



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **19783** | Service: **DTV** | Call **KVEA** | Channel: **25 (UHF)**  
ID: | Sign:  
File **0000028173**  
Number:  
FRN: **0019509470** | Date **05/31**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>NBC</b>	Margaret L.	+1 (202)	MARGARET.	Limited
<b>TELEMUNDO</b>	Tobey	524-	TOBEY@NBCUNI.	Liability
<b>LICENSE LLC</b>	300 NEW JERSEY AVE, N.W. SUITE 700 WASHINGTON, DC 20001 United States	6401	COM	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>Margaret L Tobey</b>	300 New Jersey Ave. NW Suite 700 Washington, DC 20001 United States	+1 (202) 524- 6401	Margaret.Tobey@nbcuni. com

**Broadcaster Information and Transition Plan**

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	Yes
Briefly describe transition plan	Switch to new shared ATC interim antenna using existing IOT transmitter as interim transmitter. Remove old antenna and install new antenna and transmitter for new channel. Remove old transmitter after channel change.

Question	Response
Sharee Station Facility ID	56384
Call Sign	KBEH
Type	Commercial
Licensee Name	KWHY-22 BROADCASTING, LLC
Status	LICENSED
DTS (Distributed Transmission System )	No
Community of License	GARDEN GROVE, CA
Pre-auction RF Channel	42
Post-auction RF Channel	42
Neilsen DMA	Los Angeles
Network Affiliation	

Question	Response
Sharee Station Facility ID	60026
Call Sign	KHTV-CD
Type	
Licensee Name	VENTURE TECHNOLOGIES GROUP, LLC
Status	LICENSED
DTS (Distributed Transmission System)	No
Community of License	LOS ANGELES, CA
Pre-auction RF Channel	27
Post-auction RF Channel	27
Neilsen DMA	Los Angeles
Network Affiliation	

Question	Response
Sharee Station Facility ID	26231
Call Sign	KWHY-TV
Type	Commercial
Licensee Name	KWHY-22 BROADCASTING, LLC
Status	LICENSED
DTS (Distributed Transmission System)	No

Community of License	LOS ANGELES, CA
Pre-auction RF Channel	42
Post-auction RF Channel	4
Neilsen DMA	Los Angeles
Network Affiliation	

Question	Response
Sharee Station Facility ID	63149
Call Sign	KZNO-LP
Type	
Licensee Name	BEAR VALLEY BROADCASTING, LLC
Status	LICENSED
DTS (Distributed Transmission System)	No
Community of License	BIG BEAR LAKE, CA
Pre-auction RF Channel	6
Post-auction RF Channel	
Neilsen DMA	
Network Affiliation	

Question	Response
Sharee Station Facility ID	22161
Call Sign	KRCA
Type	Commercial

Licensee Name	KRCA LICENSE LLC
Status	LICENSED
DTS (Distributed Transmission System)	No
Community of License	RIVERSIDE, CA
Pre-auction RF Channel	7
Post-auction RF Channel	35
Neilsen DMA	Los Angeles
Network Affiliation	

Question	Response
Sharee Station Facility ID	35608
Call Sign	KSCI
Type	Commercial
Licensee Name	NRJ TV LA LICENSE CO, LLC
Status	LICENSED
DTS (Distributed Transmission System)	No
Community of License	LONG BEACH, CA
Pre-auction RF Channel	18
Post-auction RF Channel	18
Neilsen DMA	Los Angeles
Network Affiliation	

**Transmitters**

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

**Primary  
Transmitter**

**Existing Transmitter Information**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<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	DCXP-2
	Year	2010
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	52.9 kW

**Primary  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	THU9-48
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	73.5 kW
	Justification for New Transmitter	A new transmitter is required so that we can use the existing transmitter during the transition to maintain coverage. We have selected a solid state transmitter as it will be less expensive than a comparable IOT. IOT Proposal attached for reference.



