



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **54420** | Service: **DTV** | Call **KMYT-TV** | Channel: **34 (UHF)** |
ID: | Sign:
File **0000027940**
Number:
FRN: **0032111452** | Date **02/12**
Submitted: **/2018**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
COX TELEVISION TULSA, LLC Doing Business As: COX TELEVISION TULSA, LLC	Chief Engineer 2625 SOUTH MEMORIAL DRIVE TULSA, OK 74129 United States	+1 (918) 491-0023	Jeff. Stuart@coxinc. 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
Jeff Stuart <i>Chief Engineer</i> <i>Cox Television Tulsa, LLC</i>	Chief Engineer 2625 South Memorial Drive Tulsa, OK 74129 United States	+1 (918) 491-0023	Jeff.Stuart@coxinc. 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		KMYT will construct interim facilities on nearby tower. KMYT will move to the interim tower on its current channel. KMYT's new equipment will be installed after serious tower modifications at existing site.

Transmitters

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

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	Sigma CD3200
	Year	2002
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	42 kW

**Primary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-72
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	47.2 kW
	Justification for New Transmitter	Current IOT Transmitter cannot be retuned per manufacturer and solid state transmitter is less than a comparable IOT transmitter.

**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	3 inches

	Length	100.0 feet
	Other Electrical Service	Yes
	Description	Required new 208vac Transformer, Switch and Panel with Breakers
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	10 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter **Other Transmitter Cost Not Listed**

Name	Description
Spare Parts Kit	Current Spare parts kit is not compatible with new transmitter.
Transmitter Disposal	Removal and environmental disposal of existing transmitter coolant and High Voltage Beam Supply oil.
Indoor RF Equipment	New mask filter, reject loads, main load and switch control equipment

**Interim
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-72
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	47.2 kW
	Justification for New Transmitter	Interim transmitter needed for continued viewer service during the repack process.

**Interim
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	150 kVA
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	250.0 feet
	Other Electrical Service	Yes

	Description	208vAC Transformer, Switch and Panel with Breakers for Pumps, Loads, Generator, lighting and UPS.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	20 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	Yes
	Size	1200.0 square feet
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
Transmitter Control	Required Transmitter control, Rack, UPS and remote monitoring system
STL Signal Link	STL/TSL microwave equipment, dish, line and rigging installation costs

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?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	900.0 kW

Manufacturer	
Model	ATW30H5- HSOL-41H
Year	2002

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?	No
	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	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)	770.0 kW
	Manufacturer	

Model	TFU-29JSC-R-04
Year	2018
Justification for New Antenna	Current antenna cannot be retuned on new Repacked channel.

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?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes

Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes
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**Primary
Antenna**

Other Antenna Cost Not Listed

Information not provided.

**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?	No
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	1
	Number of Panels/Bays	3
	Lower Limit	521.00 MHz
	Upper Limit	641.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW
	Manufacturer	
	Model	TFU-24WB- R
	Year	2018

	Justification for New Antenna	Broadband panel antenna required to approximate the current viewer coverage without exceeding licensed contour.
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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?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Interim Antenna

Other Antenna Cost Not Listed

Name	Description
Interim Tower Rigging	Rigging and installation costs for Interim Antenna and Line.

Transmission Line

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

Primary
Transmission Line

Add 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 this transmission currently shared with any other stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	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	1285 feet per run

Primary **New Transmission Line**
Transmission Line **Section**

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	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	1285 feet per run
		Justification for New Transmission Line	Current line will not technically operate within specs at channel 34 per manufacturer.

Primary **Other Transmission Line Expenses Not Listed**
Transmission Line **None** Information not provided.

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	1720 feet per run
	Justification for New Transmission Line	Rigid Coaxial Transmission line for Interim Antenna located at the Interim site.

Interim
Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	Yes
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1048931
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	36° 01' 36.0" N-
	Longitude (NAD83)	095° 40' 45.0" W-
	Overall Structure Height	1268.03 feet
	Support Structure Height	1200.12 feet
	Ground Elevation Above Mean Sea Level (AMSL)	709.97 feet

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	IWG Towers Assets II, LLC
	Date Constructed	03/28/2003

**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
11910	KOKI-TV	DTV

Other Types of Users

Users
Action Radio Co

Primary Tower

Tower Modification Costs

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

**Primary
Tower**

Tower Rigging Costs

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

**Primary
Tower**

Other Tower Expenses Not Listed

Name	Description
Additional Tower Engineering	Additional tower studies and modifications engineering.

**Outside
Professional**

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	160
	Explanation	Manage and coordinate delivery of all equipment at both the Interim Site as well as the Main Site. Confirm all contractors arrival and schedule.
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	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Interim Facility Engineering	Service Fees for engineering, mechanical and utilities design and management.

