



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **57219** | Service: **DTV** | Call **KCEC** | Channel: **32 (UHF)** |  
ID: | Sign:  
File **0000028025**  
Number:  
FRN: **0002531630** | Date **06/10**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>SPANISH TELEVISION OF DENVER, INC.</b> Doing Business As: SPANISH TELEVISION OF DENVER, INC.	Christopher G. Wood 5999 CENTER DRIVE LOS ANGELES, CA 90045 United States	+1 (310) 348- 3600	CWOOD@UNIVISION. NET	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
<b>Theodore Stoner</b> <i>VP Distribution Technology Strategy Univision Management Company</i>	Theodore Stoner 9405 NW 41st Street Miami, FL 33178 United States	+1 (513) 608- 0308	tstoner@univision. net

**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	Replace existing single-channel antenna with wideband antenna, allowing operation on both pre- and post- cutover channels. Install new mask filter and main/auxiliary transmitters. Details are provided in the attached Implementation Plan.

**Transmitters**

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

**Auxiliary  
Transmitter****Add Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Operation during main transmitter maintenance, failure, or when reduced power is needed.
	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	DHD30P1
	Year	2005
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	7.25 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	THU9-5evo
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	8.2 kW
	Justification for New Transmitter	Amplifiers of existing transmitter are incapable of operation above channel 26, have been discontinued by the manufacturer, and replacements are otherwise unavailable.

**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
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	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

**Auxiliary  
Transmitter**

**Other Transmitter Cost Not Listed**

Information not provided.

**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	CTT-U- DCX-2
	Year	2003
	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	THU9-24evo
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	37 kW
	Justification for New Transmitter	Channel change of existing IOT transmitter not supported. See attached replacement analysis document and R&S quote.

**Primary  
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	Yes
	Description	Installation of 480: 400V transformer, distribution apparatus, and conduit /wiring to provide primary power to transmitter and ancillaries
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	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**

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?	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)	1000.0 kW

Manufacturer	
Model	TFU- 22DSC-R 3S200 DC
Year	2006

Primary  
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	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) .....	650.0 kW
	Manufacturer	

Model	SBBEP-24C170
Year	2018
Justification for New Antenna	Existing antenna is incapable of operation on post-repack channel. There is no available aperture on the tower for a new antenna. Only a wideband antenna will permit continuity of operation across the cutover to the new channel.

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	No
	Type	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No

	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<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.

**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	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
<b>New Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	1
	Number of Panels/Bays	4
	Lower Limit	470.00 MHz
	Upper Limit	800.00 MHz
	Design power capacity in use	85.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	300.0 kW
	Manufacturer	
	Model	PHP-4
	Year	1999

	Justification for New Antenna	Continuity of operation during replacement of main antenna - this request is for a new feed harness to distribute power to 4 existing panels stored at a sister station.
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**Interim  
Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an antenna?	No
<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?	No

**Interim  
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	Utilize Existing
	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	Dielectric
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	325 feet per run

Primary  
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Transmission Line Equipment	Connectors and Flange Hardware

Interim  
Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Flexible Air
	Diameter	3 inches
	Segment Length	N/A
	Other Segment Length	
	Number of parallel runs	1
	Length	175 feet per run
	Justification for New Transmission Line	Feed temporary antenna to maintain service during replacement of KRMA-TV and KTFD-DT main antennas

Interim  
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	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	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
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
67844	KOSI	FM
37101	KETD	DTV
83535	KVOD	FM
14040	KRMA-TV	DTV
35574	KQKS	FM
26929	KQMT	FM

**Primary  
Tower**

**Tower Modification Costs**

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for 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**

Information not provided.