**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)	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

**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**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<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	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	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-20ETT /VP-R 4C160
Year	2010

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**Primary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	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 Types</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	748.0 kW
	Manufacturer	

Model	TFU-18ETT /VP-R 4C160
Year	2019
Justification for New Antenna	Current antenna is channelized and will not work on new channel (Ch 25)

**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?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	7 3/16 inches inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power 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
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**Primary  
Antenna**

**Other Antenna Cost Not Listed**

<b>Name</b>	<b>Description</b>
<b>Mounting Adapter</b>	Wedding Cake Mounting Adapter

**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Interim
	Description of Use	N/A
	Change Type	Lease New
	Ownership	Leased
	Owner	American Tower
	Is antenna shared?	Yes
	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	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)	350.0 kW
	Manufacturer	
	Model	TFU-16WB C160
Year	2019	



Justification for New Antenna	New antenna required to maintain coverage during transition.
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**Interim Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	3
	Frequencies of channels supported	Upper and lower frequency
	Frequency	470.0 MHz - 698.0 MHz
	Do you need a combiner output splitter /switcher for dual feed lines?	No
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	B
	Feed Line Size	6 1/8 inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an 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

**Interim  
Antenna**

**Other Antenna Cost Not Listed**

Name	Description
<b>Combiner Installation</b>	Installation of combiner for interim antenna

**Transmission  
Line**

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

**Primary  
Transmission  
Line**

**Existing Transmission Line**

Section	Question	Response
<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	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	19 3/4 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	250 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	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	250 feet per run
	Justification for New Transmission Line	Current transmission line will not work on new channel (ch 25)

**Primary  
Transmission  
Line**      **Other Transmission Line Expenses Not Listed**

Information not provided.

**Interim  
Transmission  
Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	6 1/8 inches
	Segment Length	Broadband
	Other Segment Length	
	Number of parallel runs	1
	Length	320 feet per run
	Justification for New Transmission Line	New transmission line required to connect to new interim antenna

**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
<b>Existing Tower Description</b>	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?	No
	Is tower compliant with Rev G?	No
<b>Existing Tower Structure Registration</b>	Do you have a tower registration number?	Yes
	ASR Number	1213941
<b>Coordinates (NAD83 ( North American Datum of 1983))</b>	Latitude (NAD83)	34° 12' 47.9" N-
	Longitude (NAD83)	118° 03' 44.3" W-
	Overall Structure Height	199.80 feet
	Support Structure Height	199.80 feet
	Ground Elevation Above Mean Sea Level (AMSL)	5428.08 feet
	Structure Type	LTOWER - Lattice Tower

Tower Owner	SpectraSite Communications, LLC. through American Towers, LLC.
Date Constructed	07/01/2000

**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
63865	KILM	DTV
60026	KHTV-CD	DTV
56384	KBEH	DTV
35608	KSCI	DTV
26231	KWHY-TV	DTV
22161	KRCA	DTV

**Primary  
Tower**

**Tower Modification Costs**

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

**Primary  
Tower**

**Tower Rigging Costs**

Section	Question	Response
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<b>Tower Rigging Costs</b>	Complex Tower	Terrain constrained
<b>Helicopter Services Required</b>	Are helicopter services required?	Yes

**Primary Tower**

**Other Tower Expenses Not Listed**

<b>Name</b>	<b>Description</b>
<b>Ground Permit Drawing Package</b>	Ground & Building A&E Permit Drawing Package (Cost per ATC customer)
<b>Migratory Bird Assessment</b>	Migratory Bird Assessment / Permitting (Cost per ATC customer)

**Auxiliary  
Tower**

**Add Tower**

Section	Question	Response
<b>Existing Tower Description</b>	Type of change	Modify Existing
	Tower Use	Auxiliary (Backup)
	Description of Use	Used to maintain coverage when main antenna or transmitter is unavailable
	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?	No
	Is tower compliant with Rev G?	No
<b>Existing Tower Structure Registration</b>	Do you have a tower registration number?	No
	ASR Number	
<b>Coordinates (NAD83 ( North American Datum of 1983))</b>	Latitude (NAD83)	34° 12' 46.0" N-
	Longitude (NAD83)	118° 03' 44.9" W-
	Overall Structure Height	5624.00 feet
	Support Structure Height	199.00 feet
	Ground Elevation Above Mean Sea Level (AMSL)	5425.00 feet

