

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

59014 Service: DTV Facility Call **KOAA-TV** Channel: 25 (UHF) Sign:

ID:

File 0000028162

Number:

FRN: **0002710192** Date 04/15

> Submitted: /2019

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
SANGRE DE CRISTO COMMUNICATIONS, LLC Doing Business As: SANGRE DE CRISTO COMMUNICATIONS, LLC	CHIEF ENGINEER 2200 7TH AVENUE PUEBLO, CO 81003 United States	+1 (719) 544- 5781	qh@koaa. com	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
Quentin Henry	Quentin Henry	+1 (719) 671-	qh@koaa.
Chief Engineer	2200 7th	9013	com
Sangre de Christo Communications,	Avenue		
LLC	Pueblo, CO		
	81003		
	United States		

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	Continue operation on existing tower, transmission line and antenna. Build a new tower and install new transmission line and antenna. Modification of the existing tower is more expensive than the new tower construction.

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	SigmaCD
	Year	2004
	Туре	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	23.6 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-50
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	31.7 kW
	Justification for New Transmitter	Existing transmitter will not retune to new frequency.

Primary Transmitter

Other Transmitter Costs

	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	4. inches
	Length	200.0 feet
	Other Electrical Service	Yes

	Description	The replacement of power company pole transformers and power lines between power pole transformers and the building is needed to accommodate the added load during the transition period.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	10 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Old transmitter DE-INSTALL	DE-INSTALL of old transmitter and all associated equipment.

Antennas

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

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Middle
	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)	880.0 kW

Manufacturer	
Model	TFU 24DSB C270 (SP) (C)
Year	2006

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?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	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	
		1

Model	TFU-23JSC /VP-R C270 D25 PER C- 70120-4
Year	2017
Justification for New Antenna	The existing antenna can not be re tuned to the new frequency.

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	4 1/16 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

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

on 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
Existing Transmission Line Manufacturer and Type	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
	Manufacturer	
	Туре	Rigid
	Diameter	4 1/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	260 feet per run

New Transmission Line

Primary Transmission

Section	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?	No
	Туре	Rigid
	Diameter	4 1/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	22
	Length	20 feet per run
	Justification for New Transmission Line	Both transmitters have to be on the air at the same time for the transition period. Continued operation of current transmitter on current tower, and new transmitter on new tower.

Other Transmission Line Expenses Not Listed

Primary
Transmission of 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	Type of change	Construct New
Description	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Terrain Constrained
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	38° 44' 42.0" N-
	Longitude (NAD83)	104° 51' 41.0" W-
	Overall Structure Height	220.00 feet
	Support Structure Height	150.00 feet
	Ground Elevation Above Mean Sea Level (AMSL)	9430.00 feet

Tower Owner Cheyenne	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Propagation	Tower Owner	Cheyenne Propagation
Date Constructed 06/01/1978	Date Constructed	06/01/1978

Primary Tower

Tower Construction Costs

Section	Question	Response
Construct New Tower	Use	Primary (Main)
	Description of Use	N/A
	Is this a request for upgraded equipment?	No
	Height	199.00 feet
	Justification for New Tower	New tower construction cost less than modifications needed to the existing 1978 tower.

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Terrain constrained
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?	No
	Number of Hours	N/A
	Explanation	N/A
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	No
	Quantity	N/A
	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	Yes

	Prepare request for Special Temporary Authority	Yes
	Quantity	1
_	NEPA Section 106 environmental review	Yes
	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	No
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Professional S

Other Professional Services Expenses Not Listed

Description
coverage mapping of new channel assignment and equipment
Entravision in Denver wants to be placed on channel 28. This move forces KOAA to move to channel 25. Co-channel to channel 24 KRDO. Additional studies are required.
Tower load analysis and deign for new tower

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	No
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	No
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	No
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	No
	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 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 Cos Justificatio
Primary Transmitter ULXTE-50	\$1,125,715.43	\$1,148,110.43		\$723,489.75	
Old transmitter DE-INSTALL	\$18,280.85	\$18,280.85	DE-INSTALL of the old transmitter, lines, electrical power supplies, and all associated equipment to a staging area for disposal.	\$18,280.85	N/A
Other Electrical Service: The replacement of power company pole transformers and power lines between power pole transformers and the building is needed to accommodate the added load during the transition period.	\$65,000.00	\$65,000.00	replacing transformers, feedline to building, and pole install.	N/A	N/A
4." Rigid Conduit and Wiring	\$12,000.00	\$12,000.00	N/A	N/A	N/A

Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$0.00	Colorado Springs Utility is not charging for this "Transformer 3 phase/480V- 300KVA" upgrade. This expense went from \$35,850.00 to \$0	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$67,479.00	Both transmitters must be ran on the same electrical service at the same time, requiring added capacity	\$46,332.00	N/A
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	\$902,134.58	\$902,134.58	Maximized from the Entravision displacement of KOAA to channel 25 from FCC assigned repack channel 28.	\$612,660.90	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$46,216.00	Both transmitters must be ran on the same electrical service at the same time requiring additional capacity. predetermined values are correct now	\$46,216.00	N/A

10 Ton system	\$38,900.00	\$37,000.00	N/A	N/A	N/A
Sub-total	\$1,125,715.43	\$1,148,110.43	N/A	\$723,489.75	N/A
Total for all systems	\$2,676,766.58	\$2,309,335.72	N/A	\$1,402,388.54	N/A

Components

Actual Information Description	File Name	
Old transmitter DE-INSTALL	Component Description: Amount:	Deinstall of CD3070p1. Includes canceled check showing payment made. \$18,280.85
	Component Description: Amount:	De-install of Sigma CD Transmitter model CD3070P1. Now includes a cancelled check for proof of payment. \$18,280.85
Other Electrical Service: The replacement of power company pole transformers and power lines between power pole transformers and the building is needed to accommodate the added load during the transition period.	Information not provided.	
4." Rigid Conduit and Wiring	Information not provided.	
Transformer 3 phase/480v - 300 KVA	Information not provided.	

Switchgear - industrial 800		
amp	Component Description:	partial invoicing
		and payment of
		switch gear at
		KOAA 6236
		Transmitter Lane
	A	Site.
	Amount:	\$12,718.00
	Component Description:	partial invoicing &
		payment for
		switchgear at
		KOAA 6236
		Transmitter Lane
	Amount:	Site \$33,614,00
	Amount.	\$33,614.00
	Component Description:	Switch Gear for
		transmitter project
	Amount:	\$12,718.00
	Component Description:	Switch gear for
		transmitter project.
	Amount:	\$33,614.00
UHF - Liquid Cooled Solid		
State Transmitter 31.7 kW	Component Description:	1/3 payment on
		ULXTE-50
		Transmitter prior
	A	to shipment
	Amount:	\$309,426.19
	Component Description:	1/3 down
	Jempenon Booonphon	payment on
		ULXTE-50
		Transmitter
		Transmitter package

Service entrance 3 phase 800 amp/208 volt	Component Description:	Install new
	·	electrical service
		for transmitter.
	Amount:	\$5,922.00
	Component Description:	1 of 2 invoices for
		service of KOAA
		6236 Transmitter
		lane site
	Amount:	\$5,922.00
	Component Description:	1 of 2 invoices for
	Component Description.	service on KOAA
		6236 Transmitter
		Lane site
	Amount:	\$40,294.00
	Component Description	Install new
	Component Description:	electric service for
		transmitter.
	Amount:	\$40,294.00
		ψ10,207.00
10 Ton system	Information not provided.	

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
Primary Antenna TFU-23JSC /VP-R C270 D25 PER C- 70120-4	\$272,377.10	\$269,159.10		\$204,909.40	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	\$9,570.00	\$8,592.00	N/A	N/A	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$21,500.00	N/A	N/A	N/A
UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, elliptically or circularly polarized	\$227,667.10	\$227,667.10	Previous antenna could not be retuned to new frequency.	\$204,909.40	N/A
Sub-total	\$272,377.10	\$269,159.10	N/A	\$204,909.40	N/A
Total for all systems	\$2,676,766.58	\$2,309,335.72	N/A	\$1,402,388.54	N/A

Components

Actual Information Description	File Name
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
Sweep test of existing antenna	Information not provided.
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	Information not provided.

Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	
UHF - High Power, Side Mount, basic slot antenna, 1000 kW input, directional,, elliptically or circularly polarized	Component Description:	2nd 45% payment prior to shipment on antenna purchase.
	Amount:	\$102,454.70
	Component Description:	UHF antenna and accessories-45% deposit with order
	Amount:	\$102,454.70

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$62,480.00	\$55,047.60		\$0.00	
Rigid Transmission Line - copper, 4 1 /16"	\$62,480.00	\$55,047.60	N/A	N/A	N/A
Sub-total	\$62,480.00	\$55,047.60	N/A	\$0.00	N/A
Total for all systems	\$2,676,766.58	\$2,309,335.72	N/A	\$1,402,388.54	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	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower GTOWER	\$0.00	\$0.00		\$0.00	
Primary Tower	\$970,748.00	\$549,748.00		\$333,838.80	
New tower	\$549,748.00	\$549,748.00	Additional \$16,000 added due to increase price for foundation installation.	\$333,838.80	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$0.00	N/A	N/A	N/A
Sub-total	\$970,748.00	\$549,748.00	N/A	\$333,838.80	N/A
Total for all systems	\$2,676,766.58	\$2,309,335.72	N/A	\$1,402,388.54	N/A

Components

Actual Information	
Description	File Name

New tower		
	Component Description:	One invoice of many for this line. This specifically is for structural analysis & report, add'l loading configurations &
	Amount:	PE sealed docs \$5,100.00
	Component Description:	30% pmt. 60 days from date of order for tower and installation. Includes 30% on deposit increase also.
	Amount:	\$166,731.90
	Component Description:	30% deposit with order of replacement tower.
	Amount:	\$157,131.90
	Component Description:	One of several invoices for this line. This is specific for geotechnical survey & report with
	Amount:	reimbursement of \$4875 being requested. \$4,875.00
Complex Tower (includes, for example, those with candelabras and/or stacked	Information not provided.	

Outside Professional Services

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

Description Outside	Predetermined Cost Estimate \$224,711.05	Estimated Cost \$267,095.59	Estimated Cost Justification	Actual Cost \$140,150.59	Actual Co Justificati
Professional Services	\$224,711.05	\$267,095.59		\$140,150.59	
Prepare and or review reimbursement form	\$2,630.00	\$22,253.30	repack processes due to FCCs request for KOAA to repack a second time due to channel 14 Denver being assigned to Entravision.	\$22,253.30	This may be the fir for this section Costs an coming much hig than origi estimate various issues includin amendme to the
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$7,223.80	Original estimate was low, but now corrected.	\$7,223.80	Actuals a coming due to addition studies needed to FAA determina request
New Tower design analysis	\$6,000.00	\$6,000.00	Engineering analysis of tower loading and design of the new tower.	\$0.00	due to mountai terrain act is coming higher th origina estimat

		000		000	
KOAA repack	\$60,328.55	\$60,328.55	Additional	\$60,328.55	addition invoices
28 to repack 25 by Entravision			consulting		be adde
by Entravision			engineering expense due		this
			to Entravision		estimate
					cost line
			wanting to		
			occupy the		\$50,000
			KOAA repack		this is on
			channel 28.		severa
			That would		
			displace		
			KOAA to		
			channel 25		
			that is co-		
			channel to		
			KRDO 24.		
Engineering	\$16,582.50	\$16,582.50	Under	\$16,582.50	An addition
study			estimated		surve
·			consulting		needed
			engineering		tower
			services		installati
			needed for		construct
			further review		
			of feasibility to		
			remain on		
			Channel 30.		
ASR	\$2,105.00	\$2,032.60	The original	\$2,032.60	N/A
modification	Ψ2,100.00	ΨΞ,00Ξ.00	predetermined	Ψ2,002.00	14//
prepare FCC			•		
(propare r oo			COST WAS		
Form 854)			cost was		
Form 854)			incorrect, it is		
Form 854)					
, 	\$6,310.00	\$6,318.00	incorrect, it is	\$6,318.00	Actual co
NEPA Section	\$6,310.00	\$6,318.00	incorrect, it is correct now.	\$6,318.00	
NEPA Section	\$6,310.00	\$6,318.00	incorrect, it is correct now. NEPA study	\$6,318.00	came in
NEPA Section 106 environmental	\$6,310.00	\$6,318.00	incorrect, it is correct now. NEPA study for the new	\$6,318.00	came in little mo
NEPA Section 106 environmental review, if	\$6,310.00	\$6,318.00	incorrect, it is correct now. NEPA study for the new tower	\$6,318.00	came in little mo than orig
NEPA Section 106 environmental review, if	\$6,310.00	\$6,318.00	incorrect, it is correct now. NEPA study for the new tower construction	\$6,318.00	came in little mo than orig estimat
NEPA Section 106 environmental review, if	\$6,310.00	\$6,318.00	incorrect, it is correct now. NEPA study for the new tower construction located 50	\$6,318.00	came in little mo than orig estimat based o
NEPA Section 106 environmental review, if	\$6,310.00	\$6,318.00	incorrect, it is correct now. NEPA study for the new tower construction located 50 foot away from the	\$6,318.00	came in little mo than orig estimat based of billings fr
NEPA Section 106 environmental review, if	\$6,310.00	\$6,318.00	incorrect, it is correct now. NEPA study for the new tower construction located 50 foot away	\$6,318.00	came in little mo than orig estimat based of billings fr provider.
NEPA Section 106 environmental review, if	\$6,310.00	\$6,318.00	incorrect, it is correct now. NEPA study for the new tower construction located 50 foot away from the	\$6,318.00	came in little mo than origi estimat based of billings frovider. adjustments
NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,318.00	incorrect, it is correct now. NEPA study for the new tower construction located 50 foot away from the	\$6,318.00	Actual co came in little mo than origi estimat based co billings frour provider. adjustment will be ma