**Outside  
Professional Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	520
	Explanation	Univision stations are only staffed for daily station operations and minor equipment changes, major projects are contracted out externally. The large volume of work associated with repack schedule requires using external project management resources.
<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	1
	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	No
	Quantity	N/A
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	No
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	No

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

**Outside Professional Services Costs**      **Other Professional Services Expenses Not Listed**  
Is support 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	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
<b>Other Miscellaneous Expenses</b>	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	No
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	No
	Does this relocation require Equipment Storage?	No
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	No
	Does this relocation require MVPD Notification of a Channel Change?	No

**Other  
Expenses**

**Other Expenses Not Listed**

Name	Description
Station Coordination	Coordinate proposed operation with Table Mountain

## 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 THU9-24evo</b>	<b>\$1,507,000.00</b>	<b>\$1,014,650.00</b>		<b>\$0.00</b>	
Other Electrical Service: Installation of 480: 400V transformer, distribution apparatus, and conduit /wiring to provide primary power to transmitter and ancillaries	<i>\$34,000.00</i>	\$34,000.00	See attached Electrical Distribution Cost document	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$980,650.00	R&S quote plus 7.65% sales/use tax on equipment	N/A	N/A
<b>Auxiliary Transmitter THU9-5evo</b>	<b>\$494,500.00</b>	<b>\$350,000.00</b>		<b>\$0.00</b>	
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	\$494,500.00	\$350,000.00	N/A	N/A	N/A
<b>Sub-total</b>	<b>\$2,001,500.00</b>	<b>\$1,364,650.00</b>	N/A	<b>\$0.00</b>	N/A

<b>Total for all systems</b>	\$3,148,612.55	\$1,865,059.44	N/A	\$127,542.22	N/A
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**Components**

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>Interim Antenna PHP-4</b>	<b>\$189,500.00</b>	<b>\$16,612.55</b>		<b>\$16,612.55</b>	
UHF â€œ Broadband Panel, Side Mount Auxiliary /Interim, 300 horizontally polarized	<i>\$0.00</i>	\$0.00	N/A	N/A	N/A
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$16,612.55	Radio Frequency Systems Quote #20058056 and Invoice #16465504	\$16,612.55	N/A
<b>Primary Antenna SBBEP-24C170</b>	<b>\$202,525.60</b>	<b>\$197,905.60</b>		<b>\$45,046.38</b>	
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$18,860.00	Includes 7.65% sales /use tax	N/A	N/A

UHF - High Power, Side Mount, basic slot antenna, 650 kW input, directional,, elliptically or circularly polarized	<b>\$172,645.60</b>	\$172,645.60	RFS Quote 20062711 Reviewer lowered this Cost Estimate to \$150,154.60, the cost of the L4L.	\$45,046.38	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
<b>Sub-total</b>	\$392,025.60	\$214,518.15	N/A	\$61,658.93	N/A
<b>Total for all systems</b>	\$3,148,612.55	\$1,865,059.44	N/A	\$127,542.22	N/A

## Components

Actual Information	
Description	File Name
UHF " Broadband Panel, Side Mount Auxiliary/Interim, 300 horizontally polarized	Information not provided.
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	<b>Component Description:</b> PHP4A KCEC INTERIM ANTENNA <b>Amount:</b> \$16,612.55
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.

UHF - High Power, Side Mount, basic slot antenna, 650 kW input, directional,, elliptically or circularly polarized	<div> <div> <b>Component Description:</b> </div> <div> 24 bay, side mounted, elliptically polarized broadband UHF antenna with 6-1 </div> </div> <div> <div> <b>Amount:</b> </div> <div> \$45,046.38 </div> </div>
Sweep test of existing antenna	Information not provided.