Structure Type	LTOWER - Lattice Tower
Tower Owner	American Tower
Date Constructed	06/19/2000

**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
35078	KLOS	FM
58978	KPXN-TV	DTV
191101	KSFV-CD	DTV

**Auxiliary  
Tower**

**Tower Modification Costs**

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

**Auxiliary  
Tower**

**Tower Rigging Costs**

Section	Question	Response
<b>Tower Rigging Costs</b>	Complex Tower	Terrain constrained

<b>Helicopter Services Required</b>	Are helicopter services required?	No
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**Auxiliary Tower**

**Other Tower Expenses Not Listed**

<b>Name</b>	<b>Description</b>
<b>Ground and Building Permit Drawing Package</b>	Ground Drawing Package for permit filing (Cost per ATC customer)
<b>Tower Permit Drawing Package</b>	Tower Drawing Package for permit filing (Cost per ATC customer)

**Outside Professional Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	2080
	Explanation	Project oversight of transmitter install, electrical connectivity, tower work, and antenna installation. Additional time will be spent tracking financial and legal process and coordinating with other broadcasters.
<b>Outside RF consulting Engineering Services</b>	Perform engineering study for new channel assignment and antenna development	No
	Prepare engineering section of Form FCC Construction Permit Application	No
	For Auxiliary Facility	N/A
	For Main Facility	N/A
	Prepare engineering section of Form FCC License to Cover Application	No
	For Auxiliary Facility	N/A
	For Main Facility	N/A
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	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	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	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	No
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	40

Justification	Ground level RF engineering
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**Outside Professional Services Costs**      **Other Professional Services Expenses Not Listed**  
Information 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	Yes
	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)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes



**Other  
Expenses**

**Other Expenses Not Listed**

Name	Description
Interim Antenna Rental	One time charge for rental during market repack period

**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 THU9-48</b>	<b>\$5,260,000.00</b>	<b>\$3,048,942.27</b>		<b>\$1,016,314.09</b>	
UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW	\$1,999,000.00	\$1,016,314.09	N/A	\$1,016,314.09	N/A
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,016,314.09	***System Notice: Estimate adjusted and locked because line has been superseded.***	\$0.00	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,016,314.09	***System Notice: Estimate adjusted and locked because line has been superseded.***See attached IOT proposal (\$1,310,225) to justify Solid State replacement.	\$0.00	N/A
<b>Sub-total</b>	<b>\$5,260,000.00</b>	<b>\$3,048,942.27</b>	N/A	<b>\$1,016,314.09</b>	N/A

<b>Total for all systems</b>	\$8,310,463.00	\$5,477,465.77	N/A	\$1,649,082.91	N/A
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## Components

Actual Information	
Description	File Name
UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW	<p><b>Component Description:</b> Transmitter we are requesting is the THU9-48, which is the upgraded model we are ordering. See cover letter to see what we are asking to be reimbursed for.</p> <p><b>Amount:</b> \$1,016,314.09</p>
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	<p><b>Component Description:</b> Updated Estimate so we are requesting for a 55 kW transmitter. See updated invoice with cover letter. We are asking to only be reimbursed for Line 1 with proportional amount of tax. Line 2 is an upgrade which NBC will be responsible for paying for.</p> <p><b>Amount:</b> \$1,016,314.09</p>

UHF - Liquid Cooled Solid  
State Transmitter 35 - 50 kW

**Component Description:**

See updated invoice with cover letter. We are asking to only be reimbursed for Line 1 with proportional amount of tax. Line 2 is an upgrade which NBC will be responsible for paying for.

