



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **55379** | Service: **DTV** | Call **KDLT-TV** | Channel: **21 (UHF)** |  
ID: | Sign: |  
File **0000027436**  
Number:  
FRN: **0018223693** | Date **08/21**  
Submitted: **/2018**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>RED RIVER BROADCAST CO., LLC</b> Doing Business As: RED RIVER BROADCAST CO., LLC	Kathy Lau P.O. BOX 9115 FARGO, ND 58106 United States	+1 (701) 277-1515	KLAU@KVRN.COM	Limited Liability Company

## Reimbursement Contact Information

### Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

## Preparer Contact Information

### Preparer Contact Name and Information

Applicant	Address	Phone	Email
<b>Michael Streby</b> Chief Engineer KDLT	Michael Streby 3600 S. Westport Ave. Sioux Falls, SD 57106 United States	+1 (605) 361-5555	streby@kdlt.com

**Broadcaster  
Information  
and  
Transition  
Plan**

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	Transition to CH 21 from current CH 47

**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	Replace current Aux unit
	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	Affinity
	Year	2006
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	2 kW

**Auxiliary  
Transmitter****New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	EC703
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	2.5 kW
	Justification for New Transmitter	Replace current backup transmitter

**Auxiliary  
Transmitter****Other Transmitter Costs**

Section	Question	Response
<b>Electrical Service</b>	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	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**

Name		Description
State and Local Taxes		State and local sales taxes

**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	DCX1M
	Year	2006
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	60 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?	No
	Manufacturer	
	Model	HPTV-PRLX-U48
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	68.5 kW
	Justification for New Transmitter	Comark has sent notification that the DCX Millennium series has reached end of life status. See attached letter titled "Comark EOL" for additional details.

**Primary  
Transmitter**

**Other Transmitter Costs**

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

	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	4 inches
	Length	200.0 feet
	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**

Name	Description
<b>State and Local Taxes</b>	Sales Tax State and Local
<b>Site Survey</b>	Layout and design of installation includes sweep of old feedline
<b>UHF Interior RF system</b>	Combining system to match tr



**Antennas**

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

**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Top
	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-36GTH-R04
Year	2006

Primary  
Antenna

New Antenna Costs

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

Model	TFU-27JTH /VP-R04
Year	2017
Justification for New Antenna	Current Antenna will not work on the new freq.

## 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?	Yes

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Name		Description
State and Local Taxes		State and local sales tax of 6.5%
Support pole		To maintain center of radiation
Top Plate Adaptor		New antenna mounting

**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?	No
<b>New Antenna Manufacturer and Type</b>	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) .....	321.0 kW
	Manufacturer	
	Model	TFU- 24DSC-V/P- R-03

Year	2018
Justification for New Antenna	Side mount gives ability to reach translators during primary top mount installation

**Interim  
Antenna**

**Other Antenna Costs**

Section	Question	Response
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	7 3/16 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?	Yes
<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>State and Local Taxes</b>	State and Local sales tax of 6.5%



**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	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	2000 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	2200 feet per run
	Justification for New Transmission Line	Old line cannot be used for new channel frequency

**Primary**  
**Transmission Line**

**Other Transmission Line Expenses Not Listed**

Name	Description
<b>State and Local Taxes</b>	State and local sales tax of 6.5%

**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	19 ½ '
	Other Segment Length	
	Number of parallel runs	1
	Length	1600 feet per run
	Justification for New Transmission Line	Interim line for temporary transmitter and will be transferred to the new backup once the transition is complete. Phase dates require that we change over mid winter so we need to have the work done in the summer prior.

Interim  
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
State and Local Taxes	State and local sales tax of 6.5%

**Tower Equipment And Rigging Costs**

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

**Primary Tower**

**Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	Candelabra
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	Unknown
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1042104
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	43° 30' 18.0" N-
	Longitude (NAD83)	096° 33' 23.0" W-
	Overall Structure Height	1998.66 feet
	Support Structure Height	1882.52 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1426.82 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	RED RIVER BROADCAST CO., LLC
Date Constructed	08/19/1998

### 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:	No reinforcements needed

### Primary Tower

#### Tower Rigging Costs

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

### Primary Tower

#### Other Tower Expenses Not Listed

Name	Description
State and Local Taxes	State and local sales tax of 6.5%

**Outside  
Professional**

Section	Question	Response
<b>Services Costs Outside Project Management Services</b>	Do you require outside project management services?	No
	Number of Hours	N/A
	Explanation	N/A
<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	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	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	2
	Justification	site survey to sweep line and determine the ability to reuse any components.

