

(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 03/29

> Submitted: /2021

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
SCRIPPS BROADCASTING HOLDINGS LLC	Dave Giles C/O SCRIPPS MEDIA, INC. 312 Walnut ST 28th Floor Cincinnati, OH 45202 United States	+1 (513) 977-3000	dave. giles@scripps. 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
Ray Thurber SCRIPPS BROADCASTING HOLDINGS LLC	Ray Thurber 312 WALNUT STREET 28TH FLOOR CINCINNATI, OH 45202 United States	+1 (248) 827-9202	ray. thurber@scripps. com
	CCa Clatoo		

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
Primary Transmitter Other Expenses	Primary Transmitter Other Expenses
Old transmitter DE-INSTALL	DE-INSTALL of old transmitter and all associated equipment.

Transmitter -	Н١	/AC	inetal	llation
Transiliue -	пν	AL	шыа	панон

Transmitter - HVAC installation

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 Manufacturer and Type	Class	Full Power
	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
	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	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	Do you have a tower registration number?	No
Structure Registration	ASR Number	
Coordinates (NAD83 (Latitude (NAD83)	38° 44' 42.0" N-
North American Datum of 1983))	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

Name	Description
Move Existing STL Dish to New Tower	Move Existing STL Dish to New Tower

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	595
	Explanation	reimbursement filing, expense tracking, vendor coordination, progress reporting, budget creation, budget review, budget tracking, daisychain monitoring and all other activities necessary
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

Other Professional Services Expenses Not Listed

Services Costs	Description
Engineering study	coverage mapping of new channel assignment and equipment
KOAA repack 28 to repack 25 by Entravision	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.
New Tower design analysis	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)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses

Other Expenses Not Listed

Name	Description
Equipment Rental	Equipment Rental

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 Co
Primary Transmitter ULXTE-50	\$1,143,199.99	\$1,165,594.99		\$704,921.01	
UHF - Liquid Cooled Solid State Transmitter 31.7 kW	\$902,134.58	\$902,134.58	Please see GatesAir Transmitter and Antenna justification	\$594,888.45	N/A
Primary Transmitter Other Expenses	\$1,643.76	\$1,643.76	Please see GatesAir quote Q-85982, plus freight and tax on invoice US0334791	\$1,643.76	N/A
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.	\$0.00	N/A
Transmitter - HVAC installation	\$15,840.80	\$15,840.80	Please see Vikor Teleconstruction quote 1901453CO2	\$15,840.80	N/A
10 Ton system	\$38,900.00	\$37,000.00	N/A	\$0.00	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.	\$0.00	N/A
4." Rigid Conduit and Wiring	\$12,000.00	\$12,000.00	N/A	\$0.00	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	\$0.00	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

Service entrance 3	\$14,400.00	\$46,216.00	Both transmitters	\$46,216.00	N/A
phase/800			must be ran on		
amp/208 volt			the same		
а р /200 гол			electrical		
			service at the		
			same time		
			requiring		
			additional		
			capacity.		
			predetermined		
			values are		
			correct now		
Sub-total	\$1,143,199.99	\$1,165,594.99	N/A	\$704,921.01	N/A
Total for all systems	\$3,044,041.35	\$2,665,352.59	N/A	\$1,973,026.74	N/A

Components

Actual Information		
Description	File Name	

UHF - Liquid Cooled Solid		
State Transmitter 31.7 kW	Component Description:	Credit Memo -
		The station was
		partially
		reimbursed for an
		upgraded
		transmitter
		(ULXTE-50) and
		should only have
		been reimbursed
		for the
		comparable
		transmitter size
		(ULXTE-24).
	Amount:	(\$17,772.45)
	Component Description:	Transmitter
	Amount:	\$10,164.41
	Component Description:	1/3 payment on
		ULXTE-50
		Transmitter prior
		to shipment
	Amount:	\$309,426.19
	Component Description:	1/3 down payment
		on ULXTE-50
		Transmitter
		package
	Amount:	\$303,234.71
Primary Transmitter Other		
Expenses	Component Description:	Freight