**Amount:**

\$1,016,314.09

**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 TFU-16WB C160</b>	<b>\$320,613.00</b>	<b>\$145,358.00</b>		<b>\$0.00</b>	
Combiner Installation	<i>\$3,333.00</i>	\$3,333.00	KVEA share of interim combiner cost	N/A	N/A
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$97,025.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$5,000.00	N/A	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$32,000.00	KVEA share of interim combiner cost	N/A	N/A

Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$4,000.00	KVEA share of interim elbow complex cost	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$4,000.00	KVEA share of interim bracket cost	N/A	N/A
<b>Primary Antenna TFU-18ETT /VP-R 4C160</b>	<b>\$321,730.00</b>	<b>\$416,699.00</b>		<b>\$375,029.10</b>	
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$385,986.00	See attached quote "KVEA Main Antenna Quote"	\$347,387.40	N/A
Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	\$13,900.00	\$12,383.00	N/A	\$11,144.70	N/A

Mounting Adapter	<i>\$18,330.00</i>	\$18,330.00	See attached main antenna quote	\$16,497.00	N/A
<b>Sub-total</b>	\$642,343.00	\$562,057.00	N/A	\$375,029.10	N/A
<b>Total for all systems</b>	\$8,310,463.00	\$5,477,465.77	N/A	\$1,649,082.91	N/A

## Components

Actual Information	
Description	File Name
Combiner Installation	Information not provided.
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	Information not provided.
Sweep test of existing antenna	Information not provided.
New combiner, cost per channel (without antenna)	Information not provided.
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	<p><b>Component Description:</b> See lines 1 and 2 of invoice</p> <p><b>Amount:</b> \$173,693.70</p> <p><b>Component Description:</b> See lines 1 and 2 of invoice</p> <p><b>Amount:</b> \$173,693.70</p>

<p>Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)</p>	<p><b>Component Description:</b> See line 3 of invoice  <b>Amount:</b> \$5,572.35</p>
<p>Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)</p>	<p><b>Component Description:</b> See line 3 of invoice  <b>Amount:</b> \$5,572.35</p>
<p>Mounting Adapter</p>	<p><b>Component Description:</b> See line 4 of invoice  <b>Amount:</b> \$8,248.50</p>
<p>Mounting Adapter</p>	<p><b>Component Description:</b> See line 4 of invoice  <b>Amount:</b> \$8,248.50</p>



**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
<b>Interim Transmission Line</b>	<b>\$74,240.00</b>	<b>\$27,200.00</b>		<b>\$0.00</b>	
Rigid Transmission Line - copper, 6 1/8" broadband	\$74,240.00	\$27,200.00	KVEA share of cost for new interim antenna	N/A	N/A
<b>Primary Transmission Line</b>	<b>\$72,500.00</b>	<b>\$128,742.50</b>		<b>\$115,868.26</b>	
Rigid Transmission Line - copper, 7 3/16"	\$72,500.00	\$128,742.50	See lines 4 & 5 of main antenna quote	\$115,868.26	N/A
<b>Sub-total</b>	<b>\$146,740.00</b>	<b>\$155,942.50</b>	N/A	<b>\$115,868.26</b>	N/A
<b>Total for all systems</b>	<b>\$8,310,463.00</b>	<b>\$5,477,465.77</b>	N/A	<b>\$1,649,082.91</b>	N/A

**Components**

Actual Information	
Description	File Name
Rigid Transmission Line - copper, 6 1/8" broadband	Information not provided.

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Rigid Transmission Line -  
copper, 7 3/16"

**Component Description:** See lines 5-25 of  
invoice  
**Amount:** \$57,934.13

**Component Description:** See lines 5-25 of  
invoice  
**Amount:** \$57,934.13

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**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
<b>Primary Tower LTOWER</b>	<b>\$997,015.00</b>	<b>\$692,098.00</b>		<b>\$0.00</b>	
Migratory Bird Assessment	<i>\$583.00</i>	\$583.00	KVEA share of Migratory Bird Assessment on primary tower	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
Major tower reinforcement /modifications	\$421,000.00	\$150,000.00	KVEA Share of Tower reinforcement	N/A	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$13,383.00	KVEA Share of Tower Mapping (\$6867) and structural engineering (\$6517) costs	N/A	N/A

