



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **66170** | Service: **DTV** | Call **KTIV** | Channel: **14 (UHF)** |
ID: | Sign:
File **0000027507**
Number:
FRN: **0018223693** | Date **04/21**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
KTIV License, LLC Doing Business As: KTIV License, LLC	Brady Dreasler PO Box 909 Quincy, IL 62306 United States	+1 (217) 223-5100	bdreasler@quincymedia. com	Limited Liability Company

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Tony zumMallen <i>QCommunications</i>	Tony zumMallen 705B SE Melody LN #314 Lees Summit, MO 64063 United States	+1 (816) 729- 1177	tony@qcom1. com

**Broadcaster
Information
and
Transition
Plan**

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	Yes
Briefly describe transition plan	The transition from channel 41 to channel 14 requires shared interim systems with KMEG and KPTH through a combiner. KTIV will require a new antenna, line and transmitter to complete the transition.

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	PowerCD
	Year	2006
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	60 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-100
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	62.9 kW
	Justification for New Transmitter	IOT Transmitter is not tunable per the manufacturer. Special Case- Channel 14 requirements. Per engineering consultant new TPO required is 56.7kw.

**Primary
Transmitter**

Other Transmitter Costs

Section	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	2 inches
	Length	500.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	25 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold 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	10

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Transmitter - Training	Transmitter training - offsite - 1 week in duration at mfg site.
Security - Site	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.
Disconnect existing Transmitter	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.

Transmitter Site Preparation	Site prep for installation of the interim and main transmitters and RF components not part of Installation SOW.
Install new circuit for Air load 3.	New 208v circuit for air load #3.
Security System	Installed conduit as required for security camera system.
RF Accessories-other	RF Accessories on Gates Q-62047 for transmitters not captured on existing line items
TX Install Parts	Adapters, flange, pipe hangers
Channel 14 remediation	After working with the NAB and our consulting engineer a LM remediation budget needs to be added to cover these estimated costs of operating in CH 14.
ELECTRICAL EQ INSTALLATION	INT AND MAIN TX REQUIRE NEW ELECTRICAL SYSTEMS INSTALLATIONS
Demo Conduit and Wire	Demolition all non-utilized conduit to old transmitter & equipment.
Freight - MFG	Freight- from MFG to staging area or station
Site Survey - TX	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.
Sales Tax - Non Exempt -IA	KTIV is not tax exempt from Iowa Sales tax - Gates calculates

**Interim
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-30
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	20 kW
	Justification for New Transmitter	Interim facility is required to avoid prolonged period of station silence during transition, and station currently has no aux facility to use for interim operation. Extended silent period during transition to new channel is unreasonable.

**Interim
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No

	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	500.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	25 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold 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
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	Yes

Interim Transmitter

Other Transmitter Cost Not Listed

Name	Description
Sales Tax est	IA sales tax est per mfg
Freight - TX eq	Freight from the mfg to stations TX site.

Transmitter Site Preparation

Site prep for installation of the interim and main transmitters and RF components not part of Installation SOW.

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?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	873.0 kW

Manufacturer	
Model	TFU-30JTH-R-04
Year	2006

Primary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	1
	Number of Panels/Bays	24
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	873.0 kW
	Manufacturer	
	Model	TFU-31ETT

Year	2017
Justification for New Antenna	Required to operate on the new channel assignment. Ch14 special case. FAA height restrictions. E-POL has been added and that will be treated as an upgrade which is not reimbursable. \$240,000 is verified.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	6 1/8 inches inches

Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	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

**Primary
Antenna**

Other Antenna Cost Not Listed

Name	Description
SWEEP NEW ANTENNA AND LINE	SWEEP NEW ANTENNA AND LINE
FREIGHT EQUIPMENT	FREIGHT FOR THE ANTENNA AND LINE FROM MFG TO STORAGE OR STAGING AREA.

**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 Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Slot
	Number of Stations Supported	3
	Number of Panels/Bays	24
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	50.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	300.0 kW
	Manufacturer	
	Model	TFU-24WB- 1-R
	Year	2017

	Justification for New Antenna	Interim facility is required to avoid prolonged period of station silence during transition, and station currently has no aux facility to use for interim operation. Shared with KPTH and KMEG. Paid from the KPTH deal.
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Interim Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	3
	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?	Yes
	Broadband or Single Channel?	B
	Feed Line Size	6 1/8 inches

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
30
32
14

Interim
Antenna

Other Antenna Cost Not Listed

Name	Description
SWEEP NEW LINE AND ANTENNA	SWEEP NEW ANTENNA AND LINE

Transmission Line

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary
Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	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	
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	2298 feet per run

Primary
Transmission Line

New Transmission Line

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
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	2140 feet per run
	Justification for New Transmission Line	Required to make the channel assignment relocation from CH41 to CH14

Primary
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Disconnect existing Interior RF components	Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.

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	Leased
	Is this tower consider Complex?	Candelabra
	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?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1057963
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	42° 35' 12.0" N-
	Longitude (NAD83)	096° 13' 19.0" W-
	Overall Structure Height	1987.84 feet
	Support Structure Height	1847.09 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1332.99 feet

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	Heartland Tower Company, L.L.C.
	Date Constructed	02/22/2007

**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
39665	KMEG	DTV
77451	KPTH	DTV

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for tower with candelabra
Tower Reinforcements	Please select whether tower reinforcements are needed:	Major Reinforcements needed

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Candelabra
Helicopter Services Required	Are helicopter services required?	No

**Primary
Tower**

Other Tower Expenses Not Listed
Information not provided.

**Outside
Professional Services Costs**

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	1405
	Explanation	Scope & significance of project (QMI has multiple stations repacked) require outside management services to augment existing internal personnel to assist turnkey management of and ensure timely and safe execution of channel relocation.
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	4
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	4
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes

RF exposure measurements	No
Additional Field Engineering Service	No
Number of Days	N/A
Justification	N/A

Outside Professional

Other Professional Services Expenses Not Listed

Services Costs	Description
General Repack Legal Services	See attached memo-QMI Repack Invoice Memo for Shared Legal Expenses (Matter 104411 00054) for Form 399
Quarterly reporting	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.
Vendor Travel Expenses	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project - see quote for estimated expenses.
Plumbing work for TX cooling systems	New TX Interim and Main required new plumbing systems to be installed

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	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**

Other Expenses Not Listed

Name	Description
SITE SAFETY AND CLEARING PREP	CLEAR THE CONTROLLED AREA AROUND THE TOWER OF BRUSH AND APPLY INSECTICIDE TO PREVENT ACCIDENTS AND PROMOTE A SAFE SITE AND MINIMIZING RISK.