**Outside Professional Services Costs**      **Other Professional Services Expenses Not Listed**

If wireless is 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	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)?	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
<b>Employee time</b>	recover salary expenses on time spent on repack project.
<b>Modify Recieve antenna</b>	to increase signal strength reception of the translator sites
<b>State and Local Taxes</b>	State and Local Sales Tax 6.5%

## 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 HPTV-PRLX-U48</b>	<b>\$2,357,264.00</b>	<b>\$2,254,664.00</b>		<b>\$1,838,616.00</b>	
UHF Interior RF system	<i>\$140,000.00</i>	\$140,000.00	N/A	N/A	N/A
Site Survey	<i>\$16,400.00</i>	\$16,400.00	N/A	\$16,400.00	N/A
State and Local Taxes	<i>\$129,064.00</i>	\$129,064.00	N/A	\$112,216.00	N/A
UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW	\$1,999,000.00	\$1,900,000.00	N/A	\$1,710,000.00	N/A
4" Rigid Conduit and Wiring (Cost per foot)	\$20,200.00	\$19,200.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	N/A	N/A
<b>Auxiliary Transmitter EC703</b>	<b>\$189,650.00</b>	<b>\$181,050.00</b>		<b>\$115,020.00</b>	

State and Local Taxes	<b>\$11,050.00</b>	\$11,050.00	N/A	\$7,020.00	N/A
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$126,000.00	\$120,000.00	N/A	\$108,000.00	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
<b>Sub-total</b>	\$2,546,914.00	\$2,435,714.00	N/A	\$1,953,636.00	N/A
<b>Total for all systems</b>	\$5,187,670.35	\$4,929,412.35	N/A	\$3,598,965.49	N/A

## Components

Actual Information	
Description	File Name
UHF Interior RF system	Information not provided.
Site Survey	<p><b>Component Description:</b> Site Survey</p> <p><b>Amount:</b> \$16,400.00</p>

State and Local Taxes	<b>Component Description:</b>		State taxes 30%
			Primary
			Transmitter
	<b>Amount:</b>		\$37,050.00
	<b>Component Description:</b>		Sales Tax 60%
			Primary
UHF - Liquid Cooled Solid State Transmitter 68.5 - 75 kW			Transmitter
	<b>Amount:</b>		\$74,100.00
	<b>Component Description:</b>		State Tax
	<b>Amount:</b>		\$1,066.00
	<b>Component Description:</b>		Primary
			Transmitter 60%
4" Rigid Conduit and Wiring (Cost per foot)	<b>Amount:</b>		\$1,140,000.00
	<b>Component Description:</b>		Primary
			Transmitter 30%
			down
	<b>Amount:</b>		\$570,000.00
Switchgear - industrial 800 amp	Information not provided.		
Service entrance 3 phase /800 amp/208 volt	Information not provided.		

State and Local Taxes	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Sales Tax on 60% of the Aux Transmitter @ 6.5% \$4,680.00 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> State taxes Auxillary Transmitter 30% down \$2,340.00 </div> </div>
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Aux Transmitter 60% \$72,000.00 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Auxillary Transmitter 30% down \$36,000.00 </div> </div>
Service entrance 3 phase /800 amp/208 volt	Information not provided.
Switchgear - industrial 800 amp	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
Interim Antenna TFU- 24DSC-V /P-R-03	\$291,839.00	\$258,859.00		\$182,979.90	
State and Local Taxes	\$15,799.00	\$15,799.00	Based on 6.5% of estimated cost	N/A	N/A
Pattern scatter analysis for side mount high /med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$21,900.00	N/A	\$16,753.50	N/A



Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	\$13,900.00	\$15,960.00	Per current quote	\$12,209.40	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A
UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized	\$227,000.00	\$193,800.00	N/A	\$148,257.00	N/A
<b>Primary Antenna TFU-27JTH /VP-R04</b>	<b>\$511,706.00</b>	<b>\$473,836.00</b>		<b>\$332,105.94</b>	
Top Plate Adaptor	<b>\$24,400.00</b>	\$24,400.00	N/A	\$18,666.00	N/A
Support pole	<b>\$145,883.00</b>	\$145,883.00	Necessary to maintain antenna center of radiation per license application	\$104,297.04	N/A
State and Local Taxes	<b>\$31,293.00</b>	\$31,293.00	6.5% State sales tax	\$0.00	N/A

Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	\$13,900.00	\$19,080.00	Per current quote	\$14,596.20	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$5,760.00	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$246,780.00	N/A	\$188,786.70	N/A
<b>Sub-total</b>	\$803,545.00	\$732,695.00	N/A	\$515,085.84	N/A
<b>Total for all systems</b>	\$5,187,670.35	\$4,929,412.35	N/A	\$3,598,965.49	N/A

## Components

Actual Information	
Description	File Name
State and Local Taxes	Information not provided.
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.

Side mount brackets for high power antennas (if not included in antenna base cost)	<div> <b>Component Description:</b> Line 32 45%  before shipping </div> <div> <b>Amount:</b> \$8,376.75 </div>
	<div> <b>Component Description:</b> Line #32 invoice,  45% due with  order </div> <div> <b>Amount:</b> \$8,376.75 </div>
Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	<div> <b>Component Description:</b> Line 33 45%  before shipping </div> <div> <b>Amount:</b> \$6,104.70 </div>
	<div> <b>Component Description:</b> Line # 33 45%  with order </div> <div> <b>Amount:</b> \$6,104.70 </div>
Sweep test of existing antenna	<div> <b>Component Description:</b> Line #55 45%  before shipping </div> <div> <b>Amount:</b> \$2,880.00 </div>
	<div> <b>Component Description:</b> Line # 55 45%  with order </div> <div> <b>Amount:</b> \$2,880.00 </div>

UHF - Lower Power Side Mount, One station antenna -- 200-500 kW, elliptically or circularly polarized	<div> <b>Component Description:</b> Invoice Horizontal costs only 2nd invoice line 30, 45% prior to shipping</div> <div> <b>Amount:</b> \$74,128.50 </div>
	<div> <b>Component Description:</b> Invoice interim antenna Horizontal Only Cost Line #30, 45% with order</div> <div> <b>Amount:</b> \$74,128.50 </div>
Top Plate Adaptor	<div> <b>Component Description:</b> Line #57 45% before shipping</div> <div> <b>Amount:</b> \$9,333.00 </div>
	<div> <b>Component Description:</b> Line # 57 45% with order</div> <div> <b>Amount:</b> \$9,333.00 </div>
Support pole	<div> <b>Component Description:</b> Line #58 45% before shipping</div> <div> <b>Amount:</b> \$52,148.52 </div>
	<div> <b>Component Description:</b> Line # 58, 45% with order</div> <div> <b>Amount:</b> \$52,148.52 </div>
State and Local Taxes	Information not provided.