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), Construction Permit Application	\$5,260.00	\$6,860.50	Actual attorney fees for normal repack construction permit process for form 2100 and 399 came in higher than the estimated cost.	\$6,860.50	Addition fees due FCC requeste move of KOAA reportannel 2 channel due to Entravis channel Denver is
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$13,996.34	consulting engineering services needed for further review of feasibility to remain on Channel 30.	\$13,996.34	total mo than pr determin entered a now star at \$11,492

Total for all systems	\$2,676,766.58	\$2,309,335.72	N/A	\$1,402,388.54	N/A
Sub-total	\$224,711.05	\$267,095.59	N/A	\$140,150.59	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$75,000.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$17,500.00	N/A	\$2,500.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$25,000.00	KOAA had to run the legal services twice due to the KCEC Denver Entravision being assigned channel 14 and the FCC requesting KOAA move from repack 28 to repack 25	\$2,055.00	N/A

Components

Component Description: review FCC repack

letter, preparing emails for same,

repack

reimbursement

process.

Amount: \$1,424.00

Component Description: review & respond to

consulting engineer

regarding TV

repack applications.

Amount: \$964.00

Component Description: review &

correspondence

regarding

amendment for

repack application.

Amount: \$14,619.50

Component Description: email with engr staff

for second tranche of repack funding

Amount: \$81.00

Component Description: Email for new FCC

repack

reimbursement

process.

Amount: \$171.00

Component Description: Qtrly progress

report & FCC reimbursement

process.

Amount: \$648.00

Component Description: email re repack

reimbursement

issues.

Amount: \$162.00

Component Description: FCC repack

quarterly progress report, release of add'l repack funding,

reimbursement

issues.

Amount: \$567.00

Component Description: review FCC forms &

emails regarding
FCC repack
reimbursement
issues &
applications.

Amount: \$1,360.00

Component Description: Research &

correspondence on

repack

reimbursement

process

Amount: \$286.50

Component Description: Review quarterly

progress report &

email for

reimbursement

process

Amount: \$648.00

Component Description: fund administrator-

request add'l info.

Discussion regarding amendment to

Form 399.

Amount: \$1,792.80

Component Description: begin initial

research relating to

preparation of

repack applications.

Amount: \$177.50

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

Component Description: review issues

/materials for tower coordinates & modification of FAA determination for new tower.

Amount: \$1,418.40

Component Description: Repack public

notice email, review & respond to FAA filings for new tower.

Amount: \$868.00

Component Description: Correspondence &

telephone

discussion for FAA determinations for

new tower.

Amount: \$1,586.00

Component Description: FAA determination

& study requests.

Amount: \$594.40

Component Description: FAA &

environmental approvals/study.

Amount: \$729.00

Component Description: FAA analysis for

proposed tower.