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 Justification
Interim Transmitter ULXTE-30	\$1,029,337.90	\$980,937.90		\$632,210.55	
25 Ton system	\$91,500.00	\$87,000.00	N/A	N/A	
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$650,000.00	N/A	\$554,212.02	
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$4,997.49	
2" Rigid Conduit and Wiring (Cost per foot)	\$13,000.00	\$12,500.00	N/A	N/A	
UHF inside RF system including switching	\$147,500.00	\$140,000.00	N/A	\$32,765.43	
Sales Tax est	<i>\$41,737.90</i>	\$41,737.90	as determined by GatesAir in the invoice	\$27,535.61	
Freight - TX eq	<i>\$8,400.00</i>	\$8,400.00	est cost to have the interim transmitter delivered from the mfg to transmitter site. per QTE Q-64042	\$7,700.00	

Transmitter Site Preparation	\$5,000.00	\$5,000.00	Site prep for installation of the interim and main transmitters and RF components not part of Installation SOW.	\$5,000.00	
Primary Transmitter ULXTE-100	\$2,742,720.72	\$2,116,893.29		\$1,820,231.43	
UHF - Liquid Cooled Solid State Transmitter 62.9 kW	\$30,771.45	\$30,771.45	N/A	\$30,771.45	
Service entrance 3 phase/800 amp /208 volt	\$14,400.00	\$13,700.00	N/A	N/A	
Switchgear - industrial 800 amp	\$38,200.00	\$83,440.74	PER Q-62047 - THE RF ACCESSORIES QUOTE LINE C IS MORE THAN THE PREDETERMINED SWITCHGEAR EST COST.	\$0.00	Q-6: ACCI - mov It Acc othe kno remc so we the t in Si
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$40,000.00	GATES EQ QUOTE AND LOCAL ELECTRIC INSTALL AND EQUIPMENT QUOTE	\$28,480.82	
2" Rigid Conduit and Wiring (Cost per foot)	\$13,000.00	\$12,500.00	N/A	\$1,599.65	

25 Ton system	\$91,500.00	\$87,000.00	We reviewed the transmitter transition plans and with an additional 25 tons of HVAC installed in the new section of the transmitter room it is estimated that the required environmental conditions to operate the new transmitter config can be obtained.	\$40,480.00
RF Consulting Engineer	\$5,260.00	\$5,000.00	N/A	\$0.00
Channel 14 Mask Filter	\$189,500.00	\$0.00	per 5-29-19-FCC email recommendation we zeroed out the Mask filer and moved the CH14 Mask Filter dollars to the allotment to the TX line item.	N/A
Additional field engineering time, 10-30 days	\$63,100.00	\$60,000.00	N/A	N/A
Sales Tax - Non Exempt -IA	\$133,564.18	\$133,564.18	KTIV is not exempt from IOWA state sales tax. Gates calculates sales tax for invoices. see Q62047 and INV TE10004376	\$101,177.09
Site Survey - TX	\$25,000.00	\$25,000.00	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.	\$18,500.00

Freight - MFG	\$17,300.00	\$17,300.00	Freight- from MFG to staging area or station	\$13,000.00
Transmitter - Training	\$3,300.00	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A
Transmitter Site Preparation	\$10,500.00	\$10,500.00	Site prep for installation of the interim and main transmitters and RF components not part of Installation SOW.	\$10,500.00
Disconnect existing Transmitter	\$25,000.00	\$25,000.00	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	\$23,500.00
Security - Site	\$17,500.00	\$17,500.00	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.	\$15,654.10
TX Install Parts	\$20,847.29	\$20,847.29	Costs per actual invoice. Gates invoice US0320883; change orders 79109 and 79109-1.	\$20,847.29

RF Accessories- other	\$89,324.90	\$89,324.90	RF Accessories per GatesAir Q-62047 Items C. RF Accessories. Captures required equipment not identified in existing 399 line items. - USE THE LINE C FROM THE ULXTE -72 QUOTE Q-74824	\$89,324.90
Security System	\$4,761.50	\$4,761.50	Security system to be replaced due to repack. Costs per actual invoice.	\$4,761.50
Install new circuit for Air load 3.	\$374.50	\$374.50	Costs to pull new 208v circuit for air load #3. Cost per actual invoice.	\$0.00
Demo Conduit and Wire	\$716.90	\$716.90	Costs to demo non-utilized conduit and wire to old transmitter and equipment.	\$716.90
ELECTRICAL EQ INSTALLATION	\$99,000.00	\$99,000.00	ELECTRICAL MODIFICATIONS FOR NEW MAIN AND INTERIM TX. USED THREE FCC LINE ITEMS - OTHER- ELECTRICAL AND MAIN TRANSMITTER - RF AND MAIN TX ELECTRICAL TOTALING 161592.36	\$98,625.90

Channel 14 remediation	\$25,000.00	\$25,000.00	Reduced 10-12-2017 per FCC Verified letter from \$500k to \$25k - to be increased as actual costs are required for remediation.	\$10,000.00
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,312,291.83	***System Notice: Estimate adjusted and locked because line has been superseded. ***6-3-AMENDED est PER 5-29 email to equal TX plus CH14 Mask Filter Validation. \$1,223,584.00 - TX \$234,809.90 - CH14 Mask Filter. zeroed out MK line	\$1,312,291.83
Sub-total	\$3,772,058.62	\$3,097,831.19	N/A	\$2,452,441.98
Total for all systems	\$6,317,281.80	\$5,499,123.24	N/A	\$3,714,713.32

Components

Actual Information	
Description	File Name
25 Ton system	Information not provided.

UHF - Liquid Cooled Solid
State Transmitter 14.2 -
20 kW

Component Description:

Gates-INT TX -
KTIV - 1/3 dep lines
A, B and E - see
revised INV and Q-
62042

Amount:

\$186,164.25

Component Description:

KTIV-Gates-INT TX
- BALANCE INV
TE10004377-3-
LINES A, B and E -
of quote Q-62042

Amount:

\$181,883.52

Component Description:

Gates-INT TX -
KTIV - 2nd
payment- LINES
lines A, B and E - of
quote Q-62042
uploaded- see for
details.