**Other
Expenses**

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	Yes
	Non-zoning permits	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
Interim Tower and Ground Lease	Interim Tower and Ground Lease will be required by Interim Tower Owner for 5 years minimum.
Interim Tower Mapping and Studies	Tower Mapping and Studies will be needed to be performed on Interim Tower and grounds to determine loading.
Interim Tower Modifications	Modifications will needed on Interim Tower to bring to TIA/ANSI Rev. G standard.

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 ULXTE-72	\$2,571,888.56	\$2,072,939.24		\$389,712.21	
STL Signal Link	<i>\$222,634.64</i>	\$222,634.64	STL/TSL Signal from Studio. Dish, Line, Radios for both ends. Includes Rigging and path alignment. Frequency path analysis and line sweeps.	N/A	N/A
Transmitter Control	<i>\$27,863.90</i>	\$27,863.90	Includes IP router, rack, UPS and control server needed to be in compliance with remote monitoring of transmitters.	N/A	N/A
UHF inside RF system including switching	\$147,500.00	\$79,461.00	Indoor RF equipment and control including dummy load, switch, mask filter and control equipment.	\$35,337.39	N/A

Other Electrical Service: 208vAC Transformer, Switch and Panel with Breakers for Pumps, Loads, Generator, lighting and UPS.	\$272,140.02	\$272,140.02	208vac transformer and TVSS from Gates Air. Interim transmitter panel and breakers. Generator and ATS switch for building including installation.	\$3,378.27	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
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	N/A	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$13,000.00	\$12,250.00	N/A	N/A	N/A
Other -- HVAC Service Type: C Size: 20 (Other)	\$37,600.00	\$37,600.00	2-10 ton Cooling only HVAC units for interim site.	N/A	N/A

Other -- Building Addition Size: 1200.0	\$300,000.00	\$300,000.00	Building constructed at Interim Site. No existing facility available at site. This build includes floor, walls, roof, and ice protection. Outdoor concrete pads for heat exchangers with ice protection.	\$2,100.00	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,046,689.68	N/A	\$348,896.55	N/A
Primary Transmitter ULXTE-72	\$1,750,765.99	\$1,434,058.49		\$456,570.30	
Indoor RF Equipment	\$144,685.80	\$144,685.80	Inside RF System including Mask Filter, dummy load system and control from Gates Air.	\$38,639.16	N/A
Transmitter Disposal	\$1,788.00	\$1,788.00	Environmental disposal of existing Sigma coolant and Beam supply oil. 10 Drums/550 gallons.	N/A	N/A

Spare Parts Kit	\$12,008.57	\$12,008.57	Current Parts kit is not compatible with new transmitter. New kit replaces existing parts kit of PA module, power supply, control boards.	\$4,597.32	N/A
10 Ton system	\$38,900.00	\$37,000.00	N/A	N/A	N/A
Other Electrical Service: Required new 208vac Transformer, Switch and Panel with Breakers	\$36,983.62	\$36,983.62	208VAC Transformer and Surge Suppressor from Gates Air, installation and 208VAC panel board and breakers including associated wiring.	\$3,294.60	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,900.00	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 35 - 50 kW	\$1,473,000.00	\$1,160,392.50	Main transmitter required for operation, Gates Air quote minus the spare parts kit, Indoor RF, and Electrical.	\$410,039.22	N/A
Sub-total	\$4,322,654.55	\$3,506,997.73	N/A	\$846,282.51	N/A

Total for all systems	\$7,948,026.74	\$7,020,532.92	N/A	\$1,351,148.83	N/A
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Components

Actual Information	
Description	File Name
STL Signal Link	Information not provided.
Transmitter Control	Information not provided.
UHF inside RF system including switching	Component Description: 1/3 Down Payment for the portion of invoice pertaining to the category of Indoor RF. See also PO Upload and Call Sign Allocation 01252018.pdf Amount: \$35,337.39
Other Electrical Service: 208vAC Transformer, Switch and Panel with Breakers for Pumps, Loads, Generator, lighting and UPS.	Component Description: Down Payment for the portion of invoice pertaining to the category of Electrical provided by Gates Air. Amount: \$3,378.27
Service entrance 3 phase /800 amp/208 volt	Information not provided.
Switchgear - industrial 800 amp	Information not provided.
Transformer 3 phase/480v - 150 KVA	Information not provided.
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Other -- HVAC Service Type: C Size:20 (Other)	Information not provided.