Component Description:

Amount:

Freight

\$1,643.76

Old transmitter DE-INSTALL		
	Component Description:	Deinstall of CD3070p1. Includes canceled check showing
	Amount:	payment made. \$18,280.85
	Component Description:	De-install of Sigma CD Transmitter model CD3070P1. Now includes a cancelled check for proof of payment.
	Amount:	\$18,280.85
Transmitter - HVAC installation		
iristallation	Component Description:	Change order 2 - Additional materials
	Amount:	\$15,840.80
10 Ton system	Information not provided.	
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

Site.

Amount: \$12,718.00

Component Description: Switch gear for

transmitter project.

Amount: \$33,614.00

Component Description: Please deny this

invoice. Invoice

has been resubmitted

Amount: N/A

Component Description: partial invoicing &

> payment for switchgear at **KOAA 6236**

Transmitter Lane

Site

Amount: \$33,614.00 Service entrance 3 phase /800 amp/208 volt

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

service on KOAA 6236 Transmitter

Lane site

Amount: \$40,294.00

Component Description: Install new

electrical service

for transmitter.

Amount: \$5,922.00

Component Description: Install new electric

service for

transmitter.

Amount: \$40,294.00

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
Primary Antenna TFU-23JSC /VP-R C270 D25 PER C- 70120-4	\$272,377.10	\$249,686.20		\$229,681.94	
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	\$0.00	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$0.00	Decreased and consolidated with the primary antenna budget category.	\$0.00	N/A
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	\$9,570.00	\$10,619.10	See Estimated Cost Justification KOAA-TV- 210-Primary Antenna - Elbow Complex V2	\$10,619.10	N/A

UHF - High Power, Side Mount, basic slot antenna,	\$227,667.10	\$227,667.10	Previous antenna could not be retuned to new frequency.	\$219,062.84	N/A
input, directional,, elliptically or circularly polarized					
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$0.00	N/A
Sub-total	\$272,377.10	\$249,686.20	N/A	\$229,681.94	N/A
Total for all systems	\$3,044,041.35	\$2,665,352.59	N/A	\$1,973,026.74	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.	
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	
Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed)	Component Description: Amount:	Dielectric materials \$10,619.10

UHF - High Power, Side Mount, basic slot antenna, **Component Description:** 2nd 45% payment 1000 kW input, directional,, prior to shipment elliptically or circularly on antenna polarized purchase. Amount: \$102,454.70 **Component Description:** CO Sales Tax-Invoice Amount: \$13,500.45 **Component Description:** CO Sales Tax -Invoice 489001 Amount: \$652.99 **Component Description:** UHF antenna and accessories-45% deposit with order Amount: \$102,454.70 Sweep test of existing Information not provided.

antenna

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$62,480.00	\$55,047.60		\$16,575.88	
Rigid Transmission Line - copper, 4 1 /16"	\$62,480.00	\$55,047.60	N/A	\$16,575.88	N/A
Sub-total	\$62,480.00	\$55,047.60	N/A	\$16,575.88	N/A
Total for all systems	\$3,044,041.35	\$2,665,352.59	N/A	\$1,973,026.74	N/A

Components

Actual Information Description	File Name	
Rigid Transmission Line - copper, 4 1/16"	Component Description: Amount:	UHF-Lower Power Side Mount Antenna - One Station Elliptically Polarized. Side mount \$14,085.70
	Component Description: Amount:	KOAA-TV-310- Primary Transmission Line - 4 1/16" Rigid Copper \$2,490.18