Tower Helicopter Lift	<i>\$123,432.00</i>	\$123,432.00	Due to constraints in road to the site and the area around the tower we require a helicopter lift to remove our old antenna and install a new antenna. Proposal attached.	N/A	N/A
Ground Permit Drawing Package	<i>\$4,700.00</i>	\$4,700.00	N/A	N/A	N/A
<b>Auxiliary Tower LTOWER</b>	<b>\$614,700.00</b>	<b>\$397,811.00</b>		<b>\$0.00</b>	
Tower Permit Drawing Package	<i>\$4,700.00</i>	\$4,700.00	N/A	N/A	N/A
Ground and Building Permit Drawing Package	<i>\$4,700.00</i>	\$4,700.00	N/A	N/A	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$300,000.00	N/A	N/A	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$75,000.00	KVEA Share of Tower costs	N/A	N/A

Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$13,411.00	KVEA Share of Tower mapping (\$8173) and structural analysis (\$5238) costs	N/A	N/A
<b>Sub-total</b>	\$1,611,715.00	\$1,089,909.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$8,310,463.00	\$5,477,465.77	N/A	\$1,649,082.91	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>\$490,985.00</b>	<b>\$468,250.00</b>		<b>\$135,021.46</b>	
Additional Field Engineering Service, 40 Days	<i>\$40,000.00</i>	\$40,000.00	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
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 - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	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	\$302.40	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	\$662.76	N/A
Project management of the transition	\$328,640.00	\$312,000.00	N/A	\$134,056.30	N/A
<b>Sub-total</b>	<b>\$490,985.00</b>	<b>\$468,250.00</b>	<b>N/A</b>	<b>\$135,021.46</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$8,310,463.00</b>	<b>\$5,477,465.77</b>	<b>N/A</b>	<b>\$1,649,082.91</b>	<b>N/A</b>

## Components

Actual Information	
Description	File Name
Additional Field Engineering Service, 40 Days	Information not provided.
RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.

<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<p><b>Component Description:</b> See lines 1 &amp; 2 of invoice, less 10% vendor discount. <b>Amount:</b> \$189.00</p>
	<p><b>Component Description:</b> Preparation of CP and minor change application <b>Amount:</b> \$113.40</p>
<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<p>Information not provided.</p>
<p>Prepare and or review reimbursement form</p>	<p><b>Component Description:</b> See lines 3-5 of invoice, less 10% vendor discount. <b>Amount:</b> \$499.86</p> <p><b>Component Description:</b> Review of Form 399 <b>Amount:</b> \$43.65</p> <p><b>Component Description:</b> Review of Form 399 <b>Amount:</b> \$43.65</p> <p><b>Component Description:</b> Review additional information required for 399. <b>Amount:</b> \$75.60</p>
<p>Project management of the transition</p>	<p><b>Component Description:</b> Project Management <b>Amount:</b> \$29,923.00</p>



**Component Description:** Project  
Management  
**Amount:** \$150.00

**Component Description:** Project  
Management  
**Amount:** \$900.00

**Component Description:** Project  
Management  
Invoice  
**Amount:** \$5,225.00

**Component Description:** November 2018  
Project  
Management  
**Amount:** \$3,750.00

**Component Description:** Point B Project  
Management  
January 2019  
**Amount:** \$3,000.00

**Component Description:** Project  
management and  
travel expenses  
**Amount:** \$7,080.60

**Component Description:** June 2018 Project  
Management  
**Amount:** \$4,605.00

**Component Description:** October 2018  
Project  
Management  
**Amount:** \$600.00

**Component Description:** July 2018 Project Management  
**Amount:** \$5,040.00

**Component Description:** June 2018 Project Management - KVEA portion (line 2)  
**Amount:** \$150.00

**Component Description:** Project Management Services  
**Amount:** \$600.00

**Component Description:** Project Management Services  
**Amount:** \$2,470.00

**Component Description:** Project Management Services  
**Amount:** \$1,072.50

**Component Description:** Project Management Services  
**Amount:** \$3,965.00

**Component Description:** Project management  
**Amount:** \$6,900.00

**Component Description:** August 2018 Project Management  
**Amount:** \$8,245.00

**Component Description:** Project Management Services  
**Amount:** \$1,275.00

**Component Description:** Project Management Services  
**Amount:** \$975.00

**Component Description:** September 2018 Project Management  
**Amount:** \$1,745.38

**Component Description:** Project Management Services. See last page for explanation of variance.  
**Amount:** \$3,689.84

