Complex? 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			No
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	Elbow Complex		No
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		Broadband or Single Channel?	N/A
side mount brackets for a high power antenna? Pattern Scatter Analysis Do you require separate purchase of pattern scatter analysis for a side mount		Feed Line Size	N/A
pattern scatter analysis for a side mount	Side Mount Brackets	side mount brackets for a high power	No
high or medium power antenna?	Pattern Scatter Analysis		No

Sweep Test	Do you require the sweep testing of	Yes
	transmission line and antenna?	

Enter a list of RF channel numbers.

RF Channel Number		
28		
18		
20		
33		

Primary Antenna

Other Antenna Cost Not Listed

Information not provided.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna	Class	Class A
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Broadband Panel
	Number of Stations Supported	2
	Number of Panels/Bays	8
	Lower Limit	470.00 MHz
	Upper Limit	872.00 MHz
	Design power capacity in use	50.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	20.8 kW
	Manufacturer	
	Model	750 10402
	Year	2018

Justification for New Antenna	INTERIM
	ANTENNA IS
	REQUIRED
	TO
	FACILITATE
	ONGOING
	OPERATIONS
	AS TOWER
	WORK, NEW
	FEED LINE
	AND NEW
	ANTENNA IS
	INSTALLED.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	New
	Number of channels supported	2
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	No
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

Enter a list of RF channel numbers.

RF Channel Number		
42		
39		

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 Line

Existing Transmission Line

n Line Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Туре	Rigid
	Diameter	3 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	160 feet per run

Primary Transmis

New Transmission Line

ission	Section	Question	Response
	New Transmission Line	Use	Primary (Main)
	Costs	Description of Use	N/A
		Change Type	Purchase New
		Is this a request for upgraded equipment?	Yes
		Туре	Flexible Air
	Other Diameter Segment Length Other Segment Length Number of parallel runs	Diameter	3 inches
		Other Diameter	N/A
		Segment Length	N/A
		Other Segment Length	N/A
		Number of parallel runs	1
		Length	130 feet per run
		Justification for New Transmission Line	EXISTING RIGID LINE DOES NOT SUPPORT THE NEWLY ASSIGNED FREQUENCY.

Primary Other Transmission Line Expenses Not Listed

Transmission loine tion not provided.

Interim

New Transmission Line

Transmissio	n Line Seimon	Question	Response
	New Transmission Line Costs	Use	Interim
		Description of Use	N/A
		Change Type	Purchase New
		Туре	Flexible Air
		Diameter	1 5/8 inches
		Segment Length	N/A
		Other Segment Length	
		Number of parallel runs	1
		Length	200 feet per run
		Justification for New Transmission Line	NEED BACK UP LINE AS EXISTING LINES WILL BE REMOVED AND NEW RIGID LINE

WILL BE
INSTALLED.
INTERIM
ANTENNA
NEEDS TO
OPERATE
WHILE
NEW
ANTENNA
SYSTEM IS
INSTALLED

AND TESTED. **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

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)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	Unknown
	Is tower compliant with Rev G?	No
Existing Tower Structure	Do you have a tower registration number?	Yes
Registration	ASR Number	1220472
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	33° 51' 58.1" N-
	Longitude (NAD83)	116° 26' 05.0" W-
	Overall Structure Height	88.91 feet
	Support Structure Height	60.04 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1555.10 fee

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Gulf- California Broadcast Co
Date Constructed	09/23/1968

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
51207	KDFX-CD	DTV

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:	Minor 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	595
	Explanation	Please see attached quote from Widelity.
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	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No

