



(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: **0025026022** | Date **04/16**
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
Sales Tax - Non Exempt -IA	KTIV is not tax exempt from Iowa Sales tax - Gates calculates
Site Survey - TX	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.
Freight - MFG	Freight- from MFG to staging area or station
Transmitter - Training	Transmitter training - offsite - 1 week in duration at mfg site.

Transmitter Site Preparation	Site prep for installation of the interim and main transmitters and RF components not part of Installation SOW.
Disconnect existing Transmitter	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.
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.
TX Install Parts	Adapters, flange, pipe hangers
RF Accessories-other	RF Accessories on Gates Q-62047 for transmitters not captured on existing line items
Security System	Installed conduit as required for security camera system.
Install new circuit for Air load 3.	New 208v circuit for air load #3.
Demo Conduit and Wire	Demolition all non-utilized conduit to old transmitter & equipment.
ELECTRICAL EQ INSTALLATION	INT AND MAIN TX REQUIRE NEW ELECTRICAL SYSTEMS INSTALLATIONS
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.

**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
77451	KPTH	DTV
39665	KMEG	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
<p>Outside Project Management Services</p>	<p>Do you require outside project management services?</p>	<p>Yes</p>
	<p>Number of Hours</p>	<p>1405</p>
	<p>Explanation</p>	<p>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.</p>
<p>Outside RF consulting Engineering Services</p>	<p>Perform engineering study for new channel assignment and antenna development</p>	<p>Yes</p>
	<p>Prepare engineering section of Form FCC Construction Permit Application</p>	<p>Yes</p>
	<p>For Auxiliary Facility</p>	<p>No</p>
	<p>For Main Facility</p>	<p>Yes</p>
	<p>Prepare engineering section of Form FCC License to Cover Application</p>	<p>Yes</p>
	<p>For Auxiliary Facility</p>	<p>No</p>
	<p>For Main Facility</p>	<p>Yes</p>

	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
Services
Costs**

Other Professional Services Expenses Not Listed

Name	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	
Transmitter Site Preparation	<i>\$5,000.00</i>	\$5,000.00	Site prep for installation of the interim and main transmitters and RF components not part of Installation SOW.	\$5,000.00	
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	
Sales Tax est	<i>\$41,737.90</i>	\$41,737.90	as determined by GatesAir in the invoice	\$27,535.61	
UHF inside RF system including switching	\$147,500.00	\$140,000.00	N/A	\$32,765.43	
2" Rigid Conduit and Wiring (Cost per foot)	\$13,000.00	\$12,500.00	N/A	N/A	
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$4,997.49	
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$650,000.00	N/A	\$554,212.02	

25 Ton system	\$91,500.00	\$87,000.00	N/A	N/A
Primary Transmitter ULXTE-100	\$2,742,720.72	\$2,116,893.29		\$1,820,231.43
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
Channel 14 remediation	<i>\$25,000.00</i>	\$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
ELECTRICAL EQ INSTALLATION	<i>\$99,000.00</i>	\$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
Demo Conduit and Wire	<i>\$716.90</i>	\$716.90	Costs to demo non-utilized conduit and wire to old transmitter and equipment.	\$716.90

Install new circuit for Air load 3.	<i>\$374.50</i>	\$374.50	Costs to pull new 208v circuit for air load #3. Cost per actual invoice.	\$0.00
Security System	<i>\$4,761.50</i>	\$4,761.50	Security system to be replaced due to repack. Costs per actual invoice.	\$4,761.50
RF Accessories-other	<i>\$89,324.90</i>	\$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
TX Install Parts	<i>\$20,847.29</i>	\$20,847.29	Costs per actual invoice. Gates invoice US0320883; change orders 79109 and 79109-1.	\$20,847.29
Security - Site	<i>\$17,500.00</i>	\$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
Disconnect existing Transmitter	<i>\$25,000.00</i>	\$25,000.00	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	\$23,500.00