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
Interim Transmission Line	\$10,325.00	\$16,051.84		\$16,051.84	
Flexible Air Transmission Line - dielectric, 3"	\$10,325.00	\$16,051.84	Per RFS Invoice 16465503 & 16474757	\$16,051.84	N/A
Primary Transmission Line	\$8,511.95	\$8,511.95		\$8,511.95	
Transmission Line Equipment	\$8,511.95	\$8,511.95	N/A	\$8,511.95	N/A
Sub-total	\$18,836.95	\$24,563.79	N/A	\$24,563.79	N/A
Total for all systems	\$3,148,612.55	\$1,865,059.44	N/A	\$127,542.22	N/A

Components

Actual Information Description	File Name
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<p>Flexible Air Transmission Line - dielectric, 3"</p>	<table> <tr> <td data-bbox="710 87 1093 324"><b>Component Description:</b></td><td data-bbox="1093 87 1428 324">HELIFLEX 3in Low Loss Air Dielectric Cable Standard Jacket</td></tr> <tr> <td data-bbox="710 324 1093 436"><b>Amount:</b></td><td data-bbox="1093 324 1428 436">\$5,629.61</td></tr> <tr> <td data-bbox="710 436 1093 683"><b>Component Description:</b></td><td data-bbox="1093 436 1428 683">HELIFLEX 3in Low Loss Air Dielectric Cable Standard Jacket</td></tr> <tr> <td data-bbox="710 683 1093 728"><b>Amount:</b></td><td data-bbox="1093 683 1428 728">\$10,422.23</td></tr> </table>	<b>Component Description:</b>	HELIFLEX 3in Low Loss Air Dielectric Cable Standard Jacket	<b>Amount:</b>	\$5,629.61	<b>Component Description:</b>	HELIFLEX 3in Low Loss Air Dielectric Cable Standard Jacket	<b>Amount:</b>	\$10,422.23
<b>Component Description:</b>	HELIFLEX 3in Low Loss Air Dielectric Cable Standard Jacket								
<b>Amount:</b>	\$5,629.61								
<b>Component Description:</b>	HELIFLEX 3in Low Loss Air Dielectric Cable Standard Jacket								
<b>Amount:</b>	\$10,422.23								
<p>Transmission Line Equipment</p>	<table> <tr> <td data-bbox="710 728 1093 929"><b>Component Description:</b></td><td data-bbox="1093 728 1428 929">8-3/16" TO 6 1/8" REDUCER 75 OHM</td></tr> <tr> <td data-bbox="710 929 1093 1014"><b>Amount:</b></td><td data-bbox="1093 929 1428 1014">\$8,511.95</td></tr> </table>	<b>Component Description:</b>	8-3/16" TO 6 1/8" REDUCER 75 OHM	<b>Amount:</b>	\$8,511.95				
<b>Component Description:</b>	8-3/16" TO 6 1/8" REDUCER 75 OHM								
<b>Amount:</b>	\$8,511.95								

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	\$591,600.00	\$141,000.00		\$4,085.00	
Structural engineering tower load study for well documented tower	\$12,600.00	\$6,000.00	N/A	\$4,085.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$60,000.00	N/A	N/A	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$75,000.00	N/A	N/A	N/A
Sub-total	\$591,600.00	\$141,000.00	N/A	\$4,085.00	N/A
Total for all systems	\$3,148,612.55	\$1,865,059.44	N/A	\$127,542.22	N/A

Components

Actual Information	
Description	File Name

Structural engineering tower load study for well documented tower	<div> <div>Component Description:</div> <div>Professional Engineering Services</div> <div>Amount:</div> <div>\$4,085.00</div> </div>
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.
Minor tower reinforcement /modifications	Information not provided.

## Cost Information

### Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Outside Professional Services</b>	<b>\$131,820.00</b>	<b>\$112,062.50</b>		<b>\$36,734.50</b>	
Project management of the transition	\$82,160.00	\$78,000.00	N/A	\$23,547.00	N/A
RF Exposure Measurements	\$21,050.00	\$10,000.00	N/A	\$0.00	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$1,000.00	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
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$4,312.50	Broadcast Transmission Services #7B, 14C, 018B, du Treil, Lundin & Rackley, Inc #240618	\$3,687.50	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$8,500.00	du Treil, Lundin & Rackley invoices #242884 & others	\$8,500.00	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 request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	\$1,000.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$2,500.00	N/A	N/A	N/A
<b>Sub-total</b>	\$131,820.00	\$112,062.50	N/A	\$36,734.50	N/A
<b>Total for all systems</b>	\$3,148,612.55	\$1,865,059.44	N/A	\$127,542.22	N/A

