



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **37101** | Service: **DTV** | Call **KETD** | Channel: **15 (UHF)** |  
ID: | Sign:  
File **0000028706**  
Number:  
FRN: **0001529247** | Date **04/21**  
Submitted: **/2020**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>KRCA LICENSE LLC</b> Doing Business As: KRCA LICENSE LLC	1845 EMPIRE AVENUE BURBANK, CA 91504 United States	+1 (818) 729-5300	chrisb@lbimedia. 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
<b>Samuel Hariton</b> <i>Widely, Inc.</i>	4031 University Drive Fairfax, VA 22030 United States	+1 (339) 222- 8107	sam.hariton@widely. com

## Broadcaster Information and Transition Plan

Question	Response
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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 plan is for KETD to replace the existing channel 45 system with a new channel 15 antenna, new 3-1/8" line and new transmitter. KETD will need to use an interim antenna and line in order to facilitate transition. See attached narrative statement.

## Transmitters

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

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	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
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	UAX- 4000AT
	Year	2011
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	4.2 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-16
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	10.8 kW
	Justification for New Transmitter	Retuning requires replacing the mask filter and extensive testing. This cannot be completed in an overnight maintenance and would result in a prolonged outage. An interim transmitter would be needed during this time to ensure continuous broadcast.

**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
<b>Electrical Service</b>	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	The new main transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	10 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	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
Internal Transmission Line	Internal Transmission Line
4 Port Switch	A 4 port switch is necessary to allow switching from the interim antenna to the new main antenna.

**Antennas**

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

**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
<b>Existing Antenna Manufacturer and Type</b>	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) .....	100.0 kW



Manufacturer	
Model	AL12M-45- PM
Year	2011

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	Side 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) .....	200.0 kW
	Manufacturer	

Model	TFU-12DSB-F /VP
Year	2017
Justification for New Antenna	The existing antenna is not capable of supporting the new channel and will need to be replaced.

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	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
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	3 1/8 inches inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes

<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**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
<b>Existing Transmission Line Description</b>	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
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Flexible Air
	Diameter	3 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	100 feet per run

**Primary**  
**Transmission Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Flexible Air
	Diameter	3 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	100 feet per run
	Justification for New Transmission Line	New primary antenna will be placed at the same height but on opposite side of tower from existing main. This tower is shared so the station's placement is constrained by the tower owner.

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Dehydrator	R46345 Dehydrator 200C



**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?	Terrain Constrained
	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	Yes
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1023484
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	39° 40' 17.4" N-
	Longitude (NAD83)	105° 13' 08.0" W-
	Overall Structure Height	273.95 feet
	Support Structure Height	271.98 feet

	Ground Elevation Above Mean Sea Level (AMSL)	7685.60 feet
	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	Bear Creek Development Corporation
	Date Constructed	11/08/1988

**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
35574	KQKS	FM
14040	KRMA-TV	DTV
26929	KQMT	FM
57219	KCEC	DTV

**Other Types of Users**

Users
Fire
Denver Water
County Denver
Civil Air Ptrl
City Denver
Police
West Metro Fire

**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:	Minor Reinforcements needed

**Primary  
Tower**

**Tower Rigging Costs**

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

**Primary  
Tower**

**Other Tower Expenses Not Listed**

Name	Description
Structural Analysis	After the mapping is complete, a structural analysis will need to be run.

**Outside  
Professional Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	712
	Explanation	KETD does not have sufficient resource capacity and expertise in house to handle all of the Project Management related tasks necessary to facility on-time completion of the station's build by the Construction Deadline.
<b>Outside RF consulting Engineering Services</b>	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	2

	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
<b>Attorney and Other Outside Consulting Services</b>	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	2
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	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
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	Yes
	Number of Days	10

	Justification	Supervision and inspection of work completed
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**Outside Professional Services Costs**      **Other Professional Services Expenses Not Listed**  
If services not provided.

## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	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
<b>Permit and Filing Costs</b>	Local Zoning	Yes
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
<b>Other Miscellaneous Expenses</b>	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?	No
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

<b>Other Expenses</b>	<b>Other Expenses Not Listed</b> Information not provided.
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## 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
<b>Primary Transmitter ULXTE-16</b>	<b>\$771,177.68</b>	<b>\$273,527.68</b>		<b>\$154,254.06</b>	
10 Ton system	\$38,900.00	\$37,000.00	N/A	N/A	N/A
UHF - Air Cooled Solid State Transmitter 3.6 kW	<b><i>\$152,272.73</i></b>	\$152,272.73	***System Notice: Estimate adjusted and locked because line has been superseded. ***Per GatesAir Quote Q-79399 + shipping and taxes	\$152,272.73	N/A
4 Port Switch	<b><i>\$16,000.00</i></b>	\$16,000.00	N/A	\$0.00	N/A
Internal Transmission Line	<b><i>\$3,954.95</i></b>	\$3,954.95	Dielectric Quote CLE 084 RevB	\$0.00	N/A

UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$0.00	Please see attached quote Q-81858. KETD has already been reimbursed the full like-for-like amount on this transmitter and no additional funds are requested.	N/A	N/A
Transformer 3 phase/480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	\$1,981.33	N/A
Other Electrical Service: The new main transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	<b>\$40,000.00</b>	\$40,000.00	N/A	\$0.00	N/A
<b>Sub-total</b>	\$771,177.68	\$273,527.68	N/A	\$154,254.06	N/A
<b>Total for all systems</b>	\$2,042,128.60	\$1,308,961.51	N/A	\$283,627.64	N/A

## Components

Actual Information	
Description	File Name
10 Ton system	Information not provided.
UHF - Air Cooled Solid State Transmitter 3.6 kW	<b>Component Description:</b> UAXTE-6R44 Transmitter <b>Amount:</b> \$152,272.73
4 Port Switch	Information not provided.
Internal Transmission Line	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	Information not provided.
Transformer 3 phase/480v - 150 KVA	<b>Component Description:</b> KETD-110-1st Primary Transmitter - 3 Phase, 480 V, 150 KVA <b>Amount:</b> Transformer \$1,981.33
Other Electrical Service: The new main transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	Information not provided.

## 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
<b>Primary Antenna TFU-12DSB-F/VP</b>	<b>\$266,220.00</b>	<b>\$75,338.69</b>		<b>\$53,014.24</b>	
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	\$2,815.85	N/A
Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	\$9,340.00	\$7,053.69	Please see Estimated Cost Justification KETD Primary Antenna Elbow Complex and Dehydrator categories v0	\$7,053.69	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A

UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized	\$227,000.00	\$39,885.00	Please see attached Dielectric Quote CLE084RevB and Invoice MAN01020. Cost of antenna plus \$5,670.00 for freight	\$36,744.70	N/A
<b>Sub-total</b>	\$266,220.00	\$75,338.69	N/A	\$53,014.24	N/A
<b>Total for all systems</b>	\$2,042,128.60	\$1,308,961.51	N/A	\$283,627.64	N/A

## Components

Actual Information	
Description	File Name
Side mount brackets for high power antennas (if not included in antenna base cost)	<b>Component Description:</b>
	KETD-210- Primary Antenna - Side Mount Brackets
	<b>Amount:</b>
	\$187.10
	<b>Component Description:</b>
	KETD-210- Primary Antenna - Side Mount Brackets
	<b>Amount:</b>
	\$2,628.75

<p>Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)</p>	<table> <tr> <td data-bbox="726 174 1029 208"><b>Component Description:</b></td><td data-bbox="1169 174 1366 286">KETD-210- Primary Antenna - Elbow Complex</td></tr> <tr> <td data-bbox="726 297 834 331"><b>Amount:</b></td><td data-bbox="1169 297 1286 331">\$6,585.00</td></tr> <tr> <td data-bbox="726 432 1029 465"><b>Component Description:</b></td><td data-bbox="1169 432 1366 544">KETD-210- Primary Antenna - Elbow Complex</td></tr> <tr> <td data-bbox="726 555 834 589"><b>Amount:</b></td><td data-bbox="1169 555 1265 589">\$468.69</td></tr> </table>	<b>Component Description:</b>	KETD-210- Primary Antenna - Elbow Complex	<b>Amount:</b>	\$6,585.00	<b>Component Description:</b>	KETD-210- Primary Antenna - Elbow Complex	<b>Amount:</b>	\$468.69
<b>Component Description:</b>	KETD-210- Primary Antenna - Elbow Complex								
<b>Amount:</b>	\$6,585.00								
<b>Component Description:</b>	KETD-210- Primary Antenna - Elbow Complex								
<b>Amount:</b>	\$468.69								
<p>Sweep test of existing antenna</p>	<table> <tr> <td data-bbox="726 723 1029 757"><b>Component Description:</b></td><td data-bbox="1169 723 1366 835">KETD-210- Primary Antenna - Sweep Test</td></tr> <tr> <td data-bbox="726 846 834 880"><b>Amount:</b></td><td data-bbox="1169 846 1286 880">\$6,400.00</td></tr> </table>	<b>Component Description:</b>	KETD-210- Primary Antenna - Sweep Test	<b>Amount:</b>	\$6,400.00				
<b>Component Description:</b>	KETD-210- Primary Antenna - Sweep Test								
<b>Amount:</b>	\$6,400.00								
<p>UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized</p>	<table> <tr> <td data-bbox="726 1014 1029 1093"><b>Component Description:</b> <b>Amount:</b></td><td data-bbox="1169 1014 1334 1093">CO Sales Tax \$447.93</td></tr> <tr> <td data-bbox="726 1193 1029 1350"><b>Component Description:</b>  <b>Amount:</b></td><td data-bbox="1169 1193 1361 1350">UHF Low Power Side Mount Antenna \$33,885.00</td></tr> <tr> <td data-bbox="726 1451 1029 1574"><b>Component Description:</b>  <b>Amount:</b></td><td data-bbox="1169 1451 1345 1574">CO Sales Tax- Invoice 503002 \$2,411.77</td></tr> </table>	<b>Component Description:</b> <b>Amount:</b>	CO Sales Tax \$447.93	<b>Component Description:</b>  <b>Amount:</b>	UHF Low Power Side Mount Antenna \$33,885.00	<b>Component Description:</b>  <b>Amount:</b>	CO Sales Tax- Invoice 503002 \$2,411.77		
<b>Component Description:</b> <b>Amount:</b>	CO Sales Tax \$447.93								
<b>Component Description:</b>  <b>Amount:</b>	UHF Low Power Side Mount Antenna \$33,885.00								
<b>Component Description:</b>  <b>Amount:</b>	CO Sales Tax- Invoice 503002 \$2,411.77								