Cost Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co Justificati
Primary Tower GTOWER	\$0.00	\$0.00		\$0.00	
Primary Tower	\$1,136,398.17	\$715,398.17		\$715,398.17	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$0.00	N/A	\$0.00	N/A
Move Existing STL Dish to New Tower	\$21,664.70	\$21,664.70	Please see Thin Air Communications, Inc. quote 3583_001_KOAA, plus tax and freight on invoice 3583-001-CO	\$21,664.70	N/A
New tower	\$693,733.47	\$693,733.47	see Estimated Cost Justification KOAA-TV-480- Construct New Tower v2	\$693,733.47	N/A
Sub-total	\$1,136,398.17	\$715,398.17	N/A	\$715,398.17	N/A
Total for all systems	\$3,044,041.35	\$2,665,352.59	N/A	\$1,973,026.74	N/A

Components

Actual Information	
Description	File Name

Complex Tower (includes, for example, those with	Information not provided.	
candelabras and/or stacked		
antennas)		
Move Existing STL Dish to New Tower		
New Tower	Component Description:	Labor to perform
		site survey at
	Amount:	Cheyenne Mounta \$21,664.70
		, , , , , ,
New tower		
	Component Description:	Replacement
		Tower
	Amount:	\$164,785.21
	0	A 1 199
	Component Description:	Additional crane time
	Amount:	\$2,500.00
	Component Description:	Remobilization for
	A	tower destack
	Amount:	\$54,763.73
	Component Description:	Installation
	·	Services
	Amount:	\$72,117.47
	Component Description	One invoice of
	Component Description:	many for this line.
		This specifically is
		for structural
		analysis & report,
		add'l loading
		configurations &
		PE sealed docs
	Amount:	\$5,100.00

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

reimbursement of \$4875 being requested.

Amount: \$4,875.00

Component Description: Ice Bridge

Installation

Amount: \$65,728.26

Component Description: 30% pmt. 60 days

from date of order for tower and installation. Includes 30% on deposit increase

also.

Amount: \$166,731.90

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	\$318,721.05	\$369,320.59		\$207,608.24	
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 mounta terrain ac is comin higher th origina estima
KOAA repack 28 to repack 25 by Entravision	\$60,328.55	\$60,328.55	Additional consulting engineering expense due to Entravision wanting to occupy the KOAA repack channel 28. That would displace KOAA to channel 25 that is co-channel to KRDO 24.	\$60,328.55	Per subm Invoice
Engineering study	\$16,582.50	\$16,582.50	Under estimated consulting engineering services needed for further review of feasibility to remain on Channel 30.	\$16,582.50	An addition survey needed tower installat constructions.

Comprehensive coverage verification via field study, if needed	\$84,200.00	\$75,000.00	N/A	\$0.00	N/A
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 coming due to addition studie needed FAA determin reques
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,032.60	The original predetermined cost was incorrect, it is correct now.	\$2,032.60	N/A
NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,318.00	NEPA study for the new tower construction located 50 foot away from the existing tower.	\$6,318.00	Actual concentration came in little months than original estimates based billings for provider adjustment will be months actual concentration.
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	\$0.00	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
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$8,660.50	Please see Estimated Cost Justification KOAA-TV-550- Attorney - Construction Permit Application (Main) v0	\$8,660.50	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$0.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$0.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$14,221.34	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$14,221.34	N/A

Project management of the transition	\$94,010.00	\$99,675.00	Widelity Strategic Support Quote	\$64,907.65	N/A
Prepare and or review reimbursement form	\$2,630.00	\$22,778.30	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$22,778.30	N/A
RF Exposure Measurements	\$21,050.00	\$17,500.00	N/A	\$2,500.00	N/A
Sub-total	\$318,721.05	\$369,320.59	N/A	\$207,608.24	N/A
Total for all systems	\$3,044,041.35	\$2,665,352.59	N/A	\$1,973,026.74	N/A

Components

Actual Information Description	File Name	
New Tower design analysis	Component Description: Amount:	Geotechnical survey & report. \$4,875.00
	Component Description: Amount:	Structural analysis & report for tower. \$5,100.00
KOAA repack 28 to repack 25 by Entravision	Component Description:	Qtrly progress report, environmental assessment for new tower.
	Amount:	\$587.40

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

Component Description: review request for

add'l info from fund administrators

Amount: N/A

Component Description: Consulting engr

services thru Mar 2018 prelim review of transmitter tower inconsistency for license & contruct permit c28 to c25

change

Amount: \$1,613.90

Component Description: Numerous calls and

emails with regards to a proposed resolution of Channel 14 issue and possible impact

on KOAA repack

channel

Amount: \$20,930.00

Component Description: Review of draft

channel change agreement provided by Entravision as part of resolution.