Amount:

\$186,164.25

Switchgear - industrial 800 amp	<div> Component Description: KTIV-GATES INT TX INV TE10004377-3 -line D Quote Q-62042- SWITCHGEAR </div> <div> Amount: \$1,665.83 </div>
	<div> Component Description: Gates - INT TX- KTIV - ELEC line D see Quote Q-62042 -2nd invoice uploaded </div> <div> Amount: \$1,665.83 </div>
	<div> Component Description: Gates - INT TX- KTIV - ELEC line D see inv and quote Q- 62042 </div> <div> Amount: \$1,665.83 </div>
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

UHF inside RF system including switching	<div data-bbox="695 165 1426 300"> <p>Component Description: Gates- INT TX - RF - KTIV - Line C</p> <p>Amount: \$10,921.81</p> </div> <div data-bbox="695 389 1426 680"> <p>Component Description: Gates- INT TX - RF - KTIV - Line C - INV TE10004377-3 Q-62042-76148- ENGR CHANGED RF UNIT</p> <p>Amount: \$10,921.81</p> </div> <div data-bbox="695 770 1426 972"> <p>Component Description: Gates- INT TX - RF - KTIV - Line C - for 2nd inv from Quote - Q-62042 uploaded</p> <p>Amount: \$10,921.81</p> </div>
Sales Tax est	<div data-bbox="695 1111 1426 1312"> <p>Component Description: KTIV- GATES-INT TX - Sales tax PORTION OF TE10004377-3</p> <p>Amount: \$13,622.97</p> </div> <div data-bbox="695 1402 1426 1760"> <p>Component Description: KTIV- INTERIM TX - EST sales tax as shown on inv TE10004377-2 and QUOTE - Q-62042 uploaded - added the rounding error 1 cent. 3-8-18</p> <p>Amount: \$13,912.64</p> </div>
Freight - TX eq	<div data-bbox="695 1895 1426 2051"> <p>Component Description: KTIV-GATES-INT INV TE10004337-3 - FREIGHT</p> <p>Amount: \$7,700.00</p> </div>

Transmitter Site Preparation	Component Description: KTIV-PREP-INTERIM - INV-QC18-057 Amount: \$5,000.00
UHF - Liquid Cooled Solid State Transmitter 62.9 kW	Component Description: 4th Invoice Main TX; KTIV - Gates - INV US0320883 - PO 19965 - Q-79109 - Q-79109-1 Amount: \$30,771.45
Service entrance 3 phase /800 amp/208 volt	Information not provided.
Switchgear - industrial 800 amp	Component Description: KTIV-Gates- MAIN TX 1ST INV TE10004376-- RF - Q-62047 line C.- 6-13 ZEROED OUT AND MOVED TO RF COMP LINE ITEM Amount: N/A Component Description: KTIV-Gates- MAIN TX - RF - Q-62047 line C. 5-1 - ZEROED out and added to Line Item - RF Accessories-other Amount: N/A Component Description: Gates- MAIN TX - RF KTIV - Q-62047 line C. Amount: \$27,813.58

Transformer 3 phase/480v
- 300 KVA

Component Description: KTIV-SCHRAMM-
ELEC-
TRANSFORMER-
INV2739

Amount: \$26,970.00

Component Description: Amount to return
due to change order
79109 due to parts
sourced locally.
US0320883 - PO
19965, CO 79109.
See attached cover
letter matrix.

Amount: (\$11,224.80)

Component Description: KTIV - GATES
MAIN - LINE D
ELECTRIC - OPEN
PER QUOTE

Amount: \$4,069.74

Component Description: Gates- Main Tx -
KTIV - Q-62047 -
Line D

Amount: \$4,332.94

Component Description: KTIV- Gates- Main
Tx -Q-62047 - Line
D - FOR -72 COST

Amount: \$4,332.94

Component Description: KTIV- Gates- Main
Tx -Q-62047 - INV
TE10004376-Line D
RESUBMITTED 7-
27

Amount: \$4,332.94

2" Rigid Conduit and Wiring (Cost per foot)	<p>Component Description: KTIV- SCHRAMM ELEC -CONDUIT- INV 3010- QUOTE ADDED</p> <p>Amount: \$1,599.65</p>
25 Ton system	<p>Component Description: KTIV - CW Suter - HVAC system - INV Jc6294 - PO 20546. NOTE: system does not allow for an "&" in the Vendor Name. Vendor name is actually CW Suter & Son, Inc. "And" is used in place of "&".</p> <p>Amount: \$40,480.00</p>
RF Consulting Engineer	Information not provided.
Channel 14 Mask Filter	Information not provided.
Additional field engineering time, 10-30 days	Information not provided.

Sales Tax - Non Exempt - IA	<div> Component Description: KTIV-GATES-MAIN-TX-SALES TAX 2ND INV - TE10004376-2- 6-13- ZEROED OUT PER RFAS 5-21 </div> <div> Amount: N/A </div>
	<div> Component Description: KTIV-GATES-MAIN-TX-SALES TAX 1ST INV - TE10004376 - -6-13-PER 5-21-RFAS-REMOVED EST TAX </div> <div> Amount: N/A </div>
	<div> Component Description: KTIV - GATES - MAIN - SALES TAX AT 7 PERCENT WAS DUE AND PAID. </div> <div> Amount: \$101,177.09 </div>
	<div> Component Description: Gates - Main Tx - KTIV - INV for Sales tax est see Q-62047. We can true up on final invoice for TX if preferred. </div> <div> Amount: \$44,521.39 </div>
Site Survey - TX	<div> Component Description: KTIV - SURVEY - INV-QC18-025 </div> <div> Amount: \$18,500.00 </div>

Freight - MFG	<div> <div> Component Description: Amount: </div> <div> KTIV - US0320883 - freight to ship equipment to site. \$13,000.00 </div> </div> <div> <div> Component Description: Amount: </div> <div> 7-26-18 - ELIMINATING THE EST TAX FOR THIS SUBMITTAL. N/A </div> </div>
Transmitter - Training	Information not provided.
Transmitter Site Preparation	<div> <div> Component Description: Amount: </div> <div> KTIV-PREP- MAIN- INV- QC18-057 \$10,500.00 </div> </div>
Disconnect existing Transmitter	<div> <div> Component Description: Amount: </div> <div> KTIV- QCOMM- DECOMM - TRANSMITTER - INV Q19-013 \$23,500.00 </div> </div>

Security - Site

Component Description: KTIV-SECURITY-5
/31-6/9 ON SITE
INV23792
Amount: \$2,942.50

Component Description: KTIV- SECURITY -
INV 23976- 111-20
THIS 1 OF 4 INV. 2
AND 3 PAID 4TH
UPLOADED 12-21-
ADDED EMAIL
DETAILS OF HRS
AND PO MATRIX-
RESUB-3-7-19-
DATES
CORRECTED
Amount: \$6,779.52