Transmitter Site Preparation	<i>\$10,500.00</i>	\$10,500.00	Site prep for installation of the interim and main transmitters and RF components not part of Installation SOW.	\$10,500.00
Transmitter - Training	<i>\$3,300.00</i>	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A
Freight - MFG	<i>\$17,300.00</i>	\$17,300.00	Freight- from MFG to staging area or station	\$13,000.00
Site Survey - TX	<i>\$25,000.00</i>	\$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
Sales Tax - Non Exempt -IA	<i>\$133,564.18</i>	\$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
Additional field engineering time, 10-30 days	\$63,100.00	\$60,000.00	N/A	N/A
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
RF Consulting Engineer	\$5,260.00	\$5,000.00	N/A	\$0.00

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	
2" Rigid Conduit and Wiring (Cost per foot)	\$13,000.00	\$12,500.00	N/A	\$1,599.65	
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	
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 S
Service entrance 3 phase/800 amp /208 volt	\$14,400.00	\$13,700.00	N/A	N/A	
UHF - Liquid Cooled Solid State Transmitter 62.9 kW	\$30,771.45	\$30,771.45	N/A	\$30,771.45	

Sub-total	\$3,772,058.62	\$3,097,831.19	N/A	\$2,452,441.98
Total for all systems	\$6,317,238.23	\$5,499,079.67	N/A	\$3,694,812.82

Components

Actual Information	
Description	File Name
Transmitter Site Preparation	<p>Component Description: KTIV-PREP-INTERIM - INV-QC18-057</p> <p>Amount: \$5,000.00</p>
Freight - TX eq	<p>Component Description: KTIV-GATES-INT INV TE10004337-3 - FREIGHT</p> <p>Amount: \$7,700.00</p>
Sales Tax est	<p>Component Description: KTIV- GATES-INT TX - Sales tax PORTION OF TE10004377-3</p> <p>Amount: \$13,622.97</p> <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>

UHF inside RF system including switching	<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>
	<p>Component Description: Gates- INT TX - RF - KTIV - Line C</p> <p>Amount: \$10,921.81</p>
	<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>
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

Switchgear - industrial 800
amp

Component Description:

Gates - INT TX-
KTIV - ELEC line D
see Quote Q-62042
-2nd invoice
uploaded

Amount:

\$1,665.83

Component Description:

KTIV-GATES INT
TX INV
TE10004377-3 -line
D Quote Q-62042-
SWITCHGEAR

Amount:

\$1,665.83

Component Description:

Gates - INT TX-
KTIV - ELEC line D
see inv and quote Q-
62042

Amount:

\$1,665.83

<p>UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW</p>	<p>Component Description: KTIV-Gates-INT TX - BALANCE INV TE10004377-3- LINES A, B and E - of quote Q-62042</p> <p>Amount: \$181,883.52</p>
<p>UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW</p>	<p>Component Description: Gates-INT TX - KTIV - 1/3 dep lines A, B and E - see revised INV and Q-62042</p> <p>Amount: \$186,164.25</p>
<p>UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW</p>	<p>Component Description: Gates-INT TX - KTIV - 2nd payment- LINES lines A, B and E - of quote Q-62042 uploaded- see for details.</p> <p>Amount: \$186,164.25</p>
<p>25 Ton system</p>	<p>Information not provided.</p>
<p>UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW</p>	<p>Component Description: Remaining amount for Line E. INV US0320883; PO 19965. See cover letter for further explanation.</p> <p>Amount: N/A</p>
<p>UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW</p>	<p>Component Description: KTIV- QCOMM - INSTALLATION - PROOF CH14 TURN UP SUPPORT INV QC19-003</p> <p>Amount: \$10,000.00</p>

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

Component Description: MAIN TX DEPOSIT
INVOICE KTIV per
Q-62047 lines A, B
and E
Amount: \$603,873.41

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

Channel 14 remediation

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

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
1005
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 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

	<p>Component Description: KTIV- RF NOTIF - LAND MOBILE - INV 1015</p> <p>Amount: \$5,000.00</p>
<p>ELECTRICAL EQ INSTALLATION</p>	<p>Component Description: Main - Schramm - electric demo - INV 3140 - PO 20610</p> <p>Amount: \$6,650.05</p> <p>Component Description: KTIV-SCHRAMM- ELEC- MAIN TX - INV 2806 -RESUB- 3-7-19</p> <p>Amount: \$46,954.00</p> <p>Component Description: KTIV-SCHRAMM ELEC -MAIN TX- INV 2873</p> <p>Amount: \$21,044.10</p> <p>Component Description: KTIV- SCHRAMM ELEC - CO NEW PO - TO FINISH TX- INV 2857 QUOTE ADDED</p> <p>Amount: \$3,076.25</p> <p>Component Description: KTIV- SCHRAMM- ELEC MAIN TX- INV 2952</p> <p>Amount: \$20,901.50</p>