Amount: \$20,548.20

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

Engineering study

Component Description: tower installation

construction staking "revised" survey

proposal.

Amount: \$2,582.50

Component Description: Initial site survey for

transmitter antenna

components

Amount: \$14,000.00

Comprehensive coverage verification via field study, if needed

Information not provided.

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

Component Description: FAA determination

& study requests.

Amount: \$594.40

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: Please deny this

invoice

Amount: N/A

Component Description: FAA analysis for

proposed tower.

Amount: \$2,028.00

Component Description: review issues

/materials for tower

coordinates &

modification of FAA determination for

new tower.

Amount: \$1,418.40

Component Description: FAA &

environmental

approvals/study.

Amount: \$729.00

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), License to Cover Application	Component Description:	create form 399 & form 2100. correspondence re FCC reimbursement process.
	Amount:	\$2,055.00
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Services Rendered \$1,800.00
	Component Description:	revise & file FCC form 2100
	Amount:	construction permit. \$6,860.50
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	

Prepare engineering Information not provided. section of FCC Form 2100 (main), Construction Permit Application Perform engineering study for new channel **Component Description:** Consult eng serv assignment and antenna thru Aug 17 for development 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: KOAA tpo

Calculations -Transmitter and Antenna Justification

Amount: \$225.00

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: 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

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

Amount: \$509.50

Component Description: consulting engr

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

Amount: \$2,504.05

Component Description: consulting engr

services for further review to remain on

C. 30.

Amount: \$2,425.91

Project management of the transition

Component Description:

Project

Amount:

Management \$4,713.45

Component Description:

Project Management

Amount:

\$4,302.80

Component Description:

Project

Amount:

Management \$3,593.90

Component Description:

Project management

Amount:

\$2,162.85

Component Description:

Amount:

Project Management

\$4,053.70

Component Description:

Amount:

Project Management

\$4,072.45

Component Description:

Amount:

Project Management

\$5,609.30

Component Description: FOR SERVICES

RENDERED

THROUGH: 6/1/19-

6/30/19

Amount: \$150.00

Component Description:

Amount:

Project management

\$2,516.50

Component Description:

Amount:

Project management

\$8,083.05

Component Description: Project

Management

Amount: \$1,497.70

Component Description: Project

Management

Amount: \$64.95

Component Description: Project

Management

Amount: \$1,945.80

Component Description: Project

Management

Amount: \$2,915.40

Component Description: Project Management

Amount: \$2,710.95

Component Description: Project

Management

Amount: \$2,210.20

Component Description: Invoice KOAA-TV-

510-Project Management

Widelity, Inc. EWS-KOAA-TV-026

Amount: \$833.30

Component Description: Project management

Amount: \$1,864.35

Component Description: Project

Management

Amount: \$4,478.30

Component Description:

Amount:

Services Rendered

\$75.00

Component Description:

Project

Amount:

Management \$1,970.15

Component Description:

Project Management

Amount:

\$4,658.45

Component Description:

Project

Amount:

\$285.30

Management

Component Description:

Project

Management

\$64.80

Component Description:

Amount:

Amount:

Services Rendered

\$75.00

Prepare and or review reimbursement form

Component Description:

review FCC forms &

emails regarding FCC repack reimbursement

applications.

Amount: \$1,360.00

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:** Review quarterly progress report & email for reimbursement process Amount: \$648.00 **Component Description:** Transmitter and Antenna Justification for 399 Amount: \$525.00 **Component Description:** FCC repack quarterly progress report, release of add'l repack funding, reimbursement issues. Amount: \$567.00

Component Description: begin initial

research relating to preparation of repack applications.

