Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **35666** | Service: **DTV** | Call Sign: **KTEN** | Channel: **17 (UHF)**

File Number: **0000027674**

FRN: **0003755279** | Date Submitted: **07/24/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
CHANNEL 49 ACQUISITION CORPORATION Doing Business As: CHANNEL 49 ACQUISITION CORPORATION	150 Fayetteville Street Suite 1700 Raleigh, NC 27602 United States	+1 (919) 839-0300	cramsey@brookspierce.com	Corporation

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
Bob Pectelidis *Director of Engineering* *CHANNEL 49 ACQUISITION CORPORATION*	Bob Pectelidis 3914 Wistar Road Richmond, VA 23228 United States	+1 (804) 672-6565	bob@lockwoodbroadcast.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.	No
Briefly describe transition plan	See attached

Transmitters

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

Auxiliary Transmitter

Add Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Backup
	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	DT830A
	Year	2003
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	.5 kW

Auxiliary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	EC701HP-BB
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	.8 kW
	Justification for New Transmitter	Axcera has been unable to provide a quote to retune to date. 800W is the smallest transmitter Comark makes. See attached transition plan.

Auxiliary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A

	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Auxiliary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Filter Component	Filter Component

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	Classic Innovator VISIONARY IOT DT
	Year	2006
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 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	THU9-48 Evo
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	67 kW
	Justification for New Transmitter	Existing transmitter re tune unsupported. See attached. Cost of replacement Tube transmitter exceeds Solid State. See attached. Also requires 8th order filter to protect land-mobile See attached statement.

Primary Transmitter

Other Transmitter Costs

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

	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	400.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Concrete Slab and Ice Bridge	Slab for Heat exchanger

Interim Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	TMU9-2
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	1.2 kW
	Justification for New Transmitter	The interim transmitter is necessary to sustain emergency communications and restoration support to critical communications infrastructure. The interim transmitter is necessary to accomplish this task by maintaining the broadcast on-air.

Interim Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No

	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	No

Interim Transmitter

Other Transmitter Cost Not Listed

Information not provided.

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?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side 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)	1000.0 kW

Manufacturer	
Model	TFU-32DSB-RO3
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?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW
	Manufacturer	

	Model	ATW30H3-ETO12-17H
	Year	2020
	Justification for New Antenna	Current Antenna wont support new frequency

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	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?	Single Channel
	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?	
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
Custom Pedestal	Custom Pedestal for Primary Antenna

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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1385 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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1390 feet per run
	Justification for New Transmission Line	See attached transition plan

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

Tower Equipment And Rigging Costs

Section	Question	Response
Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	Unknown
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1011425
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	34° 21' 34.0" N-
	Longitude (NAD83)	096° 33' 35.0" W-
	Overall Structure Height	1458.32 feet
	Support Structure Height	1350.38 feet
	Ground Elevation Above Mean Sea Level (AMSL)	880.24 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

	Tower Owner	KTEN TELEVISION LIMITED PARTNERSHIP DBA = KTEN TV
	Date Constructed	09/01/1984

Primary Tower

Tower Modification Costs

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

Primary Tower

Tower Rigging Costs

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

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Tower Load Study	Tower Load Study

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	695
	Explanation	Expenses for experienced RF consultant to layout and assist with project management and Widelity Strategic Hours
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting 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	1
	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	No
	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	No
	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
Additional Repack Legal Services Not Otherwise Specified in Form 399	Non-Catalog Legal Services such as review of quarterly transition status reports and other miscellaneous non-catalog legal fees.

Other Expenses

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

Other Expenses

Other Expenses Not Listed

Name	Description
Site survey	Initial assessment and cad drawing of existing facilities
Site Preperation	reworking of existing interior rf system

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 Cost Justification
Interim Transmitter TMU9-2	**$126,000.00**	**$34,500.00**		**$34,500.00**	
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	$126,000.00	$34,500.00	Please see KTEN Rohde & Schwarz quote 290199.1	$34,500.00	N/A
Primary Transmitter THU9-48 Evo	**$1,498,303.00**	**$1,584,602.80**		**$1,332,274.24**	
UHF - Liquid Cooled Solid State Transmitter 67 kW	***$1,433,793.00***	$1,433,793.00	per Rohde Schwarz Quote 135710.1 and KTEN Rohde & Schwarz Primary Transmitter Installation Summary	$1,201,404.42	N/A
2" Rigid Conduit and Wiring (Cost per foot)	$10,400.00	$10,000.00	N/A	$110.02	N/A
Transformer 3 phase /480v - 150 KVA	$25,550.00	$24,300.00	N/A	$14,250.00	N/A