## Components

Actual Information	
Description	File Name
Project management of the transition	<p><b>Component Description:</b> Project management Services</p> <p><b>Amount:</b> \$269.75</p>

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,087.35

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,536.95

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,915.30

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$3,322.10

<b>Component Description:</b>	Project management Services
<b>Amount:</b>	\$337.35

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$1,402.30

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,857.20

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,705.55

<b>Component Description:</b>	Project Management
<b>Amount:</b>	\$2,769.35

	<b>Component Description:</b> <b>Amount:</b>	Project mgt \$2,343.80
RF Exposure Measurements	Information not provided.	
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	

Perform engineering study for new channel assignment and antenna development	<b>Component Description:</b>  <b>Amount:</b>	KCEC-DT-590- Outside RF consulting Engineering Services \$125.00
	<b>Component Description:</b>  <b>Amount:</b>	KCEC-DT-590- Outside RF consulting Engineering Services \$250.00
	<b>Component Description:</b>  <b>Amount:</b>	Advise measurements on temp antenna \$62.50
	<b>Component Description:</b>  <b>Amount:</b>	Antenna & ERP optimization analysis - STA preparation support \$500.00
	<b>Component Description:</b>  <b>Amount:</b>	Transmission facility analysis & design- antenna optimization \$2,750.00
Prepare and or review reimbursement form	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	<b>Component Description:</b>  <b>Amount:</b>	Modify CP based on RFE and notify Table Mountain. \$2,500.00



<b>Component Description:</b>	Prepare an amendment to KCEC-DT's repack application (proposal 7/6 /2018) to protect the Table Mountain facility
<b>Amount:</b>	\$250.00

<b>Component Description:</b>	Engineering study work for new channel assignment including antenna development (Custom Antenna) and preparation of the engineering section of FCC Form 2100 (90 day construction permit application).
<b>Amount:</b>	\$1,750.00

<b>Component Description:</b>	Engineering study work for new channel assignment including antenna development. Preparation of the engineering section of FCC Form 2100.
<b>Amount:</b>	\$2,000.00

<b>Component Description:</b>	RF Eng - Construction Permit Applicaiton (Main)
<b>Amount:</b>	\$250.00

	<p><b>Component Description:</b> Professional Services</p> <p><b>Amount:</b> \$875.00</p>
	<p><b>Component Description:</b> Prepare an amendment to KCEC-DT's repack application (proposal 7/6 /2018) to protect the Table Mountain facility</p> <p><b>Amount:</b> \$875.00</p>
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
Prepare request for Special Temporary Authorization	<p><b>Component Description:</b> KCEC-DT-530-RF Eng - Special Temporary Authorization</p> <p><b>Amount:</b> \$1,000.00</p>
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	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	\$12,830.00	\$8,265.00		\$500.00	
Station Coordination	<i>\$750.00</i>	\$750.00	N/A	\$500.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$7,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Sub-total	\$12,830.00	\$8,265.00	N/A	\$500.00	N/A
Total for all systems	\$3,148,612.55	\$1,865,059.44	N/A	\$127,542.22	N/A

Components

Actual Information	
Description	File Name
Station Coordination	<div><div>Component Description:</div><div>Coordinate proposed KTFS-DT operation with Table Mountain</div><div>Amount:</div><div>\$500.00</div></div>

FCC Filing Fees - Form 2100 license to cover application	Information not provided.
DTV Medical Facility Notification	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.

<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>	\$3,148,612.55	\$1,865,059.44
			\$127,542.22

<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.

**Marcello Enriquez**  
*Senior Finance Analyst*

06/10/2019



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"> <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>Marcello Enriquez</b>  <i>Senior Finance Analyst</i></p> <p>06/10/2019</p>

## Attachments