Component Description: KTIV- LAST OF 4
INVOICES FOR
SITE SECURITY
KTIV-KMEG KPTH -
12-21- NO
FURTHER INFO.
LAST INV FOR 60
HRS FOR PERIOD
OF 7-8 TO 7-21 AT
22 DOLLARS PER
HR PER LAST
PAGE OF QUOTE
AND PO
Amount: \$1,412.40

Component Description: KTIV-SECURITY-6
/10-6/23-ON SITE-
INV-23878
Amount: \$4,519.68

TX Install Parts	<div> <div> Component Description: </div> <div> Adapters, Flange, Pipe hangers to install tx. US0320883 - PO 19965 - change order 79109 and 79109-1 </div> </div> <div> <div> Amount: </div> <div> \$20,847.29 </div> </div>
RF Accessories-other	<div> <div> Component Description: </div> <div> KTIV- GATES MAIN - 3RD INV TE10004376-3 LINE C UPGRADE ONLY - ROUNDING DOWN ERROR OF 1 CENT FOR LINE C DUE TO ONE THIRD CALCULATION </div> </div> <div> <div> Amount: </div> <div> \$29,774.96 </div> </div> <div> <div> Component Description: </div> <div> KTIV-GATES-RF ACCESS-INV TE10004376 - LINE C - RESUBMITTED 7-27 </div> </div> <div> <div> Amount: </div> <div> \$29,774.97 </div> </div> <div> <div> Component Description: </div> <div> KTIV-Gates-INV TE10004376-2- LINE C. RF Accessories per Q- 62047 - 2nd 1/3 payment OF -72 </div> </div> <div> <div> Amount: </div> <div> \$29,774.97 </div> </div>

Security System	<p>Component Description: security camera system. KTIV - Schramm - INV 3141 PO 20609</p> <p>Amount: \$4,761.50</p>
Install new circuit for Air load 3.	<p>Component Description: KTIV - Schramm - circuit - INV 3093 - PO 20637</p> <p>Amount: \$374.50</p>
Demo Conduit and Wire	<p>Component Description: KTIV - Schramm - demo non-utilized conduits - INV 3063 - PO 20637</p> <p>Amount: \$716.90</p>

ELECTRICAL EQ INSTALLATION	<div> Component Description: Main - Schramm - electric demo - INV 3140 - PO 20610 </div> <div> Amount: \$6,650.05 </div>
	<div> Component Description: KTIV- SCHRAMM- ELEC MAIN TX- INV 2952 </div> <div> Amount: \$20,901.50 </div>
	<div> Component Description: KTIV- SCHRAMM ELEC - CO NEW PO - TO FINISH TX- INV 2857 QUOTE ADDED </div> <div> Amount: \$3,076.25 </div>
	<div> Component Description: KTIV-SCHRAMM ELEC -MAIN TX- INV 2873 </div> <div> Amount: \$21,044.10 </div>
	<div> Component Description: KTIV-SCHRAMM- ELEC- MAIN TX - INV 2806 -RESUB- 3-7-19 </div> <div> Amount: \$46,954.00 </div>
Channel 14 remediation	<div> Component Description: KTIV - RF NOTIFICATIONS - CH14 LM NOTICES - QUOTE AND VERIFIED -RESUB 3-7-19 </div> <div> Amount: \$5,000.00 </div>

Component Description:	KTIV-RF NOTIFICATIONS - CH14 LM NOTICES - INV 1005 - QUOTE AND VERIFIED- RESUB 3-7-19-3-21-date change
Amount:	\$5,000.00

Component Description:	KTIV- RF NOTIF - LAND MOBILE - INV 1015
Amount:	\$5,000.00

Component Description:	KTIV-RF NOTE- INV 1015-CH14 FCC REQUIRES LM NOTIFICATION- LAST PAGE HAS QUOTE WITH PO 20008 THAT CLEARLY SHOWS TWO 5000 PAYMENTS FOR THIS SERVICE THAT HAS BEEN FULLY EARNED
Amount:	\$5,000.00

Component Description:	KTIV-RF NOTE- CH14 REQUIRES LM NOTIFICATION- LAST PAGE HAS QUOTE WITH PO 20008 THAT CLEARLY SHOWS TWO 5000 PAYMENTS FOR THIS SERVICE THAT HAS BEEN FULLY EARNED
Amount:	\$5,000.00

	Component Description: KTIV-RF NOTIF - LAND MOBILE INV 1005 Amount: \$5,000.00
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	Component Description: MAIN TX DEPOSIT INVOICE KTIV per Q-62047 lines A, B and E Amount: \$603,873.41 Component Description: KTIV- GATES MAIN- 3RD INV TE10004376-3- SEE MATRIX - LINE A AND B- UPGRADE ONLY - SEE NOTES 5-29 FCC EMAIL Amount: \$416,916.32 Component Description: KTIV- QCOMM - INSTALLATION - PROOF CH14 TURN UP SUPPORT INV QC19-003 Amount: \$10,000.00 Component Description: Remaining amount for Line E. INV US0320883; PO 19965. See cover letter for further explanation. Amount: N/A

Component Description:	KTIV-GATES-MAIN TX -1ST- INVOICE TE10004376-per Q- 62047 lines A, B and E RESUBMITTED 7- 27
Amount:	\$447,687.75

Component Description:	KTIV-GATES-MAIN TX -2ND- INVOICE TE10004376-2 per Q-62047 lines A, B and E- PER 7-20-18 RFAS- ROUNDED UP 1 CENT.
Amount:	\$447,687.76

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-24WB-1-R	\$111,130.00	\$106,200.00		\$29,541.56	
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 300 kW input, directional,, elliptically or circularly polarized	<i>\$0.00</i>	\$0.00	Cost of antenna is included in the KPTH deal. Shared with KTIV, KPTH and KMEG.	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$80,000.00	each station requires a combiner to make the interim shared line and antenna work.	\$12,000.00	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$13,300.00	This cost will be shared with KPTH and KTIV, and KPTH is purchasing this equipment.	\$11,141.56	N/A
SWEEP NEW LINE AND ANTENNA	<i>\$6,500.00</i>	\$6,500.00	SWEEP FINAL CONFIGURATION OF INTERIM ANTENNA AND LINE BEFORE TURN UP.	N/A	N/A