For Main Facility Prepare request for Special Temporary Authority Quantity 1 NEPA Section 106 environmental review No Environmental Assessment No ASR Modification No FAA Consultation (including preparation of FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers RF Field Engineering Services Comprehensive coverage verification via field study RF exposure measurements Yes Additional Field Engineering Service No Number of Days Justification N/A			
Authority Quantity 1 NEPA Section 106 environmental review No Environmental Assessment No ASR Modification FAA Consultation (including preparation of FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers RF Field Engineering Services Comprehensive coverage verification via field study RF exposure measurements Yes Additional Field Engineering Service No Number of Days N/A		For Main Facility	Yes
NEPA Section 106 environmental review Environmental Assessment No ASR Modification FAA Consultation (including preparation of FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers RF Field Engineering Services Comprehensive coverage verification via field study RF exposure measurements Yes Additional Field Engineering Service No Number of Days			Yes
Environmental Assessment No ASR Modification No FAA Consultation (including preparation of FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers RF Field Engineering Services Comprehensive coverage verification via field study RF exposure measurements Yes Additional Field Engineering Service No Number of Days No		Quantity	1
ASR Modification No FAA Consultation (including preparation of FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers Comprehensive coverage verification via field study RF exposure measurements Yes Additional Field Engineering Service No Number of Days No		NEPA Section 106 environmental review	No
FAA Consultation (including preparation of FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers RF Field Engineering Services Comprehensive coverage verification via field study RF exposure measurements Yes Additional Field Engineering Service No Number of Days		Environmental Assessment	No
FAA Form 7460) Negotiation of Lease and other Matter for Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers RF Field Engineering Services Comprehensive coverage verification via field study RF exposure measurements Yes Additional Field Engineering Service No Number of Days N/A		ASR Modification	No
Shared Locations Prepare or Review FCC Form 399 for Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers Comprehensive coverage verification via field study RF exposure measurements Yes Additional Field Engineering Service No Number of Days N/A			No
Reimbursement Address transition timing and coordination issues w/ other stations and wireless providers Comprehensive coverage verification via field study RF exposure measurements Additional Field Engineering Service No Number of Days N/A		_	No
issues w/ other stations and wireless providers Comprehensive coverage verification via field study RF exposure measurements Additional Field Engineering Service No Number of Days N/A		•	Yes
field study RF exposure measurements Additional Field Engineering Service No Number of Days N/A		issues w/ other stations and wireless	Yes
Additional Field Engineering Service No Number of Days N/A		_	No
Number of Days N/A		RF exposure measurements	Yes
		Additional Field Engineering Service	No
Justification N/A		Number of Days	N/A
		Justification	N/A

Outside Professional

Other Professional Services Expenses Not Listed

l Services Costs	Description
Additional Repack Legal Services Not Otherwise Specified in Form 399	Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees.

Other Expenses

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

Other Expenses Not Listed

Expenses Information not provided.

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
Primary Transmitter ULXTE-16	\$508,900.00	\$212,498.02		\$136,205.46	
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,000.00	N/A	\$6,500.00	N/A
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$199,498.02	GatesAir invoice US0319019	\$129,705.46	N/A
Sub-total	\$508,900.00	\$212,498.02	N/A	\$136,205.46	N/A
Total for all systems	\$1,214,208.64	\$760,962.60	N/A	\$302,986.90	N/A

Components

Actual Information Description	File Name	
Service entrance 3 phase /800 amp/208 volt	Component Description: Amount:	Electrical service entrance \$6,500.00

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW

Component Description:

Amount:

ULXTE-16 \$64,719.55

Component Description:

ULXTE-16 Transmitter

Amount:

Amount:

\$266.36

Component Description:

ULXTE-16 Transmitter

\$64,719.55

Antennas

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

Description Interim	Predetermined Cost Estimate \$101,010.00	Estimated Cost \$26,420.28	Estimated Cost Justification	Actual Cost \$6,241.38	Actual Cost Justification
Antenna 750 10402	,	, ,		. ,	
New combiner, cost per channel (without antenna)	\$84,200.00	\$13,628.90	Please see the Kathrein quote 20180490- 2 and attached narrative for details.	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,550.00	N/A	\$0.00	N/A
UHF - Lower Power Side Mount, Class A broadband panel (cost per panel)	\$10,080.00	\$6,241.38	Please see the Kathrein quote 20180490- 2 and attached narrative for details.	\$6,241.38	N/A
UHF – Broadband Panel, Side Mount Auxiliary /Interim, 21 horizontally polarized	\$0.00	\$0.00	PHANTOM ANTENNA	N/A	N/A
Primary Antenna SBB-E-8C170	\$140,428.64	\$87,491.02		\$3,000.00	