<p>Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)</p>	<table> <tr> <td data-bbox="726 174 1029 208"><b>Component Description:</b></td><td data-bbox="1166 174 1353 241">Line # 4 45% prior to shipping</td></tr> <tr> <td data-bbox="726 255 831 288"><b>Amount:</b></td><td data-bbox="1166 255 1283 288">\$7,298.10</td></tr> <tr> <td data-bbox="726 394 1029 427"><b>Component Description:</b></td><td data-bbox="1166 394 1326 461">Line # 4, 45% with order</td></tr> <tr> <td data-bbox="726 474 831 508"><b>Amount:</b></td><td data-bbox="1166 474 1283 508">\$7,298.10</td></tr> </table>	<b>Component Description:</b>	Line # 4 45% prior to shipping	<b>Amount:</b>	\$7,298.10	<b>Component Description:</b>	Line # 4, 45% with order	<b>Amount:</b>	\$7,298.10
<b>Component Description:</b>	Line # 4 45% prior to shipping								
<b>Amount:</b>	\$7,298.10								
<b>Component Description:</b>	Line # 4, 45% with order								
<b>Amount:</b>	\$7,298.10								
<p>Sweep test of existing antenna</p>	<table> <tr> <td data-bbox="726 645 1029 678"><b>Component Description:</b></td><td data-bbox="1166 645 1347 712">Line # 29 45% before shipping</td></tr> <tr> <td data-bbox="726 725 831 759"><b>Amount:</b></td><td data-bbox="1166 725 1283 759">\$2,880.00</td></tr> <tr> <td data-bbox="726 864 1029 898"><b>Component Description:</b></td><td data-bbox="1166 864 1342 931">Line # 29, 45% with order</td></tr> <tr> <td data-bbox="726 945 831 978"><b>Amount:</b></td><td data-bbox="1166 945 1283 978">\$2,880.00</td></tr> </table>	<b>Component Description:</b>	Line # 29 45% before shipping	<b>Amount:</b>	\$2,880.00	<b>Component Description:</b>	Line # 29, 45% with order	<b>Amount:</b>	\$2,880.00
<b>Component Description:</b>	Line # 29 45% before shipping								
<b>Amount:</b>	\$2,880.00								
<b>Component Description:</b>	Line # 29, 45% with order								
<b>Amount:</b>	\$2,880.00								
<p>UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized</p>	<table> <tr> <td data-bbox="726 1115 1029 1149"><b>Component Description:</b></td><td data-bbox="1166 1115 1353 1305">Line #1 Horizontal component of antenna 45% prior to shipping</td></tr> <tr> <td data-bbox="726 1319 831 1352"><b>Amount:</b></td><td data-bbox="1166 1319 1299 1352">\$94,393.35</td></tr> <tr> <td data-bbox="726 1458 1029 1491"><b>Component Description:</b></td><td data-bbox="1166 1458 1326 1648">Line # 1 Horizontal component of antenna. Due upon ordering</td></tr> <tr> <td data-bbox="726 1662 831 1695"><b>Amount:</b></td><td data-bbox="1166 1662 1299 1695">\$94,393.35</td></tr> </table>	<b>Component Description:</b>	Line #1 Horizontal component of antenna 45% prior to shipping	<b>Amount:</b>	\$94,393.35	<b>Component Description:</b>	Line # 1 Horizontal component of antenna. Due upon ordering	<b>Amount:</b>	\$94,393.35
<b>Component Description:</b>	Line #1 Horizontal component of antenna 45% prior to shipping								
<b>Amount:</b>	\$94,393.35								
<b>Component Description:</b>	Line # 1 Horizontal component of antenna. Due upon ordering								
<b>Amount:</b>	\$94,393.35								

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	\$341,832.00	\$305,271.00		\$219,278.84	
State and Local Taxes	<i>\$18,632.00</i>	\$18,632.00	6.5% of estimated cost	\$0.00	N/A
Rigid Transmission Line - copper, 6 1/8"	\$323,200.00	\$286,639.00	N/A	\$219,278.84	N/A
Primary Transmission Line	\$667,064.00	\$476,197.00		\$342,056.74	
State and Local Taxes	<i>\$29,064.00</i>	\$29,064.00	6.5% of estimated cost	N/A	N/A
Rigid Transmission Line - copper, 7 3/16"	\$638,000.00	\$447,133.00	N/A	\$342,056.74	N/A
Sub-total	\$1,008,896.00	\$781,468.00	N/A	\$561,335.58	N/A
Total for all systems	\$5,187,670.35	\$4,929,412.35	N/A	\$3,598,965.49	N/A

Components

Actual Information	
Description	File Name
State and Local Taxes	Information not provided.

Rigid Transmission Line - copper, 6 1/8"	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Line # 34 and line #38, 45% with order \$109,639.42 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Line #34 and #38, 45% prior to shipping \$109,639.42 </div> </div>
State and Local Taxes	Information not provided.
Rigid Transmission Line - copper, 7 3/16"	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Line # 5 and #9, 45% with order \$171,028.37 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Line # 5 and #9 45% prior to shipping \$171,028.37 </div> </div>

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	\$472,126.00	\$631,226.00		\$477,741.05	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$580,700.00	Stacked top mount and interim side mount, plus removal of old run \$358,400 + \$151300 + \$71000. This is a stack at 2000', very difficult and dangerous work.	\$473,779.25	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	\$3,000.00	N/A
State and Local Taxes	\$38,526.00	\$38,526.00	6.5% of estimated cost	\$961.80	N/A
Sub-total	\$472,126.00	\$631,226.00	N/A	\$477,741.05	N/A
Total for all systems	\$5,187,670.35	\$4,929,412.35	N/A	\$3,598,965.49	N/A