Service entrance 3 phase/800 amp/208 volt	$14,400.00	$102,349.80	Farris Electric Invoice E19-001	$102,349.80	N/A
Concrete Slab and Ice Bridge	***$14,160.00***	$14,160.00	see Estimated Cost Justification KTEN-110-1st Primary Transmitter - Concrete Slab and Ice Bridge v0	$14,160.00	N/A
Auxiliary Transmitter EC701HP-BB	**$71,472.82**	**$71,472.82**		**$4,522.82**	
Filter Component	***$4,522.82***	$4,522.82	Please see KTEN SJ Ramer quote 2020008	$4,522.82	N/A
UHF - Air Cooled Solid State Transmitter . 8 kW	***$66,950.00***	$66,950.00	Quote is attached.	$0.00	N/A
Sub-total	$1,695,775.82	$1,690,575.62	N/A	$1,371,297.06	N/A
Total for all systems	$3,215,003.57	$3,231,725.37	N/A	$2,662,254.38	N/A

Components

Actual Information Description	File Name	
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	**Component Description:** **Amount:**	R&S QT#290199.2 KTEN TMU9-2 $34,500.00

UHF - Liquid Cooled Solid State Transmitter 67 kW

Component Description:	Services are in conjunction with Ed Murlatt ASsociates
Amount:	$23,000.00
Component Description:	DP 75% Down Payment - PO 8154 Transmitter Replacement, for repack
Amount:	$848,064.00
Component Description:	Installation services
Amount:	$23,000.00
Component Description:	Repack Materials
Amount:	$192.85
Component Description:	Balance due for Installation Services
Amount:	$23,000.00
Component Description:	DP
Amount:	$282,688.00
Component Description:	Transmitter Installation Materials
Amount:	$149.87
Component Description:	Supplies needed for transmitter installation
Amount:	$154.70

	Component Description: **Amount:**	CABLE $1,155.00
2" Rigid Conduit and Wiring (Cost per foot)	**Component Description:** **Amount:**	KTEN-110-1st Primary Transmitter - 2" Rigid Conduit and Wiring: $102.63 $102.63
	Component Description: **Amount:**	Supplies needed for transmitter installation $7.39
Transformer 3 phase/480v - 150 KVA	**Component Description:** **Amount:**	KTEN-110-1st Primary Transmitter - 3 Phase/480V, 150 KVA Transformer $10,687.50
	Component Description: **Amount:**	KTEN-110-1st Primary Transmitter - 3 Phase/480V, 150 KVA Transformer $3,562.50

Service entrance 3 phase /800 amp/208 volt	**Component Description:**	Commercial /Industrial electrical renovation Phase II for KTEN Wapanucka Tower location 35666 facility, 2nd phase to include (but not limited too) Install new 3 phase commercial panels
	Amount:	$102,349.80
Concrete Slab and Ice Bridge	**Component Description:**	Removed mud water and repacked gravel on east end of building in preparation for 2 new French drains
	Amount:	$8,610.00
	Component Description:	Reinstall with existing material
	Amount:	$3,600.00
	Component Description:	Remove sink hole in front of new gates on east side of building where the concrete pad is going.
	Amount:	$1,950.00
Filter Component	**Component Description:**	Filter
	Amount:	$4,522.82

UHF - Air Cooled Solid State Transmitter .8 kW	**Component Description:**	Invoice moved to Filter budget category
	Amount:	N/A

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna ATW30H3-ETO12-17H	**$333,280.00**	**$270,850.00**		**$248,306.46**	
Custom Pedestal	***$24,750.00***	$24,750.00	Please see KTEN Electronics Research, Inc. proposal 20190530-691 Rev A	$17,325.00	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	$12,300.00	$11,700.00	N/A	N/A	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$6,250.00	N/A

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	$289,500.00	$228,000.00	Per ERI Proposal 20190530-691 Rev A	$224,731.46	N/A
Sub-total	$333,280.00	$270,850.00	N/A	$248,306.46	N/A
Total for all systems	$3,215,003.57	$3,231,725.37	N/A	$2,662,254.38	N/A

Components

Actual Information Description	File Name
Custom Pedestal	**Component Description:** KTEN-210-Primary Antenna - Custom Pedestal **Amount:** $2,475.00 **Component Description:** KTEN-210-Primary Antenna - Custom Pedestal **Amount:** $7,425.00 **Component Description:** Custom Pedestal **Amount:** $7,425.00
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.