Sweep test of existing antenna	\$6,730.00	\$6,000.00	Please see quote from RFS antennas 20067492 / 05/08/2018 / QT-EN and attached narrative for details.	\$3,000.00	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$31,992.38	KESQ 50% portion cost of the combiner. Please see quote from RFS antennas 20067492 and attached narrative for details.	N/A	N/A
UHF - High Power, Side Mount, basic slot antenna, 8 bay,, 42 kW input, directional,, elliptically or circularly polarized	\$49,498.64	\$49,498.64	Please see attached quote # 20067492 from RFS and attached narrative for details.	\$0.00	N/A
Sub-total	\$241,438.64	\$113,911.30	N/A	\$9,241.38	N/A
Total for all systems	\$1,214,208.64	\$760,962.60	N/A	\$302,986.90	N/A

Components

Actual Information Description	File Name
New combiner, cost per channel (without antenna)	Information not provided.

Sweep test of existing antenna	Information not provided.	
UHF - Lower Power Side Mount, Class A broadband panel (cost per panel)	Component Description:	UHF TV Combiner System tuned for Narrowband inputs
	Amount:	\$6,241.38
UHF – Broadband Panel, Side Mount Auxiliary /Interim, 21 horizontally polarized	Information not provided.	
Sweep test of existing antenna	Component Description:	Sweep transmission line
	Amount:	and antenna \$3,000.00
New combiner, cost per channel (without antenna)	Information not provided.	
UHF - High Power, Side Mount, basic slot antenna, 8 bay,, 42 kW input, directional,, elliptically or circularly polarized	Information not provided.	

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	\$6,600.00	\$6,200.00		\$0.00	
Flexible Air Transmission Line - dielectric, 1 5 /8"	\$6,600.00	\$6,200.00	N/A	N/A	N/A
Primary Transmission Line	\$7,670.00	\$4,775.78		\$0.00	
Flexible Air Transmission Line - dielectric, 3"	\$7,670.00	\$4,775.78	Please see quote from RFS antennas 20067492 / 05/08/2018 / QT-EN and attached narrative for details.	N/A	N/A
Sub-total	\$14,270.00	\$10,975.78	N/A	\$0.00	N/A
Total for all systems	\$1,214,208.64	\$760,962.60	N/A	\$302,986.90	N/A

Components

Information not provided.

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	Predetermined Cost Estimate \$268,500.00	Estimated Cost \$255,000.00	Estimated Cost Justification	Actual Cost \$127,500.00	Actual Cost Justification
TOWER	\$200,300.00	Ψ233,000.00		\$127,300.00	
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	\$75,000.00	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$25,000.00	N/A	\$12,500.00	N/A
Short Tower (less than 500')	\$84,200.00	\$80,000.00	Antenna system installation (short tower)	\$40,000.00	N/A
Sub-total	\$268,500.00	\$255,000.00	N/A	\$127,500.00	N/A
Total for all systems	\$1,214,208.64	\$760,962.60	N/A	\$302,986.90	N/A

Components

Actual Information	
Description	File Name

Minor tower reinforcement /modifications	Component Description: Amount:	Minor tower reinforcements \$75,000.00
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Component Description: Amount:	Tower mapping for undocumented tower \$12,500.00
Short Tower (less than 500')	Component Description: Amount:	Antenna system installation (short tower) \$40,000.00