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	\$10,227.82	\$8,725.74		\$8,725.74	
Dehydrator	\$4,327.82	\$4,327.82	see Estimated Cost Justification KETD Primary Antenna Elbow Complex and Dehydrator categories v0	\$4,327.82	N/A
Flexible Air Transmission Line - dielectric, 3"	\$5,900.00	\$4,397.92	Per Estimated Cost Justification KETD-310- Primary Transmission Line - 3" Air Dielectric v0, Dielectric quote CLE084RevB; 3" Flexline plus gassing kit	\$4,397.92	N/A
Sub-total	\$10,227.82	\$8,725.74	N/A	\$8,725.74	N/A
Total for all systems	\$2,042,128.60	\$1,308,961.51	N/A	\$283,627.64	N/A

Components

Actual Information Description	File Name
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Dehydrator	<table> <tr> <td data-bbox="715 174 1023 210"><b>Component Description:</b></td><td data-bbox="1155 174 1369 327">KETD-310- Primary transmission line - dehydrator</td></tr> <tr> <td data-bbox="715 336 823 371"><b>Amount:</b></td><td data-bbox="1155 336 1254 371">\$287.57</td></tr> <tr> <td data-bbox="715 474 1023 510"><b>Component Description:</b></td><td data-bbox="1155 474 1369 627">KETD-310- Primary transmission line - dehydrator</td></tr> <tr> <td data-bbox="715 636 823 672"><b>Amount:</b></td><td data-bbox="1155 636 1276 672">\$4,040.25</td></tr> </table>	<b>Component Description:</b>	KETD-310- Primary transmission line - dehydrator	<b>Amount:</b>	\$287.57	<b>Component Description:</b>	KETD-310- Primary transmission line - dehydrator	<b>Amount:</b>	\$4,040.25
<b>Component Description:</b>	KETD-310- Primary transmission line - dehydrator								
<b>Amount:</b>	\$287.57								
<b>Component Description:</b>	KETD-310- Primary transmission line - dehydrator								
<b>Amount:</b>	\$4,040.25								
Flexible Air Transmission Line - dielectric, 3"	<table> <tr> <td data-bbox="715 801 1023 837"><b>Component Description:</b></td><td data-bbox="1155 801 1369 954">KETD-310- Primary Transmission Line - 3" Air Dielectric</td></tr> <tr> <td data-bbox="715 963 823 999"><b>Amount:</b></td><td data-bbox="1155 963 1254 999">\$292.22</td></tr> <tr> <td data-bbox="715 1102 1023 1137"><b>Component Description:</b></td><td data-bbox="1155 1102 1369 1254">KETD-310- Primary Transmission Line - 3" Air Dielectric</td></tr> <tr> <td data-bbox="715 1263 823 1299"><b>Amount:</b></td><td data-bbox="1155 1263 1276 1299">\$4,105.70</td></tr> </table>	<b>Component Description:</b>	KETD-310- Primary Transmission Line - 3" Air Dielectric	<b>Amount:</b>	\$292.22	<b>Component Description:</b>	KETD-310- Primary Transmission Line - 3" Air Dielectric	<b>Amount:</b>	\$4,105.70
<b>Component Description:</b>	KETD-310- Primary Transmission Line - 3" Air Dielectric								
<b>Amount:</b>	\$292.22								
<b>Component Description:</b>	KETD-310- Primary Transmission Line - 3" Air Dielectric								
<b>Amount:</b>	\$4,105.70								



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	\$617,300.00	\$587,000.00		\$0.00	
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$25,000.00	N/A	N/A	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	N/A	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$400,000.00	N/A	N/A	N/A
Structural Analysis	<i>\$12,000.00</i>	\$12,000.00	N/A	N/A	N/A
Sub-total	\$617,300.00	\$587,000.00	N/A	\$0.00	N/A
Total for all systems	\$2,042,128.60	\$1,308,961.51	N/A	\$283,627.64	N/A

Components

Information not provided.