Components



Actual Information	
Description	File Name
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<b>Component Description:</b> Line # 1 & 2 <b>Amount:</b> \$164,513.25
	<b>Component Description:</b> 2nd invoice National tower quote #1980 <b>Amount:</b> \$97,628.75
	<b>Component Description:</b> Line 1 & 2 Labor 45% prior to arrival <b>Amount:</b> \$164,513.25
	<b>Component Description:</b> Invoice on quote 1980, work completed to date <b>Amount:</b> \$47,124.00
Structural engineering tower load study for well documented tower	<b>Component Description:</b> 50% down at the initial payment for structural analysis proposal/quote P18_3650_001 <b>Amount:</b> \$3,000.00
State and Local Taxes	<b>Component Description:</b> Taxes for completed work on quote 1980 <b>Amount:</b> \$961.80

## 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>\$148,065.00</b>	<b>\$140,750.00</b>		<b>\$0.00</b>	
Additional Field Engineering Service, 2 Days	<i>\$10,000.00</i>	\$10,000.00	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
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	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

<b>Sub-total</b>	\$148,065.00	\$140,750.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$5,187,670.35	\$4,929,412.35	N/A	\$3,598,965.49	N/A

## Components

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
<b>Other Expenses</b>	<b>\$208,124.35</b>	<b>\$207,559.35</b>		<b>\$91,167.02</b>	
State and Local Taxes	<i>\$12,668.00</i>	\$12,668.00	6.5% of estimated cost	\$2,652.92	N/A
Modify Recieve antenna	<i>\$5,027.35</i>	\$5,027.35	Allows cable head ends to continue to receive translators.	N/A	N/A
Employee time	<i>\$20,000.00</i>	\$20,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	<i>\$3,000.00</i>	\$3,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$45,000.00</i>	\$45,000.00	N/A	N/A	N/A
Equipment Storage	<i>\$12,000.00</i>	\$12,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$78,349.00</i>	\$78,349.00	Est. Comark + Dielectric 25349 +53000	\$70,514.10	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	<b>\$20,000.00</b>	\$20,000.00	Equipment removal without salvage value	\$18,000.00	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
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
<b>Sub-total</b>	\$208,124.35	\$207,559.35	N/A	\$91,167.02	N/A
<b>Total for all systems</b>	\$5,187,670.35	\$4,929,412.35	N/A	\$3,598,965.49	N/A

## Components

**Actual Information**  
**Description**

**File Name**

State and Local Taxes	<b>Component Description:</b> State taxes on disposal of primary and aux transmitters 60% <b>Amount:</b> \$780.00
	<b>Component Description:</b> State taxes on delivery and handling of primary and aux transmitters <b>Amount:</b> \$988.61
	<b>Component Description:</b> State taxes on disposal costs of Primary & Auxillary Transmitters 30% <b>Amount:</b> \$390.00
	<b>Component Description:</b> State taxes on Delivery & Handling of Primary & Auxillary Transmitters 30% <b>Amount:</b> \$494.31
Modify Recieve antenna	Information not provided.
Employee time	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	<div> <b>Component Description:</b> Line # 28 &amp; Line 54 45% due prior to shipping         </div> <div> <b>Amount:</b> \$23,850.00         </div>
	<div> <b>Component Description:</b> Line #'s 28 &amp; 54, 45% with order         </div> <div> <b>Amount:</b> \$23,850.00         </div>
	<div> <b>Component Description:</b> Delivery and Handling of primary and aux transmitter 60%         </div> <div> <b>Amount:</b> \$15,209.40         </div>
	<div> <b>Component Description:</b> Delivery &amp; Handling of Primary &amp; Auxillary transmitters 30% down         </div> <div> <b>Amount:</b> \$7,604.70         </div>
Disposal Costs (for equipment and other waste, net of any salvage value)	<div> <b>Component Description:</b> Disposal costs of Primary &amp; Auxillary transmitters 30% down         </div> <div> <b>Amount:</b> \$6,000.00         </div>
	<div> <b>Component Description:</b> Disposal costs Primary and Aux Transmitters         </div> <div> <b>Amount:</b> \$12,000.00         </div>
FCC Filing Fees - Special Temporary Authorization request	Information not provided.



FCC Filing Fees - Form 2100 license to cover application	Information not provided.
DTV Medical Facility Notification	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>	\$5,187,670.35	\$4,929,412.35
			\$3,598,965.49

<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.

<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><b>Kathy Lau</b> COO  08/21/2018</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"> <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>Kathy Lau</b> COO</p> <p>08/21/2018</p>

## Attachments