Sweep test of existing antenna	**Component Description:** **Amount:**	KTEN-210-Primary Antenna - Sweep Test $1,875.00
	Component Description: **Amount:**	KTEN-210-Primary Antenna - Sweep Test $625.00
	Component Description: **Amount:**	KTEN-210-Primary Antenna - Sweep Test $1,875.00
	Component Description: **Amount:**	KTEN-210-Primary Antenna - Sweep Test $1,875.00
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	**Component Description:** **Amount:**	Antenna $63,750.00
	Component Description: **Amount:**	Antenna $71,175.00
	Component Description: **Amount:**	Antenna $26,056.46
	Component Description: **Amount:**	Antenna $63,750.00

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	**$280,780.00**	**$266,880.00**		**$214,491.01**	
Rigid Transmission Line - copper, 6 1/8"	$280,780.00	$266,880.00	N/A	$214,491.01	N/A
Sub-total	$280,780.00	$266,880.00	N/A	$214,491.01	N/A
Total for all systems	$3,215,003.57	$3,231,725.37	N/A	$2,662,254.38	N/A

Components

Actual Information Description	File Name

Rigid Transmission Line - copper, 6 1/8"	**Component Description:**	KTEN-310-Primary Transmission Line - Rigid Copper, 6 1/8"
	Amount:	$310.02
	Component Description:	KTEN-310-Primary Transmission Line - Rigid Copper, 6 1/8"
	Amount:	$59,317.84
	Component Description:	KTEN-310-Primary Transmission Line - Rigid Copper, 6 1/8"
	Amount:	$24,074.47
	Component Description:	KTEN-310-Primary Transmission Line - Rigid Copper, 6 1/8"
	Amount:	$59,317.84
	Component Description:	T/L 6/75 EIA Lenght
	Amount:	$12,153.00
	Component Description:	KTEN-310-Primary Transmission Line - Rigid Copper, 6 1/8"
	Amount:	$59,317.84

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	**$680,125.00**	**$784,572.00**		**$701,182.90**	
Tower Load Study	***$22,325.00***	$22,325.00	see Estimated Cost Justification KTEN-410-Existing Primary Tower - Tower Load Study v0	$22,325.00	N/A
Major tower reinforcement /modifications	$421,000.00	$400,000.00	N/A	$335,354.60	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	$26,300.00	$32,260.00	Structural estimate includes geotech and mapping. See attached cost estimate	$23,515.00	N/A
Tall Tower (greater than 500')	$210,500.00	$329,987.00	per ERI Proposal 20190916-764	$319,988.30	N/A
Sub-total	$680,125.00	$784,572.00	N/A	$701,182.90	N/A
Total for all systems	$3,215,003.57	$3,231,725.37	N/A	$2,662,254.38	N/A

Components

Actual Information Description	File Name	
Tower Load Study	**Component Description:** **Amount:**	Reinforcement Analysis $2,500.00
	Component Description: **Amount:**	STRUCTURAL ANALYSIS AND REPORT $12,325.00
	Component Description: **Amount:**	Reinforcing Analysis and Design $5,000.00
	Component Description: **Amount:**	Reinforcement Analysis $2,500.00
Major tower reinforcement /modifications	**Component Description:** **Amount:**	Tower Reinforcement and Installation Services $155,675.10
	Component Description: **Amount:**	Reinforcement Material $179,679.50

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	**Component Description:** **Amount:**	Partial Payment on Invoice 35428 $16,130.00
	Component Description: **Amount:**	KTEN-410-Existing Primary Tower - Tower Mapping, Undocumented Tower $7,385.00
Tall Tower (greater than 500')	**Component Description:** **Amount:**	KTEN-410-Existing Primary Tower - Tower Rigging, Tall Tower $131,994.80
	Component Description: **Amount:**	KTEN-410-Existing Primary Tower - Tower Rigging, Tall Tower $164,993.50
	Component Description: **Amount:**	Installation Services $23,000.00

