



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **35525** | Service: **DTV** | Call **KQDS-TV** | Channel: **18 (UHF)** |
ID: | Sign:
File **0000027522**
Number:
FRN: **0034576454** | Date **06/26**
Submitted: **/2018**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
KQDS ACQUISITION CORP. Doing Business As: KQDS ACQUISITION CORP.	Kathy Lau P. O. BOX 9115 FARGO, ND 58106 United States	+1 (701) 277-1515	KLAU@KVRR. COM	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
The Preparer is same as the reimbursement contact.			

Broadcaster Information and Transition Plan

Question	Response
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Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	1. Design, engineer and plan. 2. Install interim transmitter and antenna. 3. Decommission existing transmitter and associated appurtenances operating on channel 17. 4. Build new transmitter and associated appurtenances operating on channel 18.

Transmitters

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

**Primary
Transmitter**

Add Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	DCX Millennium
	Year	2006
	Type	Inductive Output Tube
	IOT Power Type	Three
	Power Capacity	76.1 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	HPTV-PARLX-U48
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	76.1 kW
	Justification for New Transmitter	Comark has sent notification that the DCX series has reached end of life status. See attachment "Comark EOL" for details The cost to purchase a solid state transmitter is lower than the cost to replace with IOT. See attachment "Comark IOT Quote"

**Primary
Transmitter****Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	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
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

**Primary
Transmitter****Other Transmitter Cost Not Listed**

Name	Description
State and Local Taxes	MN State and Local Sales Taxes

Site Visit

Layout and design of installation includes sweep of old feedline

**Interim
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	HPTV- PRLX-U12
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	25 kW
	Justification for New Transmitter	This will minimize service interruption and keep us on the air while the main transmitter is built on the new channel.

**Interim
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	Yes
	Size	2 inches

	Length	50.0 feet
	Other Electrical Service	Yes
	Description	Install AC mains feed to the interim transmitter.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Heating and Cooling
	Size	10 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	Yes

Interim Transmitter **Other Transmitter Cost Not Listed**

Name		Description
State and Local Taxes		MN State and City Sales Taxes

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?	No
	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	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- 20GTH-R 04
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?	Yes
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)	1000.0 kW
	Manufacturer	

Model	TFU-28GTH O4A
Year	2018
Justification for New Antenna	Current antenna is single channel operation on channel 17. We will require an antenna capable of transmitting on channel 18.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	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
Elbow Complex	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
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No

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

**Primary
Antenna**

Other Antenna Cost Not Listed

Name	Description
Top Plate Adapter	Top Plate Adapter to match tower top and antenna bolt pattern.
State and Local Taxes	State and local sales tax, est. 8.375%
Support pole	to maintain current center of radiation

**Interim
Antenna**

New Antenna Costs

Section	Question	Response
New Antenna Description	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
New Antenna Manufacturer and Type	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)	612.3 kW
	Manufacturer	
	Model	TFU- 22JSC/ VP- R C170

Year	2017
Justification for New Antenna	This will minimize service interruption and keep us on the air while the main transmitter is built on the new channel.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Interim Antenna

Other Antenna Cost Not Listed

Name	Description
State and Local Taxes	State sales tax, local sales tax. Estimate 8.375%

Transmission Line

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

Primary
Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Type	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	900 feet per run

Primary
Transmission Line

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	40 feet per run
	Justification for New Transmission Line	Change in line run

Primary
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Changes to Transmission line run	Addition parts for changes to line runs
State and Local Taxes	state and local sales taxes

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	Rigid
	Diameter	6 1/8 inches
	Segment Length	19 ½ '
	Other Segment Length	
	Number of parallel runs	1
	Length	800 feet per run
	Justification for New Transmission Line	This will minimize service interruption and keep us on the air while the main transmitter is built on the new channel.

Interim
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
State and Local Taxes	State and local sales tax, est. 8.375%
Dehydrator and RF scout	Keeps line pressure and measures RF levels

**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**

Add 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?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	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?	No
	ASR Number	
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	46° 47' 37.0" N-
	Longitude (NAD83)	092° 07' 04.0" W-
	Overall Structure Height	789.03 feet
	Support Structure Height	693.56 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1236.86 feet

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	KODS ACQUISITION CORP.
	Date Constructed	11/09/1999

**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
65660	KQDS-FM	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	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 taxes, est. 8.75%

**Outside
Professional**

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	No
	Number of Hours	N/A
	Explanation	N/A
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes

	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	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
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	Yes
	Number of Days	2
	Justification	Sweep Line and confirm re-usability of any existing components.

