



(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 **08/24**
Submitted: **/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
Estrella Television 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
Samuel Hariton <i>Widelity, Inc.</i>	4031 University Drive Fairfax, VA 22030 United States	+1 (339) 222-8107	sam.hariton@widelity.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
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	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
Electrical Service	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.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	10 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other 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

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
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
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)	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
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?	Broadband
	Feed Line Size	3 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes

Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	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
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	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
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	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
26929	KQMT	FM
14040	KRMA-TV	DTV
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
Outside Project Management Services	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.
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	2

	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	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
RF Field Engineering Services	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 are provided.

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	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
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?	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

Other Expenses	Other Expenses Not Listed 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
Primary Transmitter ULXTE-16	\$771,177.68	\$273,527.68		\$154,254.06	
Internal Transmission Line	\$3,954.95	\$3,954.95	Dielectric Quote CLE 084 RevB	\$0.00	N/A
Transformer 3 phase/480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	\$1,981.33	N/A
10 Ton system	\$38,900.00	\$37,000.00	N/A	N/A	N/A
4 Port Switch	\$16,000.00	\$16,000.00	N/A	\$0.00	N/A
UHF - Air Cooled Solid State Transmitter 3.6 kW	\$152,272.73	\$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

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.	\$40,000.00	\$40,000.00	N/A	\$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
Sub-total	\$771,177.68	\$273,527.68	N/A	\$154,254.06	N/A
Total for all systems	\$2,046,019.13	\$1,312,852.04	N/A	\$300,784.07	N/A

Components

Actual Information Description	File Name
Internal Transmission Line	Information not provided.

Transformer 3 phase/480v - 150 KVA	<p>Component Description: KETD-110-1st Primary Transmitter - 3 Phase, 480 V, 150 KVA Transformer</p> <p>Amount: \$1,981.33</p>
10 Ton system	Information not provided.
4 Port Switch	Information not provided.
UHF - Air Cooled Solid State Transmitter 3.6 kW	<p>Component Description: UAXTE-6R44 Transmitter</p> <p>Amount: \$152,272.73</p>
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.
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	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
Primary Antenna TFU-12DSB-F/VP	\$266,220.00	\$75,338.69		\$53,014.24	
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
Sub-total	\$266,220.00	\$75,338.69	N/A	\$53,014.24	N/A
Total for all systems	\$2,046,019.13	\$1,312,852.04	N/A	\$300,784.07	N/A

Components

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

<p>Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)</p>	<table> <tr> <td data-bbox="726 168 1037 212">Component Description:</td><td data-bbox="1165 168 1364 280">KETD-210- Primary Antenna - Elbow Complex</td></tr> <tr> <td data-bbox="726 291 837 336">Amount:</td><td data-bbox="1165 291 1268 336">\$468.69</td></tr> <tr> <td data-bbox="726 425 1037 470">Component Description:</td><td data-bbox="1165 425 1364 537">KETD-210- Primary Antenna - Elbow Complex</td></tr> <tr> <td data-bbox="726 548 837 593">Amount:</td><td data-bbox="1165 548 1284 593">\$6,585.00</td></tr> </table>	Component Description:	KETD-210- Primary Antenna - Elbow Complex	Amount:	\$468.69	Component Description:	KETD-210- Primary Antenna - Elbow Complex	Amount:	\$6,585.00				
Component Description:	KETD-210- Primary Antenna - Elbow Complex												
Amount:	\$468.69												
Component Description:	KETD-210- Primary Antenna - Elbow Complex												
Amount:	\$6,585.00												
<p>Sweep test of existing antenna</p>	<table> <tr> <td data-bbox="726 716 1037 761">Component Description:</td><td data-bbox="1165 716 1364 828">KETD-210- Primary Antenna - Sweep Test</td></tr> <tr> <td data-bbox="726 840 837 884">Amount:</td><td data-bbox="1165 840 1284 884">\$6,400.00</td></tr> </table>	Component Description:	KETD-210- Primary Antenna - Sweep Test	Amount:	\$6,400.00								
Component Description:	KETD-210- Primary Antenna - Sweep Test												
Amount:	\$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 1008 1037 1052">Component Description:</td><td data-bbox="1165 1008 1332 1052">CO Sales Tax</td></tr> <tr> <td data-bbox="726 1052 837 1097">Amount:</td><td data-bbox="1165 1052 1268 1097">\$447.93</td></tr> <tr> <td data-bbox="726 1187 1037 1232">Component Description:</td><td data-bbox="1165 1187 1364 1299">UHF Low Power Side Mount Antenna</td></tr> <tr> <td data-bbox="726 1310 837 1355">Amount:</td><td data-bbox="1165 1310 1300 1355">\$33,885.00</td></tr> <tr> <td data-bbox="726 1444 1037 1489">Component Description:</td><td data-bbox="1165 1444 1348 1523">CO Sales Tax- Invoice 503002</td></tr> <tr> <td data-bbox="726 1523 837 1568">Amount:</td><td data-bbox="1165 1523 1284 1568">\$2,411.77</td></tr> </table>	Component Description:	CO Sales Tax	Amount:	\$447.93	Component Description:	UHF Low Power Side Mount Antenna	Amount:	\$33,885.00	Component Description:	CO Sales Tax- Invoice 503002	Amount:	\$2,411.77
Component Description:	CO Sales Tax												
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Amount:	\$33,885.00												
Component Description:	CO Sales Tax- Invoice 503002												
Amount:	\$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	\$2,046,019.13	\$1,312,852.04	N/A	\$300,784.07	N/A