Primary Antenna TFU-31ETT	\$345,430.00	\$301,653.87		\$271,149.29	
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$24,753.87	Per invoice actual costs.	\$24,753.87	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$235,000.00	Verified amount 10-12-17 - the change in antenna from the preliminary model does not affect the verified amount	\$223,036.88	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A
FREIGHT EQUIPMENT	\$25,000.00	\$25,000.00	FREIGHT FOR ANTENNA AND LINE FOR THE INTERIM AND MAIN NEW SYSTEM FROM MFG TO STORAGE OR STAGING AREA.	\$12,848.54	N/A
SWEEP NEW ANTENNA AND LINE	\$10,500.00	\$10,500.00	SWEEP FINAL CONFIGURATION OF INTERIM ANTENNA AND LINE BEFORE TURN UP. MAY REQUIRE MULTIPLE SWEEPS.	\$4,750.00	N/A
Sub-total	\$456,560.00	\$407,853.87	N/A	\$300,690.85	N/A
Total for all systems	\$6,317,281.80	\$5,499,123.24	N/A	\$3,714,713.32	N/A

Components

Actual Information	
Description	File Name
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 300 kW input, directional,, elliptically or circularly polarized	Information not provided.
Sweep test of existing antenna	<p>Component Description: KTIV- DIE - SWEEP INT ANT - INV 323009</p> <p>Amount: \$6,400.00</p>
New combiner, cost per channel (without antenna)	<p>Component Description: KTIV-QCOMM-COMBINER INSTALLATION FOR INTERIM OPERATIONS INV QC19-006</p> <p>Amount: \$12,000.00</p>
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	<p>Component Description: KTIV- DIE - INTERIM ELBOW COMPLEX PARTS - INV 277011</p> <p>Amount: \$9,000.00</p> <p>Component Description: KTIV- INTERIM ANT LINE REDUCER CONNECTION - PART PLUS FREIGHT - NOT QUOTED.</p> <p>Amount: \$2,141.56</p>
SWEEP NEW LINE AND ANTENNA	Information not provided.

Elbow complex,
broadband, at antenna
input, per 6 1/8. feedline (if
needed)

Component Description:

ELBOW -
DEPOSIT 10% -
LINE 4

Amount:

\$925.50

Component Description:

ERI - Includes
sales tax and
freight not
estimated on
original quote. INV
52309; PO 20475

Amount:

\$15,753.42

Component Description:

KTIV-DIE-ELBOW -
2ND 45% - LINE 4.
3-29-uploaded
Order Conf. 402001
- Line 26 is V-POL
upgrade not billed
to FCC

Amount:

\$4,835.70

Component Description:

ELBOW - 35% -
LINE 4.

Amount:

\$3,239.25

Component Description:

KTIV-DIE-MAIN-
2ND 45PERCENT -
INV MAN00247
LINE 4. Order Conf
- 402001

Amount:

\$4,835.70

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	Component Description: Amount:	KTIV-DIE-MAIN-2ND 45PERCENT - INV MAN00247 LINES 1,2 AND 3. 3-29-Uploaded Order Conf - 40200. V-POL upgrade is line not billed to FCC. \$111,518.44
	Component Description: Amount:	MAIN ANTENNA - DEPOSIT 10% LINES 1,2 AND 3. \$24,781.88
	Component Description: Amount:	MAIN-ANTENNA-35% 11/1- LINES 1,2 AND 3. \$86,736.56
	Component Description: Amount:	KTIV-DIE-MAIN-2ND 45PERCENT - INV MAN00247 LINES 1,2 AND 3. Order Conf - 402001. V-POL upgrade is line 26 not billed to FCC. INV LESS 18,765.00 UPGRADE - amended 399 Antenna model \$111,518.44

Sweep test of existing antenna

Component Description: KTIV-DIE-MAIN-
2ND 45PERCENT -
INV MAN00247
LINE 25. Order
Conf - 402001.
Amount: \$2,880.00

Component Description: KTIV-MAIN
SWEEP- 2ND 45%-
LINE 25.
MAN00247
Amount: \$2,880.00

Component Description: MAIN ANTENNA -
SWEEP TEST -
DEPOSIT 10% -
LINE 25
Amount: \$640.00

Component Description: MAIN ANTENNA
SWEEP- 35%-LINE
25.
Amount: \$2,240.00

FREIGHT EQUIPMENT	<table> <tr> <td data-bbox="703 174 1011 208">Component Description:</td><td data-bbox="1145 174 1374 324">KTIV- DIE FREIGHT FOR MAIN LINE PARTS INV 242028</td></tr> <tr> <td data-bbox="703 336 813 369">Amount:</td><td data-bbox="1145 336 1241 369">\$420.07</td></tr> <tr> <td data-bbox="703 477 1011 510">Component Description:</td><td data-bbox="1145 477 1355 584">KTIV-MAIN ANT - FREIGHT- INV- 162009</td></tr> <tr> <td data-bbox="703 595 813 629">Amount:</td><td data-bbox="1145 595 1278 629">\$11,378.83</td></tr> <tr> <td data-bbox="703 736 1011 770">Component Description:</td><td data-bbox="1145 736 1350 920">KTIV-DIE- FREIGHT - INTERIM ELBOX COMPLEX INV 277011</td></tr> <tr> <td data-bbox="703 931 813 965">Amount:</td><td data-bbox="1145 931 1262 965">\$1,049.64</td></tr> </table>	Component Description:	KTIV- DIE FREIGHT FOR MAIN LINE PARTS INV 242028	Amount:	\$420.07	Component Description:	KTIV-MAIN ANT - FREIGHT- INV- 162009	Amount:	\$11,378.83	Component Description:	KTIV-DIE- FREIGHT - INTERIM ELBOX COMPLEX INV 277011	Amount:	\$1,049.64
Component Description:	KTIV- DIE FREIGHT FOR MAIN LINE PARTS INV 242028												
Amount:	\$420.07												
Component Description:	KTIV-MAIN ANT - FREIGHT- INV- 162009												
Amount:	\$11,378.83												
Component Description:	KTIV-DIE- FREIGHT - INTERIM ELBOX COMPLEX INV 277011												
Amount:	\$1,049.64												
SWEEP NEW ANTENNA AND LINE	<table> <tr> <td data-bbox="703 1106 1011 1140">Component Description:</td><td data-bbox="1145 1106 1362 1330">KTIV- RUCK - MAIN LINE AND ANT SWEEP FOR TURN UP ON CH14 - INV 1801294</td></tr> <tr> <td data-bbox="703 1344 813 1377">Amount:</td><td data-bbox="1145 1344 1262 1377">\$4,750.00</td></tr> </table>	Component Description:	KTIV- RUCK - MAIN LINE AND ANT SWEEP FOR TURN UP ON CH14 - INV 1801294	Amount:	\$4,750.00								
Component Description:	KTIV- RUCK - MAIN LINE AND ANT SWEEP FOR TURN UP ON CH14 - INV 1801294												
Amount:	\$4,750.00												