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 Cost Justification
Outside Professional Services	**$145,520.00**	**$148,425.00**		**$113,713.81**	
Project management of the transition	$109,810.00	$114,675.00	KTEN Widelity Strategic Support Quote	$101,003.09	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	$1,580.00	$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$3,000.00	N/A	$1,750.00	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,000.00	N/A	$5,283.32	N/A

Address transition timing and coordination issues w/ other stations and wireless	$2,630.00	$2,500.00	N/A	$662.50	N/A
Prepare and or review reimbursement form	$2,630.00	$2,500.00	N/A	$1,544.20	N/A
Additional Repack Legal Services Not Otherwise Specified in Form 399	***$5,000.00***	$5,000.00	N/A	$1,531.60	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	$3,680.00	$3,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	$2,365.00	$2,250.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	$5,260.00	$5,000.00	N/A	$1,939.10	N/A
Prepare request for Special Temporary Authorization	$2,050.00	$1,500.00	N/A	N/A	N/A
Sub-total	$145,520.00	$148,425.00	N/A	$113,713.81	N/A

Total for all systems	$3,215,003.57	$3,231,725.37	N/A	$2,662,254.38	N/A

Components

Actual Information Description	File Name
Project management of the transition	**Component Description:** Hourly project Management Services **Amount:** $3,787.50 **Component Description:** Project Management **Amount:** $8,652.55 **Component Description:** Project Management **Amount:** $398.70 **Component Description:** Project Management **Amount:** $1,575.00 **Component Description:** Project Management **Amount:** $2,475.00 **Component Description:** Project Management **Amount:** $2,740.40 **Component Description:** Project Management **Amount:** $8,726.55

Component Description: Project Management
Amount: $2,922.60

Component Description: Project Management
Amount: $3,771.60

Component Description: Project Management
Amount: $2,894.80

Component Description: Project Management
Amount: $3,988.80

Component Description: Project Management
Amount: $4,255.60

Component Description: Project Management
Amount: $4.05

Component Description: Project Management
Amount: $8,322.90

Component Description: Hourly Project Management
Amount: $2,137.50

Component Description: Repack Engineering
Amount: $972.77

Component Description: Project Management
Amount: $7,831.70

Component Description: KTEN-510-Project Management
Amount: $4.05

Component Description: Project Management
Amount: $5,578.55

Component Description: Project Management
Amount: $4,449.30

Component Description: Project Management
Amount: $4,738.75

Component Description: Travel-Repack Engineering for Robert E. Thurber
Amount: $3,291.42

Component Description: Project Management
Amount: $6,139.50

Component Description: Hourly Project Management Services by Ed Murlatt
Amount: $412.50

	Component Description: **Amount:**	Hourly Project Management Services $1,387.50
	Component Description: **Amount:**	Project Management $4,178.10
	Component Description: **Amount:**	Project Management Partial Invoice $1,200.00
	Component Description: **Amount:**	Project Management $1,050.00
	Component Description: **Amount:**	Project Management $4,319.45
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:**	Smith and Fisher, LLC 6693 Revised Invoice with detailed breakdown of services per the reviewer's request. $1,750.00

Perform engineering study for new channel assignment and antenna development	**Component Description:**	KTEN-530-RF Eng - Engineering Study for New Channel Assignment
	Amount:	$604.15
	Component Description:	Smith and Fisher, LLC 6609 Revised Invoice with detailed breakdown of services per the reviewer's request.
	Amount:	$650.00
	Component Description:	Smith and Fisher, LLC 65680Revised Invoice with detailed breakdown of services per the reviewer's request.
	Amount:	$650.00
	Component Description:	KTEN-530-RF Eng - Engineering Study for New Channel Assignment
	Amount:	$3,379.17
Address transition timing and coordination issues w/ other stations and wireless	**Component Description:**	KTEN-590-Transition Timing and Coordination
	Amount:	$662.50

Prepare and or review reimbursement form	**Component Description:** **Amount:**	Legal Services for Prepare or review reimbursement form $42.70
	Component Description: **Amount:**	Legal Services for Prepare or review reimbursement form $213.50
	Component Description: **Amount:**	Legal Services for Prepare or review reimbursement form Split Invoice $893.20
	Component Description: **Amount:**	Legal Services for Prepare or review reimbursement form Split Invoice $394.80
Additional Repack Legal Services Not Otherwise Specified in Form 399	**Component Description:** **Amount:**	Additional Legal Services $85.40
	Component Description: **Amount:**	Legal Services $592.30
	Component Description: **Amount:**	Legal Services $330.50
	Component Description: **Amount:**	Additional Legal Services $59.40