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

RF Accessories-other	<p>Component Description: KTIV-Gates-INV TE10004376-2- LINE C. RF Accessories per Q- 62047 - 2nd 1/3 payment OF -72</p> <p>Amount: \$29,774.97</p> <p>Component Description: KTIV-GATES-RF ACCESS-INV TE10004376 - LINE C - RESUBMITTED 7-27</p> <p>Amount: \$29,774.97</p> <p>Component Description: 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</p> <p>Amount: \$29,774.96</p>
TX Install Parts	<p>Component Description: Adapters, Flange, Pipe hangers to install tx. US0320883 - PO 19965 - change order 79109 and 79109-1</p> <p>Amount: \$20,847.29</p>

Security - Site

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-SECURITY-5
/31-6/9 ON SITE
INV23792

Amount: \$2,942.50

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

Disconnect existing Transmitter	<p>Component Description: KTIV- QCOMM- DECOMM - TRANSMITTER - INV Q19-013</p> <p>Amount: \$23,500.00</p>
Transmitter Site Preparation	<p>Component Description: KTIV-PREP- MAIN- INV- QC18-057</p> <p>Amount: \$10,500.00</p>
Transmitter - Training	Information not provided.
Freight - MFG	<p>Component Description: KTIV - US0320883 - freight to ship equipment to site.</p> <p>Amount: \$13,000.00</p> <p>Component Description: 7-26-18 - ELIMINATING THE EST TAX FOR THIS SUBMITTAL.</p> <p>Amount: N/A</p>
Site Survey - TX	<p>Component Description: KTIV - SURVEY - INV-QC18-025</p> <p>Amount: \$18,500.00</p>

Sales Tax - Non Exempt - IA	<p>Component Description: KTIV-GATES-MAIN-TX-SALES TAX 2ND INV - TE10004376-2- 6-13- ZEROED OUT PER RFAS 5-21</p> <p>Amount: N/A</p>
	<p>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.</p> <p>Amount: \$44,521.39</p>
	<p>Component Description: KTIV - GATES - MAIN - SALES TAX AT 7 PERCENT WAS DUE AND PAID.</p> <p>Amount: \$101,177.09</p>
	<p>Component Description: KTIV-GATES-MAIN-TX-SALES TAX 1ST INV - TE10004376 - -6-13- PER 5-21-RFAS- REMOVED EST TAX</p> <p>Amount: N/A</p>
Additional field engineering time, 10-30 days	Information not provided.
Channel 14 Mask Filter	Information not provided.
RF Consulting Engineer	Information not provided.

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>
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>

Transformer 3 phase/480v
- 300 KVA

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-SCHRAMM-ELEC-TRANSFORMER-INV2739
Amount: \$26,970.00

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

Switchgear - industrial 800 amp	<p>Component Description: KTIV-Gates- MAIN TX - RF - Q-62047 line C. 5-1 - ZEROED out and added to Line Item - RF Accessories- other</p> <p>Amount: N/A</p> <p>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</p> <p>Amount: N/A</p> <p>Component Description: Gates- MAIN TX - RF KTIV - Q-62047 line C.</p> <p>Amount: \$27,813.58</p>
Service entrance 3 phase /800 amp/208 volt	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 62.9 kW	<p>Component Description: 4th Invoice Main TX; KTIV - Gates - INV US0320883 - PO 19965 - Q-79109 - Q-79109-1</p> <p>Amount: \$30,771.45</p>

**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	
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
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
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
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
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