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

Services not provided.

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	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
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	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
Employee Time	Recover salary expenses for time spent on repack project.
Modify Receive Antenna at Translator Site	To increase signal strength received at the remote headend sites, due to low power /interim operation during the transition.
State And Local Taxes	State and local Sales Tax @ 8.375%

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
Interim Transmitter HPTV-PRLX-U12	\$1,218,805.00	\$817,355.00		\$693,081.63	
Other Electrical Service: Install AC mains feed to the interim transmitter.	<i>\$13,600.00</i>	\$13,600.00	See attachment titled "Electrical Quote KQDS-TV Repack".	\$6,800.00	N/A
State and Local Taxes	<i>\$70,505.00</i>	\$70,505.00	N/A	\$52,385.63	N/A
UHF inside RF system including switching	\$147,500.00	\$140,000.00	N/A	\$126,000.00	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$1,300.00	\$1,250.00	N/A	\$625.00	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$555,000.00	N/A	\$499,500.00	N/A
10 Ton system	\$38,900.00	\$37,000.00	N/A	\$7,771.00	N/A

Primary Transmitter HPTV-PARLX-U48	\$2,153,765.00	\$2,150,865.00		\$1,870,986.00	
Site Visit	\$16,400.00	\$16,400.00	Determine placement, design and installation plan Sweep existing line	\$16,400.00	N/A
State and Local Taxes	\$178,965.00	\$178,965.00	N/A	\$144,586.00	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
UHF - Liquid Cooled Solid State Transmitter 76.1 kW	\$1,900,000.00	\$1,900,000.00	N/A	\$1,710,000.00	30% Down
Sub-total	\$3,372,570.00	\$2,968,220.00	N/A	\$2,564,067.63	N/A
Total for all systems	\$5,241,382.65	\$4,794,016.60	N/A	\$3,192,781.05	N/A

Components

Actual Information

Description	File Name
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<p>Other Electrical Service: Install AC mains feed to the interim transmitter.</p>	<table> <tr> <td data-bbox="713 174 1023 210">Component Description:</td><td data-bbox="1155 174 1366 322">50% down payment for electrical work on interim transmitter</td></tr> <tr> <td data-bbox="713 338 823 367">Amount:</td><td data-bbox="1155 338 1273 367">\$6,800.00</td></tr> </table>	Component Description:	50% down payment for electrical work on interim transmitter	Amount:	\$6,800.00												
Component Description:	50% down payment for electrical work on interim transmitter																
Amount:	\$6,800.00																
<p>State and Local Taxes</p>	<table> <tr> <td data-bbox="713 508 1023 544">Component Description:</td><td data-bbox="1155 508 1366 618">State taxes for down payment of interim transmitter</td></tr> <tr> <td data-bbox="713 629 823 658">Amount:</td><td data-bbox="1155 629 1286 658">\$13,944.38</td></tr> <tr> <td data-bbox="713 768 1023 804">Component Description:</td><td data-bbox="1155 768 1374 878">State tax on 60% of the quote for the interim transmitter</td></tr> <tr> <td data-bbox="713 889 823 918">Amount:</td><td data-bbox="1155 889 1286 918">\$27,888.75</td></tr> <tr> <td data-bbox="713 1028 1023 1064">Component Description:</td><td data-bbox="1155 1028 1378 1137">State tax on 60% of quote for UHF inside plant system</td></tr> <tr> <td data-bbox="713 1149 823 1178">Amount:</td><td data-bbox="1155 1149 1273 1178">\$7,035.00</td></tr> <tr> <td data-bbox="713 1288 1023 1323">Component Description:</td><td data-bbox="1155 1288 1366 1397">State taxes for interim transmitter inside RF system</td></tr> <tr> <td data-bbox="713 1408 823 1438">Amount:</td><td data-bbox="1155 1408 1273 1438">\$3,517.50</td></tr> </table>	Component Description:	State taxes for down payment of interim transmitter	Amount:	\$13,944.38	Component Description:	State tax on 60% of the quote for the interim transmitter	Amount:	\$27,888.75	Component Description:	State tax on 60% of quote for UHF inside plant system	Amount:	\$7,035.00	Component Description:	State taxes for interim transmitter inside RF system	Amount:	\$3,517.50
Component Description:	State taxes for down payment of interim transmitter																
Amount:	\$13,944.38																
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Component Description:	State tax on 60% of quote for UHF inside plant system																
Amount:	\$7,035.00																
Component Description:	State taxes for interim transmitter inside RF system																
Amount:	\$3,517.50																
<p>UHF inside RF system including switching</p>	<table> <tr> <td data-bbox="713 1576 1023 1612">Component Description:</td><td data-bbox="1155 1576 1362 1686">60% of Comark quote due prior to shipping</td></tr> <tr> <td data-bbox="713 1697 823 1727">Amount:</td><td data-bbox="1155 1697 1286 1727">\$84,000.00</td></tr> <tr> <td data-bbox="713 1836 1023 1872">Component Description:</td><td data-bbox="1155 1836 1366 1946">30% down of interim transmitter inside RF system</td></tr> <tr> <td data-bbox="713 1957 823 1986">Amount:</td><td data-bbox="1155 1957 1286 1986">\$42,000.00</td></tr> </table>	Component Description:	60% of Comark quote due prior to shipping	Amount:	\$84,000.00	Component Description:	30% down of interim transmitter inside RF system	Amount:	\$42,000.00								
Component Description:	60% of Comark quote due prior to shipping																
Amount:	\$84,000.00																
Component Description:	30% down of interim transmitter inside RF system																
Amount:	\$42,000.00																