	Component Description: Legal Services **Amount:** $44.50 **Component Description:** Additional Legal Services **Amount:** $42.70 **Component Description:** Additional Legal Services **Amount:** $184.40 **Component Description:** Additional Legal Services **Amount:** $128.10 **Component Description:** Legal Services **Amount:** $21.60 **Component Description:** Additional Legal Services **Amount:** $42.70
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	**Component Description:** **Amount:**	Split Invoice for Legal Form 2100 Construction Permit Application $1,800.50
	Component Description: **Amount:**	Split Invoice for Legal Form 2100 Construction Permit Application $59.40
	Component Description: **Amount:**	Split Invoice for Legal Form 2100 Construction Permit Application $79.20
	Component Description: **Amount:**	KTEN-550-Attorney - Construction Permit Application (Main $151.20
Prepare request for Special Temporary Authorization	Information not provided.	

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	**$79,522.75**	**$70,422.75**		**$13,263.14**	
Disposal Costs (for equipment and other waste, net of any salvage value)	***$30,000.00***	$30,000.00	see attached transition plan	$1,775.00	N/A
MVPD Notification of Channel Change	***$1,000.00***	$1,000.00	see attached transition plan	N/A	N/A
Develop and air announcement of upcoming channel change	***$5,000.00***	$5,000.00	see attached transition plan	N/A	N/A
Equipment Storage	***$2,178.75***	$2,178.75	KTEN-TV Justification Other Expenses - Equipment Storage v1	$2,178.75	N/A
Equipment Delivery and Handling Charges	***$15,000.00***	$15,000.00	see attached transition plan	$5,189.39	N/A
DTV Medical Facility Notification	$11,550.00	$2,450.00	see attached quote	$1,960.00	N/A
Site Preperation	***$8,000.00***	$8,000.00	See attached transition plan	$2,160.00	N/A

Site survey	***$6,794.00***	$6,794.00	See attached transition plan	$0.00	N/A
Sub-total	$79,522.75	$70,422.75	N/A	$13,263.14	N/A
Total for all systems	$3,215,003.57	$3,231,725.37	N/A	$2,662,254.38	N/A

Components

Actual Information Description	File Name
Disposal Costs (for equipment and other waste, net of any salvage value)	**Component Description:** 20 yard roll off **Amount:** $325.00 **Component Description:** 20 yard roll off set 3/18/20 **Amount:** $325.00 **Component Description:** Provide flatbed truck, forklift, 2 men. **Amount:** $500.00 **Component Description:** 20 yard roll off set at 4200 East State HWY 7 Bromide Ok **Amount:** $300.00 **Component Description:** 20 yard roll off swapped 5/20 **Amount:** $325.00
MVPD Notification of Channel Change	Information not provided.

Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	**Component Description:** 20' Standard Container, RENTAL, KTEN-Facility **Amount:** $810.00 **Component Description:** 20' Standard Container, RENTAL **Amount:** $108.75 **Component Description:** Rent on 20' Standard Container at Wapanucka, OK **Amount:** $1,260.00

Equipment Delivery and Handling Charges	**Component Description:**	Harbor Freight Tools
	Amount:	$297.64
	Component Description:	FORKLIFT VARIABLE REACH 6000# 40-49'
	Amount:	$3,659.65
	Component Description:	REFUELING SERVICE CHARGE (DIESEL DSL
	Amount:	$248.44
	Component Description:	SCISSOR LIFT 19' ELECTRIC
	Amount:	$983.66
DTV Medical Facility Notification	**Component Description:**	Medical Notification
	Amount:	$1,960.00
Site Preperation	**Component Description:**	Remove and replace beam and drop down ceiling; Sheetrock opening at transmitter site in Wapanucka, OK.
	Amount:	$1,280.00
	Component Description:	Gravel, Tractor (1 Day)
	Amount:	$880.00

Site survey	**Component Description:**	Site Survey Partial Invoice
	Amount:	$5,593.70

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$3,215,003.57	$3,231,725.37	$2,662,254.38

Reimbursement Status

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

Certification

Section	Question	Response
Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
	1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.	

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

	8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**Bob Pectelidis** *Director of Corporate Engineering* 07/24/2020

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 IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
	1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 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.	**Bob Pectelidis** *Director of Corporate Engineering* 07/24/2020

Attachments