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
Outside Professional Services	\$150,770.00	\$146,862.50		\$30,040.06	
Project management of the transition	\$94,010.00	\$99,675.00	Please see attached quote from Widelity.	\$19,035.20	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$500.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,250.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$2,687.50	du Treil invoice 242314	\$2,687.50	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$1,500.00	N/A	\$1,500.00	N/A

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$500.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	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	\$3,666.36	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 request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$20,500.00	N/A	N/A	N/A
Additional Repack Legal Services Not Otherwise Specified in Form 399	\$5,000.00	\$5,000.00	N/A	\$2,651.00	N/A
Sub-total	\$150,770.00	\$146,862.50	N/A	\$30,040.06	N/A

Total for all	\$1,214,208.64	\$760,962.60	N/A	\$302,986.90	N/A
systems					

Components

Actual Information Description	File Name	
Project management of the transition	Component Description: Amount:	Project Management \$4,122.75
	Component Description: Amount:	Project Management \$1,037.80
	Component Description: Amount:	Project Management \$7,223.65
	Component Description: Amount:	Cost Reconciliation \$5,071.20
	Component Description: Amount:	Project Managment \$1,579.80
Prepare and or review reimbursement form	Component Description: Amount:	CA Palm Springs- Professional Services \$500.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	

Perform engineering study for new channel assignment and antenna	Component Description:	Professional Services
development	Amount:	\$500.00
	Component Description:	Professional
		Services
	Amount:	\$1,250.00
	Component Description:	Engineering study work for new channel assignment an antenna
	Amount:	development. \$875.00
	Component Description:	Engineering study work for new channel assignment and antenna development.
	Amount:	\$62.50
Prepare engineering		
section of FCC Form 2100 (main), Construction Permit Application	Component Description:	Engineering study work for new channel assignment and antenna development.
	Amount:	\$1,500.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	

and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Repack filing and services 2017 \$1,375.00
	Component Description:	General repack services 2017. See "Repack Invoices Cover Memo"
	Amount:	\$2,291.36
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
RF Exposure Measurements	Information not provided.	
Additional Repack Legal Services Not Otherwise	Component Description:	Repack Legal
Specified in Form 399	Component Description.	Services
	Amount:	\$27.84
	Component Description:	Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non- catalog legal fees.
	Amount:	\$37.12
	Component Description:	Repack legal services
		301 11003

Component Description: Repack legal

services

Amount: \$603.20

Component Description: Repack legal

services

Amount: \$46.40

Component Description: Repack legal

services

Amount: \$244.70

Component Description: Repack legal

services

Amount: \$371.20

Component Description: Repack legal

services

Amount: \$1,187.20

Component Description: Repack Legal

Services

Amount: \$27.84

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 Cos Justification
Other Expenses	\$30,330.00	\$21,715.00		\$0.00	
MVPD Notification of Channel Change	\$2,500.00	\$2,500.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	\$750.00	\$750.00	N/A	N/A	N/A
Equipment Storage	\$3,500.00	\$3,500.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$3,500.00	\$3,500.00	N/A	N/A	N/A
Local Zoning	\$5,500.00	\$5,500.00	COST FOR DRAFTING, SUBMISSION AND FILING FEES FOR NECESSARY BUILDING PERMITS ASSOCIATED WITH TOWER MODIFICATIONS.	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A

Total for all	\$1,214,208.64	\$760,962.60	N/A	\$302,986.90	N/A
Sub-total	\$30,330.00	\$21,715.00	N/A	\$0.00	N/A
to cover application					
2100 license					
Fees - Form					
FCC Filing	\$335.00	\$325.00	N/A	N/A	N/A
Facility Notification					
DTV Medical	\$11,550.00	\$2,950.00	N/A	N/A	N/A
Delivery and Handling Charges					
Equipment	\$2,500.00	\$2,500.00	N/A	N/A	N/A

Components

Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$1,214,208.64	\$760,962.60	\$302,986.90

Reimbursem	entestiatus	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. James W.
DeChant
VP of
Technology

01/08/2019

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. James W.
DeChant
VP of
Technology

01/08/2019

Attachments