2" Rigid Conduit and Wiring (Cost per foot)	<div> Component Description: 50% down for the electrical work on the interim transmitter </div> <div> Amount: \$625.00 </div>
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	<div> Component Description: 30% down payment of Interim transmitter </div> <div> Amount: \$166,500.00 </div> <div> Component Description: 60% of quote due prior to shipping interim transmitter </div> <div> Amount: \$333,000.00 </div>
10 Ton system	<div> Component Description: 50% of the Quote for A/C Gartner Refrigeration </div> <div> Amount: \$4,771.00 </div> <div> Component Description: Invoice for work to roll back ice screen during A/C install </div> <div> Amount: \$3,000.00 </div>
Site Visit	<div> Component Description: Site Survey </div> <div> Amount: \$16,400.00 </div>

State and Local Taxes	Component Description: State Tax	
	Amount: \$1,373.50	
	Component Description: State tax on 60% of quote for Primary Transmitter	
	Amount: \$95,475.00	
	Component Description: State tax for down payment of primary transmitter	
	Amount: \$47,737.50	
4" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Switchgear - industrial 800 amp	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 76.1 kW	Component Description: Primary Transmitter	
	Amount: \$570,000.00	
	Component Description: 60% of quote due prior to shipping Primary Transmitter	
	Amount: \$1,140,000.00	

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-22JSC/ VP-R C170	\$235,324.00	\$231,725.00		\$94,090.95	
State and Local Taxes	\$22,634.00	\$22,634.00	8.375% of estimated costs	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$18,615.00	N/A	\$8,376.75	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$13,566.00	Per quote	\$6,104.70	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$2,880.00	N/A

UHF - High Power, Side Mount, basic slot antenna, 612 kW input, directional,, elliptically or circularly polarized	\$170,510.00	\$170,510.00	N/A	\$76,729.50	N/A
Primary Antenna TFU-28GTH O4A	\$438,460.90	\$378,459.90		\$159,587.95	
Support pole	\$83,770.90	\$83,770.90	N/A	\$37,696.90	N/A
Top Plate Adapter	\$20,740.00	\$20,740.00	Unable to re-use the existing antenna adapter plate to mount the new antenna.	\$9,333.00	N/A
Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	\$13,900.00	\$15,878.00	Per Quote	\$7,145.10	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$2,880.00	N/A

UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$227,851.00	Horizontal component only, V pol invoiced directly to KQDS	\$102,532.95	N/A
State and Local Taxes	\$23,820.00	\$23,820.00	8.375% of estimated costs	N/A	N/A
Sub-total	\$673,784.90	\$610,184.90	N/A	\$253,678.90	N/A
Total for all systems	\$5,241,382.65	\$4,794,016.60	N/A	\$3,192,781.05	N/A

Components

Actual Information	
Description	File Name
State and Local Taxes	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	Component Description: 45% of quote line 22 due upon order Amount: \$8,376.75
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description: 45% of Quote line 23 Amount: \$6,104.70
Sweep test of existing antenna	Component Description: 45% of quote line 45 due upon order Amount: \$2,880.00