Amount: \$177.50

Component Description: email re repack reimbursement issues. \$162.00 Amount: **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.

Component Description: review &

Amount:

Amount:

correspondence

\$964.00

regarding amendment for repack application.

\$14,619.50

Component Description: fund administrator-

request add'l info.

Discussion regarding amendment to Form 399.

Amount: \$1,792.80

Component Description: Research &

correspondence on

repack

reimbursement

process

Amount: \$286.50

RF Exposure Measurements

Component Description:
Amount:

NEPA review \$2,500.00

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$110,865.04	\$110,305.04		\$98,841.50	
Develop and air announcement of upcoming channel change	\$850.00	\$850.00	N/A	\$0.00	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$591.00	\$591.00	Please see KOAA-TV Disposal Costs Budget Revision Justification Letter	\$591.00	N/A
Non-zoning permits	\$3,500.00	\$3,500.00	N/A	\$0.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	\$0.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$4,212.00	N/A

Total for all systems	\$3,044,041.35	\$2,665,352.59	N/A	\$1,973,026.74	N/A
Sub-total	\$110,865.04	\$110,305.04	N/A	\$98,841.50	N/A
Equipment Delivery and Handling Charges	\$78,883.46	\$78,883.46	Please see Estimated Cost Justification KOAA-TV- 610- Equipment Delivery v1	\$78,882.92	N/A
Equipment Storage	\$2,860.00	\$2,860.00	See Estimated Cost Justification KOAA-TV- 610- Equipment Storage V0	\$2,860.00	N/A
MVPD Notification of Channel Change	\$5,593.60	\$5,593.60	see Estimated Cost Justification KOAA-TV- 610-MVPD Notifications v0	\$5,593.60	N/A
Equipment Rental	\$6,701.98	\$6,701.98	Please see KOAA-TV Electronics Research, Inc. change order 35160C-3a - Rev and KOAA-TV Equipment Rental Budget Revision Justification Letter	\$6,701.98	N/A

Actual Information Description	File Name	
Develop and air announcement of upcoming channel change	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description: Amount:	7/6/20 Receive Equipment/Labor \$591.00
Non-zoning permits	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
DTV Medical Facility Notification	Component Description: Amount:	DTV Notification Service \$4,212.00
Equipment Rental	Component Description: Amount:	KOAA-TV-610- Equipment Delivery \$342.00
	Component Description: Amount:	KOAA-TV-610- Equipment Rental \$6,359.98
MVPD Notification of Channel Change	Component Description: Amount:	MVPD Notification Services \$2,796.80
	Component Description: Amount:	MVPD Notification Services \$2,796.80

Equipment Storage		
	Component Description:	KOAA-TV-610-
		Equipment Storage
	Amount:	\$1,110.00
	Component Description:	10/11/19 Receiving
	Amount:	\$180.00
		Ψ.00.00
	Component Description:	August 2019
	Component Description.	Storage
	Amount:	\$670.00
	Amount	ψ07 0.00
		VOAA TV 040
	Component Description:	KOAA-TV-610-
		Equipment Storage

Amount:

\$900.00

Equipment Delivery and Handling Charges

Component Description:

Amount:

Handling In \$150.00

Component Description: 8/20/19 Speciality

Truck Rental

Amount:

\$8,511.75

Component Description: KOAA-TV-610-

Equipment Delivery

Amount: \$936.00

Component Description:

5/23/19 Receiving

(15 pallets)

Amount: \$30.00

Component Description: KOAA-TV-610-

Equipment Rental

Amount: \$966.00

Component Description: Equipment

Transportation and crane expense time and rental equipment

Amount: \$68,289.17

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$3,044,041.35	\$2,665,352.59	\$1,973,026.74

Reimburseme	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. Sravan V
Reddy ,
Reddy .
Senior
Director,
General
Accounting

03/29/2021

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. Sravan V
Reddy ,
Reddy .
Senior
Director,
General
Accounting

03/29/2021

Attachments