Cost
Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$635,600.00	\$605,640.00		\$449,534.14	
Rigid Transmission Line - copper, 7 3/16"	\$620,600.00	\$590,640.00	N/A	\$434,534.14	N/A
Disconnect existing Interior RF components	<i>\$15,000.00</i>	\$15,000.00	Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.	\$15,000.00	N/A
Sub-total	\$635,600.00	\$605,640.00	N/A	\$449,534.14	N/A
Total for all systems	\$6,317,281.80	\$5,499,123.24	N/A	\$3,714,713.32	N/A

Components

Actual Information Description	File Name
Rigid Transmission Line - copper, 7 3/16"	

Component Description:	KTIV- DIE - MAIN LINE PARTS INV 242048 INV 2 OF PO 20350
Amount:	\$1,300.00

Component Description:	Dielectric - T/L, elbow - INV 317001 - PO 19938
Amount:	\$7,605.00

Component Description:	KTIV- DIE LINE PARTS FOR MAIN INV 252015 QUOTE 1696618
Amount:	\$3,500.00

Component Description:	MAIN-TX LINE- 10% LINE 5.
Amount:	\$46,751.70

Component Description:	KTIV- DIE -LINE PARTS FOR MAIN ANTENNA - INV 242008 PO 20350
Amount:	\$163.00

Component Description:	KTIV - Dielectric - T /L length - INV 187002 - PO 19938
Amount:	\$5,618.15

Component Description:	Dielectric - T/L, freight - INV 318006, PO 19938
Amount:	\$11,649.86

	Component Description:	TX LINE - MAIN - 35% -11/1 LINE 5.
	Amount:	\$163,630.95
	Component Description:	KTIV-DIE-MAIN- 2ND 45PERCENT - INV MAN00247 LINES 5,30 AND 31. Order Conf - 402001.
	Amount:	\$213,570.34
	Component Description:	Dielectric - T/L, xfmr, freight - INV 277013 - PO 19938
	Amount:	\$4,939.69
	Component Description:	KTIV-DIE-ANT LINE - 2ND 45% INV MAN00247 - LINES 5,30 AND 31
	Amount:	\$213,570.34
Disconnect existing Interior RF components	Component Description:	KTIV-QCOMM DECOMM - RF COMPONENTS INV QC19-013
	Amount:	\$15,000.00

Cost
Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$862,000.00	\$819,000.00		\$194,451.10	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$400,000.00	N/A	\$194,451.10	N/A
Structural engineering tower load study for a documented tower with candelabra	\$20,000.00	\$19,000.00	N/A	\$0.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	N/A	N/A
Sub-total	\$862,000.00	\$819,000.00	N/A	\$194,451.10	N/A
Total for all systems	\$6,317,281.80	\$5,499,123.24	N/A	\$3,714,713.32	N/A

Components

Actual Information	
Description	File Name

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<div> Component Description: Final invoice on PO 20012; Tower work; INV 7573; PO 20012. Amount includes taxes not calculated on original PO. </div> <div> Amount: \$53,928.00 </div>
	<div> Component Description: KTIV - PCI - additional weather days and work outside of scope of Prop 17616-5. See attached addendum </div> <div> Amount: \$19,848.50 </div>
	<div> Component Description: KTIV- PCI - ANT INSTALL - ACCEPTANCE INV - 7473 </div> <div> Amount: \$53,917.30 </div>
	<div> Component Description: KTIV - PCI - 3 weather days - INV 7440 - PO 20012. T&C 2 (a) </div> <div> Amount: \$12,840.00 </div>
	<div> Component Description: KTIV-TOWER CREW ARRIVAL 5-2-18- AT SITE INV. 7241 </div> <div> Amount: \$53,917.30 </div>
Structural engineering tower load study for a documented tower with candelabra	Information not provided.
Major tower reinforcement /modifications	Information not provided.

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 Justification
Outside Professional Services	\$476,483.18	\$456,683.18		\$307,236.29	
General Repack Legal Services	<i>\$20,043.57</i>	\$20,043.57	memo-QMI Repack Invoice Memo for Shared Legal Expenses (Matter 104411 00054) for Form 399- 3-5-19 - legal services budget required additional funds to complete the PH 1 CH14 and shared facilities issues. Consolidate other open Legal billable line items.	\$20,043.57	Actual invoice
Project management of the transition	\$221,990.00	\$210,750.00	QC18-018-480.00 WAS NOT SPLIT OUT TO PM TRAVEL LINE ITEM CAUSING THE PM TOTAL TO BE OVER REPORTED BY 480.00 AND TRAVEL UNDERSTATED 480.00. WE WILL REDUCE TRAVEL BY THE SAME AMOUNT.	\$210,622.50	

Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$0.00	NEW C 14 AN AND APPL REC MOR THE I AMO ATTI DUE - MC INTERI IS:
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$0.00	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$1,175.00	
Prepare request for Special Temporary Authorization	\$8,200.00	\$6,000.00	N/A	\$1,500.00	

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$4,901.00
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	\$1,895.00
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$14,720.00	\$14,000.00	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A
Quarterly reporting	\$5,000.00	\$5,000.00	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.	N/A

Vendor Travel Expenses	\$21,485.00	\$21,485.00	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project - see quote for estimated expenses. Q-17002-3-8-19 MINUS 480.00 TO OFFSET QC18-018 BEING CHARGED TO PM.	\$18,978.61	4-2-u revise QC17 corre
Plumbing work for TX cooling systems	\$33,384.00	\$33,384.00	KTIV- Plumbing for cooling systems fro new transmitters both Interim and Main. per local contractor Quote attached to inv.	\$9,850.00	
Electric work and materials for Interim and Main	\$38,270.61	\$38,270.61	***System Notice: Estimate adjusted and locked because line has been superseded. ***ELECTRICAL MATERIALS AND WORK FOR BOT INTERIM AND MAIN TRANSFORMER PER SCHRAMM QUOTE AND PO 20224.	\$38,270.61	
Sub-total	\$476,483.18	\$456,683.18	N/A	\$307,236.29	
Total for all systems	\$6,317,281.80	\$5,499,123.24	N/A	\$3,714,713.32	