Primary Antenna TFU-31ETT	\$345,430.00	\$301,653.87		\$271,149.29	
SWEEP NEW ANTENNA AND LINE	<i>\$10,500.00</i>	\$10,500.00	SWEEP FINAL CONFIGURATION OF INTERIM ANTENNA AND LINE BEFORE TURN UP. MAY REQUIRE MULTIPLE SWEEPS.	\$4,750.00	N/A
FREIGHT EQUIPMENT	<i>\$25,000.00</i>	\$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 test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	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
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
Sub-total	\$456,560.00	\$407,853.87	N/A	\$300,690.85	N/A
Total for all systems	\$6,317,238.23	\$5,499,079.67	N/A	\$3,694,812.82	N/A

Components

Actual Information Description	File Name
SWEEP NEW LINE AND ANTENNA	Information not provided.
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	<p>Component Description: KTIV- INTERIM ANT LINE REDUCER CONNECTION - PART PLUS FREIGHT - NOT QUOTED.</p> <p>Amount: \$2,141.56</p> <p>Component Description: KTIV- DIE - INTERIM ELBOW COMPLEX PARTS - INV 277011</p> <p>Amount: \$9,000.00</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>
Sweep test of existing antenna	<p>Component Description: KTIV- DIE - SWEEP INT ANT - INV 323009</p> <p>Amount: \$6,400.00</p>
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 300 kW input, directional,, elliptically or circularly polarized	Information not provided.

SWEEP NEW ANTENNA AND LINE	<p>Component Description: KTIV- RUCK - MAIN LINE AND ANT SWEEP FOR TURN UP ON CH14 - INV 1801294</p> <p>Amount: \$4,750.00</p>
FREIGHT EQUIPMENT	<p>Component Description: KTIV-MAIN ANT - FREIGHT- INV- 162009</p> <p>Amount: \$11,378.83</p> <p>Component Description: KTIV-DIE- FREIGHT - INTERIM ELBOX COMPLEX INV 277011</p> <p>Amount: \$1,049.64</p> <p>Component Description: KTIV- DIE FREIGHT FOR MAIN LINE PARTS INV 242028</p> <p>Amount: \$420.07</p>

Sweep test of existing antenna

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

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

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized

Component Description: 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

Amount: \$111,518.44

Component Description: MAIN-ANTENNA-35% 11/1- LINES 1,2 AND 3.

Amount: \$86,736.56

Component Description: 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.

Amount: \$111,518.44

Component Description: MAIN ANTENNA - DEPOSIT 10% LINES 1,2 AND 3.

Amount: \$24,781.88

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

Component Description: ERI - Includes
sales tax and
freight not
estimated on
original quote. INV
52309; PO 20475
Amount: \$15,753.42

Component Description: ELBOW -
DEPOSIT 10% -
LINE 4
Amount: \$925.50

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

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	
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
Rigid Transmission Line - copper, 7 3 /16"	\$620,600.00	\$590,640.00	N/A	\$434,534.14	N/A
Sub-total	\$635,600.00	\$605,640.00	N/A	\$449,534.14	N/A
Total for all systems	\$6,317,238.23	\$5,499,079.67	N/A	\$3,694,812.82	N/A

Components

Actual Information	
Description	File Name

Disconnect existing Interior RF components	<p>Component Description: KTIV-QCOMM DECOMM - RF COMPONENTS INV QC19-013</p> <p>Amount: \$15,000.00</p>
Rigid Transmission Line - copper, 7 3/16"	<p>Component Description: Dielectric - T/L, elbow - INV 317001 - PO 19938</p> <p>Amount: \$7,605.00</p>
	<p>Component Description: Dielectric - T/L, xfmr, freight - INV 277013 - PO 19938</p> <p>Amount: \$4,939.69</p>
	<p>Component Description: KTIV-DIE-ANT LINE - 2ND 45% INV MAN00247 - LINES 5,30 AND 31</p> <p>Amount: \$213,570.34</p>
	<p>Component Description: KTIV-DIE-MAIN- 2ND 45PERCENT - INV MAN00247 LINES 5,30 AND 31. Order Conf - 402001.</p> <p>Amount: \$213,570.34</p>
	<p>Component Description: Dielectric - T/L, freight - INV 318006, PO 19938</p> <p>Amount: \$11,649.86</p>