## Cost Information

### Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Outside Professional Services</b>	<b>\$299,436.00</b>	<b>\$287,207.30</b>		<b>\$54,588.25</b>	
Additional Field Engineering Service, 10 Days	<i>\$20,000.00</i>	\$20,000.00	N/A	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$10,000.00	N/A	N/A	N/A

NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$6,657.30	see Estimated Cost Justification KETD-550-Attorney - Negotiate Lease and Other Matters v0	\$6,657.30	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	N/A	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	N/A	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	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$351.00	N/A
Project management of the transition	\$112,496.00	\$106,800.00	N/A	\$47,579.95	N/A
<b>Sub-total</b>	\$299,436.00	\$287,207.30	N/A	\$54,588.25	N/A
<b>Total for all systems</b>	\$2,042,128.60	\$1,308,961.51	N/A	\$283,627.64	N/A

## Components

Actual Information	
Description	File Name
Additional Field Engineering Service, 10 Days	Information not provided.
RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.
ASR modification (prepare FCC Form 854)	Information not provided.
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.
NEPA Section 106 environmental review, 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	<b>Component Description:</b>  <b>Amount:</b>	For Professional Services Rendered \$1,464.75
	<b>Component Description:</b> <b>Amount:</b>	Legal services \$351.00
	<b>Component Description:</b>  <b>Amount:</b>	For Professional Services Rendered \$2,036.25
	<b>Component Description:</b> <b>Amount:</b>	Total Professional Services \$839.70
	<b>Component Description:</b> <b>Amount:</b>	Total Professional Services \$1,965.60
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	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	
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	Information not provided.	

Perform engineering study for new channel assignment and antenna development	Information not provided.	
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	<b>Component Description:</b> <b>Amount:</b>	Legal Services \$351.00
Project management of the transition	<b>Component Description:</b> <b>Amount:</b>	Project Management \$3,054.25
	<b>Component Description:</b> <b>Amount:</b>	Project Management \$636.70
	<b>Component Description:</b> <b>Amount:</b>	Project Management \$5,614.90
	<b>Component Description:</b> <b>Amount:</b>	Project Management \$2,060.35
	<b>Component Description:</b> <b>Amount:</b>	Project Management \$206.65
	<b>Component Description:</b> <b>Amount:</b>	Project Management \$3,099.45

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$994.50

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,343.50

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$743.60

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,295.50

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,724.85

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,197.35

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,266.55

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,843.05

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$4,533.60



<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,394.00

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,383.80

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,865.70

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,259.55

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,202.80

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,208.35

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,814.40

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,169.60

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,200.55

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## 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
<b>Other Expenses</b>	<b>\$77,767.10</b>	<b>\$77,162.10</b>		<b>\$13,045.35</b>	
MVPD Notification of Channel Change	<i>\$4,577.10</i>	\$4,577.10	Please See Estimated Cost Justification KETD-610-MVPD Notification v0	\$4,577.10	N/A
Develop and air announcement of upcoming channel change	<i>\$15,000.00</i>	\$15,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
Local Zoning	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$8,322.00	N/A
Non-zoning permits	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	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
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	\$146.25	N/A
<b>Sub-total</b>	\$77,767.10	\$77,162.10	N/A	\$13,045.35	N/A
<b>Total for all systems</b>	\$2,042,128.60	\$1,308,961.51	N/A	\$283,627.64	N/A

## Components

Actual Information	
Description	File Name
MVPD Notification of Channel Change	<b>Component Description:</b> MVPD Notification <b>Amount:</b> \$4,577.10
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Delivery and Handling Charges	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
Local Zoning	Information not provided.
DTV Medical Facility Notification	<b>Component Description:</b> DTV Notification <b>Amount:</b> \$8,322.00

Non-zoning permits	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Form 2100 minor change CP application	<div> <div> <b>Component Description:</b> </div> <div> KETD, Castle Rock, CO  Channel Repack </div> </div> <div> <div> <b>Amount:</b> </div> <div> \$146.25 </div> </div>

<b>Cost Information</b>	<b>Grand Total</b>		
		<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>
			<b>Actual Cost</b>
	<b>Total for all systems</b>	\$2,042,128.60	\$1,308,961.51
			\$283,627.64

<b>Reimbursement Status</b>	<b>Question</b>	<b>Response</b>
	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	<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>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> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> </ol>	

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.

**Michael  
Everett  
Todd**  
*Chief  
Engineer*

04/21/2020



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"> <li>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.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

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

## Attachments