Components

Actual Information Description	File Name
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Dehydrator	<table> <tr> <td data-bbox="699 87 1023 315">Component Description:</td><td data-bbox="1023 87 1428 315">KETD-310- Primary transmission line - dehydrator</td></tr> <tr> <td data-bbox="699 315 1023 432">Amount:</td><td data-bbox="1023 315 1428 432">\$287.57</td></tr> <tr> <td data-bbox="699 432 1023 660">Component Description:</td><td data-bbox="1023 432 1428 660">KETD-310- Primary transmission line - dehydrator</td></tr> <tr> <td data-bbox="699 660 1023 725">Amount:</td><td data-bbox="1023 660 1428 725">\$4,040.25</td></tr> </table>	Component Description:	KETD-310- Primary transmission line - dehydrator	Amount:	\$287.57	Component Description:	KETD-310- Primary transmission line - dehydrator	Amount:	\$4,040.25
Component Description:	KETD-310- Primary transmission line - dehydrator								
Amount:	\$287.57								
Component Description:	KETD-310- Primary transmission line - dehydrator								
Amount:	\$4,040.25								
Flexible Air Transmission Line - dielectric, 3"	<table> <tr> <td data-bbox="699 725 1023 954">Component Description:</td><td data-bbox="1023 725 1428 954">KETD-310- Primary Transmission Line - 3" Air Dielectric</td></tr> <tr> <td data-bbox="699 954 1023 1070">Amount:</td><td data-bbox="1023 954 1428 1070">\$292.22</td></tr> <tr> <td data-bbox="699 1070 1023 1299">Component Description:</td><td data-bbox="1023 1070 1428 1299">KETD-310- Primary Transmission Line - 3" Air Dielectric</td></tr> <tr> <td data-bbox="699 1299 1023 1350">Amount:</td><td data-bbox="1023 1299 1428 1350">\$4,105.70</td></tr> </table>	Component Description:	KETD-310- Primary Transmission Line - 3" Air Dielectric	Amount:	\$292.22	Component Description:	KETD-310- Primary Transmission Line - 3" Air Dielectric	Amount:	\$4,105.70
Component Description:	KETD-310- Primary Transmission Line - 3" Air Dielectric								
Amount:	\$292.22								
Component Description:	KETD-310- Primary Transmission Line - 3" Air Dielectric								
Amount:	\$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		\$6,220.00	
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
Structural Analysis	\$12,000.00	\$12,000.00	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	\$6,220.00	N/A
Sub-total	\$617,300.00	\$587,000.00	N/A	\$6,220.00	N/A
Total for all systems	\$2,046,019.13	\$1,312,852.04	N/A	\$300,784.07	N/A