Amount: \$2,028.00

New Tower design analysis	Component Description: Amount: Component Description: Amount:	Structural analysis & report for tower. \$5,100.00 Geotechnical survey & report. \$4,875.00
KOAA repack 28 to repack 25 by Entravision	Component Description: Amount:	Qtrly progress report, environmental assessment for new tower. \$587.40
	Component Description: Amount:	Numerous calls and emails with regards to a proposed resolution of Channel 14 issue and possible impact on KOAA repack channel \$20,930.00
	Component Description:	review request for add'l info from fund administrators
	Amount: Component Description:	N/A Consulting engr
	Amount:	services thru Mar 2018 prelim review of transmitter tower inconsistency for license & contruct permit c28 to c25 change \$1,613.90

Component Description: review of alternate

channel for KOAA as proposed by KCEC, research at FCC reference room & prep of draft C.25 in lieu of C. 28

per attorney

Amount: \$10,616.00

Component Description: Review of draft

channel change agreement provided by Entravision as part of resolution.

Amount: \$20,548.20

Component Description: assembling

technical items to support application

to construct

repacked facilities.

pursuant to Channel 28

Amount: \$3,322.25

Component Description: FCC grant of

channel change repack application.

Amount: \$264.50

Component Description: Consulting engr

services Oct/Nov 2017 preliminary analysis for TVstudy 2.2 of K30JM-D related to channel change from 28 to 25

Amount: \$2,446.30

Engineering study		
	Component Description:	Initial site survey for transmitter antenna components
	Amount:	\$14,000.00
	Component Description:	tower installation construction staking "revised" survey proposal.
	Amount:	\$2,582.50
ASR modification (prepare FCC Form 854)		
,	Component Description:	begin draft ASR application and review 2012 ASR.
	Amount:	\$2,032.60
NEPA Section 106 environmental review, if needed	Component Description:	Environmental approvals for new
	Amount:	tower. \$6,318.00
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction	Component Description:	revise & file FCC
Permit Application	Amount:	form 2100 construction permit. \$6,860.50
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Perform engineering study for new channel assignment and antenna development		

Component Description: services concerning

recheck of allocation for

K30JM & KOAA-TV (Woodland Park) C. 16. further review of K30JM to remain C.

30

Amount: \$601.50

Component Description: consulting engr

services for further review to remain on

C. 30.

Amount: \$2,425.91

Component Description: Consulting &

Engineering

Services thru 4/27 /17 for analysis on TVStudy 2.2 of curr. C. 42 oper. and repack C.28

Amount: \$1,058.40

Component Description: Consult eng serv

thru Aug 17 for prelim analysis on TVStudy 2.2 of K30JM-D issues to incentive auction repack & prep of eng response to FCC inquiry on numerous discuss persuant to appl to construct repack facilities DA17-314

C. 28 horiz. and

vert. specs **Amount:** \$3,267.24

Component Description:

Consulting engineering thru
July 2017 to

assemble technical issues for prep of engr stmt for application to construct repack facilities for C.28 & prelim study for fill in translator K30JM

coverage

Amount: \$3,629.74

Component Description: consulting engr

services for further review of feasibility to remain on C.30.

Amount: \$2,504.05

Component Description: Consulting

engineering thru 5 /31/17 on Longley-Rice analysis for TVStudy 2.2 of repacked C.28

Amount: \$509.50

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application

Component Description: create form 399 &

form 2100.

correspondence re

FCC

reimbursement

process.

Amount: \$2,055.00

RF Exposure Measurements

Component Description:

Amount:

NEPA review

\$2,500.00

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
Comprehensive coverage verification via field study, if needed	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	\$20,735.00	\$20,175.00		\$0.00	
MVPD Notification of Channel Change	\$4,500.00	\$4,500.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	\$850.00	\$850.00	N/A	N/A	N/A
Non-zoning permits	\$3,500.00	\$3,500.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
Sub-total	\$20,735.00	\$20,175.00	N/A	\$0.00	N/A
Total for all systems	\$2,676,766.58	\$2,309,335.72	N/A	\$1,402,388.54	N/A

Components

Information not provided.

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,676,766.58	\$2,309,335.72	\$1,402,388.54

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. Evie Hudson Business Manager

04/15/2019

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. Evie Hudson Business Manager

04/15/2019

Attachments