Components

Actual Information	
Description	File Name
General Repack Legal Services	
	Component Description: KTIV- BROOKS - MAR18- INV3951194
	Amount: \$148.50
	Component Description: KTIV - BROOKS - APRIL18- INV3952577
	Amount: \$330.00
	Component Description: Brooks-General - AUG 17 - inv 1/7th
	Amount: \$117.85
	Component Description: KTIV-BROOKS- LEGAL INV 3949052 - JAN18
	Amount: \$49.50
	Component Description: General Repack Legal services for period ending March, 2018. \$28.29 is KTIV portion.
	Amount: \$28.29
	Component Description: Revised - See Cover letter for explanation of breakdwon between stations. General Repack Legal Services for period ending January 2018
	Amount: \$35.35

Component Description:	KTIV Repack Legal Services; KTIV license
Amount:	\$52.00

Component Description:	10/28/19 KTIV- Brooks-Gen Legal Dec. '17, INV 3947925 \$40.29 is KTIV portion
Amount:	\$40.29

Component Description:	KTIV - Brooks - Legal for period ending Aug 31, 2019 - INV 3970120
Amount:	\$208.00

Component Description:	Legal services for repack for period ending December 2017
Amount:	\$658.00

Component Description:	General Repack legal services for KTIV for period ending February, 2018. \$28.29 KTIV portion. See attached cover sheet.
Amount:	\$28.29

Component Description:	General Repack Legal Services for period ending April 2018. \$28.28 is KTIV portion.
Amount:	\$28.28

Component Description:	general legal period ending 1/31 /2020. INV 3977751
Amount:	\$52.00

Component Description:	KTIV- BROOKS JULY18-LEGAL INV 3955730
Amount:	\$1,386.00

Component Description:	KTIV - LEGAL fees - FEB18 - INV 3950146 4- 16- changed inv date
Amount:	\$49.50

Component Description:	KTIV-BROOKS - LEGAL DEC18 - INV 3960716
Amount:	\$6,637.50

Component Description:	KTIV-BROOKS- GEN LEGAL JULY17 INV 3942230 -RESUB 3-7-19-3-21 ADDED GEN MEMO
Amount:	\$275.00

Component Description:	KTIV-BROOKS- LEGAL - OCT18 - INV 3959627
Amount:	\$1,914.00

Component Description:	KTIV-BROOKS- JUNE18-INV 3954662
Amount:	\$99.00

Component Description:	Brooks-General - Sept-17-INV 1/7th
Amount:	\$80.57

Component Description:	KTIV-BROOKS GEN LEGAL MAY17-INV 3940170 - RESUB 3-7-19 - 3-21- ADDED GENERAL MEMO 11-17
Amount:	\$190.86

Component Description:	KTIV- BROOKS - MAY18 - INV 3953757
Amount:	\$396.00

Component Description:	Brooks-General- OCT17- inv 1/7th
Amount:	\$322.28

Component Description:	KTIV-BROOKS - LEGAL DEC18 INV 3961871
Amount:	\$247.50

Component Description:	KTIV Repack Legal Services; KTIV License
Amount:	\$208.00

Component Description:	KTIV-BROOKS- LEGAL AUG18 - INV 3957117
Amount:	\$2,161.50

Component Description:	KTIV- BROOKS GEN LEGAL - JUNE17 - INV 3941325 RESUB 3-7-19
Amount:	\$266.44

Component Description:	Brooks-General- July 17 - inv 1/7th
Amount:	\$275.00

Component Description:	Brooks General - JUNE 17 -inv-1 /7th INV 3941325 CL
Amount:	\$266.44

Component Description:	Brooks-General Fee May-17-1/7th
Amount:	\$190.85

Component Description:	KTIV - BROOKS LEGAL SEPT18 - INV 3958277
Amount:	\$3,811.50

Component Description:	Brooks-General- NOV17-inv 1/7th
Amount:	\$221.57

Project management of the transition	Component Description: KTIV-QCOMM - PM AUG-NOV 18 Amount: - INV QC19-015 \$59,175.00
	Component Description: KTIV-QCOMM- PM-INV QC17-144 -MAR THRU AUG17- QTE QC17002-RFAS INFO UPLOADED Amount: \$24,187.50
	Component Description: KTIV- QCOMM- PM-APRIL- JULY18 -INV QC18-063 PO 19807-20391 ADDED CL Amount: \$78,577.50
	Component Description: KTIV- PM- 1 THRU 3-18 INV QC18-047 Amount: \$25,387.50
	Component Description: KTIV-QCOMM- PM 8-18-17- INV QC18-018 Amount: \$23,295.00
Prepare and or review reimbursement form	Information not provided.
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.

Perform engineering study for new channel assignment and antenna development	<div> Component Description: CP ALT CH ANALYSIS</div> <div> Amount: \$5,210.00 </div> <div> Component Description: ENGR - NEW CHANNEL AND 399</div> <div> Amount: \$2,850.00 </div>
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<div> Component Description: ENGR - CP -</div> <div> Amount: \$1,885.00 </div>
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	<div> Component Description: KTIV-LOHNES-FORM 2100- PREP- INV 201811-0275-09-1- 3-21 ADDED RATE SHEET</div> <div> Amount: \$1,175.00 </div>
Prepare request for Special Temporary Authorization	<div> Component Description: KTIV-LOHNES- STA- INV 201809-0275-09-1 - 3-21 ADDED RATE SHEET</div> <div> Amount: \$1,500.00 </div>

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Brooks- Legal-KTIV-NOV17-inv \$329.00
	Component Description: Amount:	ATTY FEES - KTIV - JUNE 17 CP \$359.00
	Component Description: Amount:	ATY FEES MAY 17 CP \$453.00
	Component Description: Amount:	ATTY - CP SEPT 17 FEES \$141.00
	Component Description: Amount:	ATTY FEES CP - KTIV MAY17 \$752.00
	Component Description: Amount:	Brooks-KTIV-NOV17-legal-inv \$47.00
	Component Description: Amount:	ATTY FEES CP - AUG 17 KTIV \$2,820.00
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	

Attorney Fees - Negotiation of lease and other matters for shared locations	<div> Component Description: CH 14 NEW FACILITY SHARED WITH KPTH AND KMEG </div> <div> Amount: \$1,895.00 </div>
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
Quarterly reporting	Information not provided.
Vendor Travel Expenses	<div> Component Description: KTIV-QCOMM-PM-Travel expenses INV - QC17-144-QUOTE QC17002 - RFAS DOES NOT AFFECT THIS ITEM </div> <div> Amount: \$2,418.61 </div> <div> Component Description: KTIV-QCOMM-PM TRAVEL-AUG-NOV-18 -INV QC19-015 </div> <div> Amount: \$16,560.00 </div>