UHF - High Power, Side Mount, basic slot antenna, 612 kW input, directional,, elliptically or circularly polarized	Component Description: Amount:	45% down with order interim antenna line 20 of Invoice \$76,729.50
Support pole	Component Description: Amount:	45% per quote line 4 due upon order \$37,696.90
Top Plate Adapter	Component Description: Amount:	45% quote line 3 due upon order \$9,333.00
Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	Component Description: Amount:	45% quote line 5 due upon order \$7,145.10
Sweep test of existing antenna	Component Description: Amount:	45% of quote line 45 due upon order \$2,880.00
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	Component Description: Amount:	45% of quote line 1 due upon order \$102,532.95
State and Local Taxes	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	\$195,400.35	\$176,784.80		\$73,584.59	
Dehydrator and RF scout	\$19,712.35	\$19,712.35	N/A	\$9,241.59	N/A
State and Local Taxes	\$14,088.00	\$14,088.00	8.375% total estimate	N/A	N/A
Rigid Transmission Line - copper, 6 1/8"	\$161,600.00	\$142,984.45	per quote	\$64,343.00	N/A
Primary Transmission Line	\$22,618.40	\$19,442.90		\$7,510.01	
Rigid Transmission Line - copper, 6 1/8"	\$8,080.00	\$4,904.50	N/A	\$2,207.02	N/A
Changes to Transmission line run	\$11,784.40	\$11,784.40	N/A	\$5,302.99	N/A
State and Local Taxes	\$2,754.00	\$2,754.00	N/A	N/A	N/A
Sub-total	\$218,018.75	\$196,227.70	N/A	\$81,094.60	N/A
Total for all systems	\$5,241,382.65	\$4,794,016.60	N/A	\$3,192,781.05	N/A

Components

Actual Information Description	File Name
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Dehydrator and RF scout	Component Description: 45% of quote lines 13-16, 49 Amount: \$9,241.59
State and Local Taxes	Information not provided.
Rigid Transmission Line - copper, 6 1/8"	Component Description: 45% of quote, lines 24 & 28 due upon order Amount: \$64,343.00
Rigid Transmission Line - copper, 6 1/8"	Component Description: 45% quote line 7 due upon order Amount: \$2,207.02
Changes to Transmission line run	Component Description: 45% of Quote, lines 6, 8-11 due upon order Amount: \$5,302.99
State and Local Taxes	Information not provided.

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	\$628,315.00	\$677,415.00		\$213,439.00	
Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	N/A	N/A
State and Local Taxes	\$36,715.00	\$36,715.00	8.375% of quote cost	N/A	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$487,200.00	Tower reinforcement, stacked antenna and Interim side mount plus removal of existing stack, multiple crews and companies will be doing this work, tower had to be reinforced with cross bracing and top guys replaced with bridge strand.	\$209,939.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$3,500.00	N/A	\$3,500.00	N/A
Sub-total	\$628,315.00	\$677,415.00	N/A	\$213,439.00	N/A

Total for all systems	\$5,241,382.65	\$4,794,016.60	N/A	\$3,192,781.05	N/A
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Components

Actual Information																	
Description	File Name																
Minor tower reinforcement /modifications	Information not provided.																
State and Local Taxes	Information not provided.																
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<table> <tr> <td>Component Description:</td><td>Cross Braces for tower reinforcement for Rev G compliance per proposal 19598</td></tr> <tr> <td>Amount:</td><td>\$13,835.00</td></tr> <tr> <td>Component Description:</td><td>50% down on installation of tower support cross bracing per proposal</td></tr> <tr> <td>Amount:</td><td>\$6,250.00</td></tr> <tr> <td>Component Description:</td><td>50% of Quote 03081802 for removal of tower attachments</td></tr> <tr> <td>Amount:</td><td>\$3,500.00</td></tr> <tr> <td>Component Description:</td><td>45% of quote lines 1-3 due upon order</td></tr> <tr> <td>Amount:</td><td>\$186,354.00</td></tr> </table>	Component Description:	Cross Braces for tower reinforcement for Rev G compliance per proposal 19598	Amount:	\$13,835.00	Component Description:	50% down on installation of tower support cross bracing per proposal	Amount:	\$6,250.00	Component Description:	50% of Quote 03081802 for removal of tower attachments	Amount:	\$3,500.00	Component Description:	45% of quote lines 1-3 due upon order	Amount:	\$186,354.00
Component Description:	Cross Braces for tower reinforcement for Rev G compliance per proposal 19598																
Amount:	\$13,835.00																
Component Description:	50% down on installation of tower support cross bracing per proposal																
Amount:	\$6,250.00																
Component Description:	50% of Quote 03081802 for removal of tower attachments																
Amount:	\$3,500.00																
Component Description:	45% of quote lines 1-3 due upon order																
Amount:	\$186,354.00																