Components

Actual Information	
Description	File Name
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.
Minor tower reinforcement /modifications	Information not provided.
Structural Analysis	Information not provided.
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<div> <div> Component Description: </div> <div> KTED / KCEC Contract Demo Beam Supplies (3) Mobilization Costs </div> </div> <div> Amount: </div> <div> \$6,220.00 </div>

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	\$299,436.00	\$287,207.30		\$61,634.15	
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
Project management of the transition	\$112,496.00	\$106,800.00	N/A	\$54,625.85	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
Sub-total	\$299,436.00	\$287,207.30	N/A	\$61,634.15	N/A
Total for all systems	\$2,046,019.13	\$1,312,852.04	N/A	\$300,784.07	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	Component Description: Amount:	For Professional Services Rendered \$2,036.25
	Component Description: Amount:	Total Professional Services \$839.70
	Component Description: Amount:	Legal services \$351.00
	Component Description: Amount:	Total Professional Services \$1,965.60
	Component Description: Amount:	For Professional Services Rendered \$1,464.75
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.	
Project management of the transition	Component Description: Amount:	Project Management \$3,295.50

Component Description:	Project Management
Amount:	\$636.70

Component Description:	Project Management
Amount:	\$1,814.40

Component Description:	Project Management
Amount:	\$2,200.55

Component Description:	Project Management
Amount:	\$5,614.90

Component Description:	Project Management
Amount:	\$2,060.35

Component Description:	Project Management
Amount:	\$3,099.45

Component Description:	Project Management
Amount:	\$743.60

Component Description:	Project Management
Amount:	\$3,054.25

Component Description:	Project Management
Amount:	\$2,266.55

Component Description:	Project Management
Amount:	\$1,843.05

Component Description:	Project Management
Amount:	\$1,197.35

Component Description:	Project Management
Amount:	\$3,169.60

Component Description:	Project Management
Amount:	\$206.65

Component Description:	Project Management
Amount:	\$2,343.50

Component Description:	Project Management
Amount:	\$4,533.60

Component Description:	Project Management
Amount:	\$1,394.00

Component Description:	Project Management
Amount:	\$1,208.35

Component Description:	Project Management
Amount:	\$2,724.85

	Component Description: Amount:	Project Management \$2,383.80
	Component Description: Amount:	Project Management \$1,259.55
	Component Description: Amount:	Project Management \$994.50
	Component Description: Amount:	Project Management \$1,865.70
	Component Description: Amount:	Project Management \$4,533.60
	Component Description: Amount:	Project Management \$2,512.30
	Component Description: Amount:	Project Management \$2,202.80
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	<div> <div> Component Description: Amount: </div> <div> Legal Services \$351.00 </div> </div>

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$81,657.63	\$81,052.63		\$16,935.88	
MVPD Notification of Channel Change	<i>\$8,467.63</i>	\$8,467.63	Please See Estimated Cost Justification KETD-610-MVPD Notification v1	\$8,467.63	Please see submitted invoices.
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
Sub-total	\$81,657.63	\$81,052.63	N/A	\$16,935.88	N/A
Total for all systems	\$2,046,019.13	\$1,312,852.04	N/A	\$300,784.07	N/A

Components

Actual Information	
Description	File Name
MVPD Notification of Channel Change	<p>Component Description: MVPD Notification</p> <p>Amount: \$4,577.10</p> <p>Component Description: Notification of Cable and Satellite</p> <p>Amount: \$3,890.53</p>
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	<div> <div> Component Description: Amount: </div> <div> DTV Notification \$8,322.00 </div> </div>
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> Component Description: Amount: </div> <div> KETD, Castle Rock, CO Channel Repack \$146.25 </div> </div>

Cost Information	Grand Total		
	Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$2,046,019.13	\$1,312,852.04
			\$300,784.07

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	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. 	

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

<p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Michael Everett Todd <i>Chief Engineer</i></p> <p>08/24/2020</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol style="list-style-type: none"> 1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 	

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

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Michael Everett Todd <i>Chief Engineer</i></p> <p>08/24/2020</p>

Attachments