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

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

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

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

Component Description: TX LINE - MAIN -
35% -11/1 LINE 5.
Amount: \$163,630.95

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

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		\$174,602.60	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$400,000.00	N/A	\$174,602.60	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	N/A	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
Sub-total	\$862,000.00	\$819,000.00	N/A	\$174,602.60	N/A
Total for all systems	\$6,317,238.23	\$5,499,079.67	N/A	\$3,694,812.82	N/A

Components

Actual Information	
Description	File Name

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

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	\$476,439.61	\$456,639.61		\$307,184.29	
Plumbing work for TX cooling systems	<i>\$33,384.00</i>	\$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	
Vendor Travel Expenses	<i>\$21,485.00</i>	\$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
Quarterly reporting	<i>\$5,000.00</i>	\$5,000.00	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.	N/A	

General Repack Legal Services	<i>\$20,000.00</i>	\$20,000.00	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.	\$19,991.57
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$14,720.00	\$14,000.00	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 FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$4,901.00	
Prepare request for Special Temporary Authorization	\$8,200.00	\$6,000.00	N/A	\$1,500.00	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$1,175.00	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$0.00	
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:

Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A
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
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	\$476,439.61	\$456,639.61	N/A	\$307,184.29

Total for all systems	\$6,317,238.23	\$5,499,079.67	N/A	\$3,694,812.82
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Components

Actual Information	
Description	File Name
Plumbing work for TX cooling systems	Component Description: KTIV- FOULK - PLUMBING INV 381368 - 2ND INV FOR PROGRESS PAYMENT Amount: \$3,850.00
	Component Description: KTIV- FOULK - PLUMBING INV 3802866 - PROGRESS PAYMENT Amount: \$6,000.00
	Component Description: KTIV-QCOMM- PM TRAVEL-AUG- NOV-18 -INV QC19-015 Amount: \$16,560.00
	Component Description: KTIV-QCOMM- PM-Travel expenses INV - QC17-144- QUOTE QC17002 - RFAS DOES NOT AFFECT THIS ITEM Amount: \$2,418.61
Vendor Travel Expenses	Information not provided.
Quarterly reporting	Information not provided.
General Repack Legal Services	

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

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

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

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

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

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

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

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

Component Description: General Repack
Legal services for
period ending
March, 2018.
\$28.29 is KTIV
portion.
Amount: \$28.29

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

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

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

Component Description: Brooks-General -
AUG 17 - inv 1/7th
Amount: \$117.85

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

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

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 -
LEGAL DEC18 -
INV 3960716
Amount: \$6,637.50

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

Component Description: KTIV-BROOKS-
LEGAL INV
3949052 - JAN18
Amount: \$49.50

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

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

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

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

Component Description: KTIV - BROOKS -
APRIL18-
INV3952577
Amount: \$330.00

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

Component Description: KTIV- BROOKS -
MAR18-
INV3951194
Amount: \$148.50

Comprehensive coverage verification via field study, if needed	Information not provided.				
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.				
Attorney Fees - Negotiation of lease and other matters for shared locations	<table data-bbox="703 405 1428 734"> <tr> <td data-bbox="703 472 1023 629">Component Description:</td> <td data-bbox="1023 472 1428 629">CH 14 NEW FACILITY SHARED WITH KPTH AND KMEG</td> </tr> <tr> <td data-bbox="703 629 1023 734">Amount:</td> <td data-bbox="1023 629 1428 734">\$1,895.00</td> </tr> </table>	Component Description:	CH 14 NEW FACILITY SHARED WITH KPTH AND KMEG	Amount:	\$1,895.00
Component Description:	CH 14 NEW FACILITY SHARED WITH KPTH AND KMEG				
Amount:	\$1,895.00				
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.				