**Component Description:** Project Management Services  
**Amount:** \$348.95

**Component Description:** June 2018 Project Management  
**Amount:** \$750.00

**Component Description:** August 2018 Project Management  
**Amount:** \$300.00

**Component Description:** Project management  
**Amount:** \$6,900.00

**Component Description:** Point B project management services for the month of February 2019. See line item.  
**Amount:** \$3,150.00

**Component Description:** September 2018 Project Management  
**Amount:** \$9,075.00

**Component Description:** AFF Consulting January 2019 - Status Call  
**Amount:** \$150.00

**Component Description:** Jan 2018 Project Management  
**Amount:** \$9,750.00

**Component Description:** October 2018 Project Management  
**Amount:** \$7,031.63

**Component Description:** Project management  
**Amount:** \$5,239.40

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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>\$158,680.00</b>	<b>\$152,365.00</b>		<b>\$6,850.00</b>	
Interim Antenna Rental	<i>\$57,600.00</i>	\$57,600.00	Interim antenna lease costs (see proposal from ATC)	N/A	N/A
MVPD Notification of Channel Change	<i>\$12,000.00</i>	\$12,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$25,000.00</i>	\$25,000.00	N/A	N/A	N/A
Equipment Storage	<i>\$5,000.00</i>	\$5,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$12,000.00</i>	\$12,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	<i>\$20,000.00</i>	\$20,000.00	N/A	\$6,850.00	N/A
BLM or NFS Coordination	<i>\$10,000.00</i>	\$10,000.00	N/A	N/A	N/A
Non-zoning permits	<i>\$2,500.00</i>	\$2,500.00	N/A	N/A	N/A

DTV Medical Facility Notification	\$11,550.00	\$5,250.00	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 - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Local Zoning	<i>\$2,500.00</i>	\$2,500.00	N/A	N/A	N/A
<b>Sub-total</b>	\$158,680.00	\$152,365.00	N/A	\$6,850.00	N/A
<b>Total for all systems</b>	\$8,310,463.00	\$5,477,465.77	N/A	\$1,649,082.91	N/A

## Components

Actual Information	
Description	File Name
Interim Antenna Rental	Information not provided.
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.
Equipment Delivery and Handling Charges	Information not provided.

<p>Disposal Costs (for equipment and other waste, net of any salvage value)</p>	<p><b>Component Description:</b> Asbestos abatement monitoring during vinyl floor tile removal</p> <p><b>Amount:</b> \$2,350.00</p> <p><b>Component Description:</b> Floor tile removal</p> <p><b>Amount:</b> \$4,500.00</p>
<p>BLM or NFS Coordination</p>	<p>Information not provided.</p>
<p>Non-zoning permits</p>	<p>Information not provided.</p>
<p>DTV Medical Facility Notification</p>	<p>Information not provided.</p>
<p>FCC Filing Fees - Form 2100 license to cover application</p>	<p>Information not provided.</p>
<p>FCC Filing Fees - Special Temporary Authorization request</p>	<p>Information not provided.</p>
<p>Local Zoning</p>	<p>Information not provided.</p>

**Cost Information** **Grand Total**

	<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>	<b>Actual Cost</b>
<b>Total for all systems</b>	\$8,310,463.00	\$5,477,465.77	\$1,649,082.91

**Reimbursement Status**

<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
	<p><b>Submission of Estimated Expenses Statements</b></p>	<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.

**Margaret L  
Tobey**  
*Assistant  
Secretary*

05/31/2019

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

8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.

**Margaret L  
Tobey**  
*Assistant  
Secretary*

05/31/2019

## Attachments