Structural engineering tower load study for well documented tower	Component Description: Amount:	Invoice for quote 19583 for Structural analysis \$3,500.00
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Cost
Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$123,910.00	\$117,750.00		\$0.00	
Additional Field Engineering Service, 2 Days	<i>\$9,000.00</i>	\$9,000.00	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 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
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	N/A	N/A
Sub-total	\$123,910.00	\$117,750.00	N/A	\$0.00	N/A
Total for all systems	\$5,241,382.65	\$4,794,016.60	N/A	\$3,192,781.05	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
Other Expenses	\$224,784.00	\$224,219.00		\$80,500.92	
Equipment Delivery and Handling Charges	<i>\$90,672.00</i>	\$90,672.00	per Comark and Dielectric quotes	\$58,153.90	N/A
State And Local Taxes	<i>\$17,327.00</i>	\$17,327.00	per current quotes and estimates	\$4,347.02	N/A
Modify Receive Antenna at Translator Site	<i>\$5,000.00</i>	\$5,000.00	N/A	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>\$44,705.00</i>	\$44,705.00	See attached advertising schedule titled "KQDS Channel Reassignment Notification".	\$0.00	N/A
Equipment Storage	<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	\$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
Sub-total	\$224,784.00	\$224,219.00	N/A	\$80,500.92	N/A
Total for all systems	\$5,241,382.65	\$4,794,016.60	N/A	\$3,192,781.05	N/A

Components

Actual Information	
Description	File Name

Equipment Delivery and
Handling Charges

Component Description: Equipment rental
for off loading
shipment
Amount: \$399.10

Component Description: 45% of quote line
18 due upon order
Amount: \$11,925.00

Component Description: 45% of quote line
44 due upon order
Amount: \$11,925.00

Component Description: 30% down of
delivery of
primary, interim, &
interim RF system
transmitters
Amount: \$11,301.60

Component Description: 60% of quote due
prior to shipping
Amount: \$22,603.20

State And Local Taxes	Component Description: State tax on 60% of quote for disposal costs Amount: \$1,005.00
	Component Description: State Tax for 60% of quote for shipping and handling Amount: \$1,893.02
	Component Description: State taxes for 30% down of disposal costs of transmitters- primary, interim & interim RF Amount: \$502.50
	Component Description: State tax of 30% down for delivery & handling of transmitters- primary, interim, & interim RF Amount: \$946.50
Modify Receive Antenna at Translator Site	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.

<p>Disposal Costs (for equipment and other waste, net of any salvage value)</p>	<table> <tr> <td data-bbox="722 174 1029 208">Component Description:</td><td data-bbox="1161 174 1369 248">60% of quote due prior to shipping</td></tr> <tr> <td data-bbox="722 257 831 291">Amount:</td><td data-bbox="1161 257 1294 291">\$12,000.00</td></tr> <tr> <td data-bbox="722 396 1029 430">Component Description:</td><td data-bbox="1161 396 1337 470">30% down of Disposal Costs</td></tr> <tr> <td data-bbox="722 479 831 512">Amount:</td><td data-bbox="1161 479 1278 512">\$6,000.00</td></tr> </table>	Component Description:	60% of quote due prior to shipping	Amount:	\$12,000.00	Component Description:	30% down of Disposal Costs	Amount:	\$6,000.00
Component Description:	60% of quote due prior to shipping								
Amount:	\$12,000.00								
Component Description:	30% down of Disposal Costs								
Amount:	\$6,000.00								
<p>FCC Filing Fees - Special Temporary Authorization request</p>	<p>Information not provided.</p>								
<p>FCC Filing Fees - Form 2100 license to cover application</p>	<p>Information not provided.</p>								
<p>DTV Medical Facility Notification</p>	<p>Information not provided.</p>								

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$5,241,382.65	\$4,794,016.60	\$3,192,781.05

Reimbursement Status	Question	Response
	The facility has ceased operating on its pre-auction channel.	No
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

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

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

<p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Kathy Lau COO 06/26/2018</p>

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

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

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Kathy Lau COO</p> <p>06/26/2018</p>

Attachments