<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<p>Component Description: ATTY FEES CP - AUG 17 KTIV Amount: \$2,820.00</p>
	<p>Component Description: ATTY FEES CP - KTIV MAY17 Amount: \$752.00</p>
	<p>Component Description: ATTY FEES - KTIV - JUNE 17 CP Amount: \$359.00</p>
	<p>Component Description: ATY FEES MAY 17 CP Amount: \$453.00</p>
	<p>Component Description: ATTY - CP SEPT 17 FEES Amount: \$141.00</p>
	<p>Component Description: Brooks- Legal- KTIV-NOV17-inv Amount: \$329.00</p>
	<p>Component Description: Brooks-KTIV- NOV17-legal-inv Amount: \$47.00</p>
<p>Prepare request for Special Temporary Authorization</p>	<p>Component Description: KTIV-LOHNES- STA- INV 201809-0275-09-1 - 3-21 ADDED RATE SHEET Amount: \$1,500.00</p>

<p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>	<p>Component Description: KTIV-LOHNES-FORM 2100- PREP- INV 201811-0275-09-1- 3-21 ADDED RATE SHEET</p> <p>Amount: \$1,175.00</p>
<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<p>Component Description: ENGR - CP -</p> <p>Amount: \$1,885.00</p>
<p>Perform engineering study for new channel assignment and antenna development</p>	<p>Component Description: ENGR - NEW CHANNEL AND 399</p> <p>Amount: \$2,850.00</p> <p>Component Description: CP ALT CH ANALYSIS</p> <p>Amount: \$5,210.00</p>
<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<p>Information not provided.</p>
<p>Prepare and or review reimbursement form</p>	<p>Information not provided.</p>

Project management of the transition

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

Component Description: KTIV-QCOMM -
PM AUG-NOV 18
- INV QC19-015
Amount: \$59,175.00

Component Description: KTIV-QCOMM-
PM-INV QC17-
144 -MAR THRU
AUG17- QTE
QC17002-RFAS
INFO UPLOADED
Amount: \$24,187.50

Electric work and materials
for Interim and Main

Component Description: KTIV-SCHRAMM
ELEC-INV2759
Amount: \$16,657.23

Component Description: KTIV-SCHRAMM-
ELEC-INV 2781 6-
13-corrected \$
Amount: \$21,613.38

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	
MVPD Notification of Channel Change	<i>\$5,000.00</i>	\$5,000.00	Required FCC notifications.	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$15,000.00</i>	\$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
Equipment Storage	<i>\$10,000.00</i>	\$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

Equipment Delivery and Handling Charges	<i>\$8,000.00</i>	\$8,000.00	Transport and handling fees from staging area to transmitter site.	\$3,135.00	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$10,000.00</i>	\$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
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$2,950.00	N/A
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

Sub-total	\$63,580.00	\$63,015.00	N/A	\$10,358.96	N/A
Total for all systems	\$6,317,238.23	\$5,499,079.67	N/A	\$3,694,812.82	N/A

Components

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

Equipment Delivery and Handling Charges

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 ADDITIONAL TX LINE FROM STORAGE STAGING FACILITY. 3-8-19 not reimbursable - removing request. zeroed out.
Amount: N/A

Component Description: KTIV- CASEYS- DELIVERY OF EQ FROM STORAGE STAGING FACILITY. INV 1020
Amount: \$2,500.00

Component Description: KTIV-BIG S - OFFLOAD TX LINE AND EQUIPMENT FROM DELIVERY TRUCK INV 12 - RESUB W QUOTE 3-7-19
Amount: \$840.00

Disposal Costs (for equipment and other waste, net of any salvage value)

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

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

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

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-
DISPOSAL DEC18 -
INV 89278
Amount: \$69.55

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-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 -
AUG18 - INV 86175

Amount: \$688.87

Component Description: KTIV-LINDBLOM-
DISPOSAL NOV18
INV 88375

Amount: \$292.54

	<p>Component Description: KTIV-LINDBLOM-DISPOSAL SEPT18 -INV 87293</p> <p>Amount: \$96.30</p>
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
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>
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>

Cost Information **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$6,317,238.23	\$5,499,079.67	\$3,694,812.82

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"> <li data-bbox="726 772 1013 1164">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. <li data-bbox="726 1198 997 1433">2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. <li data-bbox="726 1467 1013 1747">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 above-named applicant for the Authorization(s) specified above.

**BRADY
DREASLER**
*CORPORATE
DIRECTOR
OF
ENGINEERING*

04/16/2020

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	<p>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).</p>	
		<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.

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 above-named applicant for the Authorization(s) specified above.

**BRADY
DREASLER**
*CORPORATE
DIRECTOR
OF
ENGINEERING*

04/16/2020

Attachments