Plumbing work for TX cooling systems	<div> <div> Component Description: KTIV- FOULK - PLUMBING INV 381368 - 2ND INV FOR PROGRESS PAYMENT </div> <div> Amount: \$3,850.00 </div> </div> <div> <div> Component Description: KTIV- FOULK - PLUMBING INV 3802866 - PROGRESS PAYMENT </div> <div> Amount: \$6,000.00 </div> </div>
Electric work and materials for Interim and Main	<div> <div> Component Description: KTIV-SCHRAMM- ELEC-INV 2781 6- 13-corrected \$ </div> <div> Amount: \$21,613.38 </div> </div> <div> <div> Component Description: KTIV-SCHRAMM ELEC-INV2759 </div> <div> Amount: \$16,657.23 </div> </div>

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	\$63,580.00	\$63,015.00		\$10,358.96	
SITE SAFETY AND CLEARING PREP	<i>\$3,500.00</i>	\$3,500.00	CLEAR THE CONTROLLED AREA AROUND THE TOWER OF BRUSH AND APPLY INSECTICIDE TO PREVENT ACCIDENTS AND PROMOTE A SAFE SITE AND MINIMIZING RISK.	\$0.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$2,950.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	\$10,000.00	\$10,000.00	Rent 40 yard dumpster with multiple pickups. Estimated 6-months on site. Potential hazardous waste management issues.	\$4,273.96	N/A
Equipment Delivery and Handling Charges	\$8,000.00	\$8,000.00	Transport and handling fees from staging area to transmitter site.	\$3,135.00	N/A
Equipment Storage	\$10,000.00	\$10,000.00	Expecting multiple staggered equipment deliveries from different vendors and need to store and stage new equipment prior to installation date. Anticipate from 6-24 months of storage time.	\$0.00	N/A
Develop and air announcement of upcoming channel change	\$15,000.00	\$15,000.00	Required FCC announcements and good will public relations must we upheld. The production airing and disseminating of these announcements are fundamental to our operations.	N/A	N/A

MVPD Notification of Channel Change	\$5,000.00	\$5,000.00	Required FCC notifications.	N/A	N/A
Sub-total	\$63,580.00	\$63,015.00	N/A	\$10,358.96	N/A
Total for all systems	\$6,317,281.80	\$5,499,123.24	N/A	\$3,714,713.32	N/A

Components

Actual Information Description	File Name
SITE SAFETY AND CLEARING PREP	<p>Component Description: KTIV- SITE CLEARING-PEST- JAY LAN - INV NONE GIVEN - USING ACCOUNT NO. 5961</p> <p>Amount: \$2,006.25</p>
DTV Medical Facility Notification	<p>Component Description: KTIV-RF NOTIF- MED - INV 1029</p> <p>Amount: \$2,950.00</p> <p>Component Description: KTIV-RF Notification-inv-1005</p> <p>Amount: \$5,000.00</p>
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	

Component Description:	KTIV- LINDBLOM - ROLLOFF MAY18 - INV 84872- 11-20 stand roll off price no quote. 12-21- ADDED EMAIL RATES FROM LINDBLOM
Amount:	\$96.30

Component Description:	KTIV-LINDBLOM- ROLLOFF - MAY18 - INV 83469 -11-20- this is standard rate roll-off and no quote available- 12- 21-ADDED EMAIL RATE SHEET FROM LINDBLOM
Amount:	\$374.25

Component Description:	KTIV- BIG S DISPOSAL AND MATERIAL HANDLING - INV 8 - 3-7- ADDED QUOTE
Amount:	\$1,165.00

Component Description:	KTIV-LINDBLOM- DISPOSAL NOV18 INV 88375
Amount:	\$292.54

Component Description:	KTIV-LINDBLOM- DISPOSAL OCT18 - INV 87588
Amount:	\$535.21

Component Description:	KTIV-LINDBLOM- DISPOSAL SEPT18 -INV 87293
Amount:	\$96.30

Component Description:	KTIV-LINDBLOM- DISPOSAL FEB19 INV 89883
Amount:	\$224.49

Component Description:	KTIV -LINDBLOM- DISPOSAL NOV18 2ND BOX- 1ST RELEASED 11-9 INV 88276 - LATE FEE DEDUCTED 5 DOLLARS
Amount:	\$288.90

Component Description:	KTIV-LINDBLOM - DISPOSAL JAN19 INV 89788
Amount:	\$99.51

Component Description:	KTIV-LINDBLOM - DISPOSAL JULY18 - INV 85311
Amount:	\$343.04

Component Description:	KTIV- LINDBLOM- DISPOSAL - AUG18 - INV 86175
Amount:	\$688.87

Component Description:	KTIV-LINDBLOM- DISPOSAL DEC18 - INV 89278
Amount:	\$69.55

Equipment Delivery and
Handling Charges

Component Description:	KTIV-BIG S - OFFLOAD TX LINE AND EQUIPMENT FROM DELIVERY TRUCK INV 12 - RESUB W QUOTE 3-7-19
Amount:	\$840.00
Component Description:	KTIV- BARHHART- LIFTING AND SETTING NEW CIF FILTER - PART OF MATERIAL HANDLING OF TX INSTALLATION COVERED UNDER GATES INSTALL. INV 46410
Amount:	\$2,295.00
Component Description:	KTIV- CASEYS- DELIVERY OF EQ FROM STORAGE STAGING FACILITY. INV 1020
Amount:	\$2,500.00
Component Description:	KTIV- CASEYS DELIVERY OF ADDITIONAL TX LINE FROM STORAGE STAGING FACILITY. 3-8-19 not reimbursable - removing request. zeroed out.
Amount:	N/A

Equipment Storage	<div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>KTIV-Storage inv-</div> <div>part of INV1002</div> <div>\$3,600.00</div> </div>
Develop and air announcement of upcoming channel change	Information not provided.
MVPD Notification of Channel Change	Information not provided.

**Cost
Information****Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$6,317,281.80	\$5,499,123.24	\$3,714,713.32

Reimbursement Status

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> 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.

<p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>BRADY DREASLER CORPORATE DIRECTOR OF ENGINEERING</p> <p>04/21/2020</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol style="list-style-type: none"> 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. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. 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.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>BRADY DREASLER CORPORATE DIRECTOR OF ENGINEERING</p> <p>04/21/2020</p>

Attachments