Other -- Building Addition Size: 1200.0	<table> <tr> <td data-bbox="722 174 1029 208">Component Description:</td><td data-bbox="1161 174 1370 524"> Invoice pertaining to the portion of geotech in the category of Interim Facility. See also PO Upload and Call Sign Allocation 01252018.pdf </td></tr> <tr> <td data-bbox="722 535 831 568">Amount:</td><td data-bbox="1161 535 1281 568">\$2,100.00</td></tr> </table>	Component Description:	Invoice pertaining to the portion of geotech in the category of Interim Facility. See also PO Upload and Call Sign Allocation 01252018.pdf	Amount:	\$2,100.00
Component Description:	Invoice pertaining to the portion of geotech in the category of Interim Facility. See also PO Upload and Call Sign Allocation 01252018.pdf				
Amount:	\$2,100.00				
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	<table> <tr> <td data-bbox="722 705 1029 739">Component Description:</td><td data-bbox="1161 705 1370 1144"> 1/3 Down payment for portion of the invoice pertaining to the category of transmitter, installation and freight. See also PO Upload and Call Sign Allocation 01252018.pdf </td></tr> <tr> <td data-bbox="722 1182 831 1216">Amount:</td><td data-bbox="1161 1182 1310 1216">\$348,896.55</td></tr> </table>	Component Description:	1/3 Down payment for portion of the invoice pertaining to the category of transmitter, installation and freight. See also PO Upload and Call Sign Allocation 01252018.pdf	Amount:	\$348,896.55
Component Description:	1/3 Down payment for portion of the invoice pertaining to the category of transmitter, installation and freight. See also PO Upload and Call Sign Allocation 01252018.pdf				
Amount:	\$348,896.55				

Indoor RF Equipment	Component Description: Down Payment for the portion of invoice pertaining to the category of Indoor RF. See also PO Upload and Call Sign Allocation 02072018.pdf Amount: \$29,272.09 Component Description: Down Payment for the portion of invoice pertaining to the category of Indoor RF. See also PO Upload and Call Sign Allocation 02072018.pdf Amount: \$9,367.07
Transmitter Disposal	Information not provided.

Spare Parts Kit	Component Description: Down Payment for the portion of invoice pertaining to the category of Spare parts provided by Gates Air. See also PO Upload and Call Sign Allocation 02072018.pdf Amount: \$3,482.82 Component Description: Down Payment for the portion of invoice pertaining to the category of Spare parts provided by Gates Air. See also PO Upload and Call Sign Allocation 02072018.pdf Amount: \$1,114.50
10 Ton system	Information not provided.

Other Electrical Service: Required new 208vac Transformer, Switch and Panel with Breakers	<table> <tr> <td data-bbox="722 174 1029 208">Component Description:</td><td data-bbox="1161 174 1380 521">Down Payment for the portion of invoice pertaining to the category of Electrical provided by Gates Air. See also PO Upload and Call Sign Allocation</td></tr> <tr> <td data-bbox="722 577 831 611">Amount:</td><td data-bbox="1161 533 1326 611">02072018.pdf \$2,495.91</td></tr> <tr> <td data-bbox="722 712 1029 745">Component Description:</td><td data-bbox="1161 712 1380 1059">Down Payment for the portion of invoice pertaining to the category of Electrical provided by Gates Air. See also PO Upload and Call Sign Allocation</td></tr> <tr> <td data-bbox="722 1115 831 1149">Amount:</td><td data-bbox="1161 1070 1326 1149">02072018.pdf \$798.69</td></tr> </table>	Component Description:	Down Payment for the portion of invoice pertaining to the category of Electrical provided by Gates Air. See also PO Upload and Call Sign Allocation	Amount:	02072018.pdf \$2,495.91	Component Description:	Down Payment for the portion of invoice pertaining to the category of Electrical provided by Gates Air. See also PO Upload and Call Sign Allocation	Amount:	02072018.pdf \$798.69
Component Description:	Down Payment for the portion of invoice pertaining to the category of Electrical provided by Gates Air. See also PO Upload and Call Sign Allocation								
Amount:	02072018.pdf \$2,495.91								
Component Description:	Down Payment for the portion of invoice pertaining to the category of Electrical provided by Gates Air. See also PO Upload and Call Sign Allocation								
Amount:	02072018.pdf \$798.69								
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.								
Switchgear - industrial 800 amp	Information not provided.								

UHF - Liquid Cooled Solid
State Transmitter 35 - 50 kW

Component Description:

Down payment for
portion of the
invoice pertaining
to the category of
transmitter and
installation and
freight. See also
PO Upload and
Call Sign
Allocation
02072018.pdf

Amount:

\$99,403.45

Component Description:

Down payment for
portion of the
invoice pertaining
to the category of
transmitter and
installation and
freight. See also
PO Upload and
Call Sign
Allocation
02072018.pdf

Amount:

\$310,635.77

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-24WB-R	\$397,890.00	\$395,550.00		\$78,767.10	
Interim Tower Rigging	<i>\$200,000.00</i>	\$200,000.00	Interim Site rigging, installation of antenna and line using Widely Estimate for Tower Rigging.	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	\$2,700.00	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	\$8,364.60	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$0.00	N/A

UHF – Broadband Panel, Side Mount Auxiliary /Interim, 1000 horizontally polarized	\$150,450.00	\$150,450.00	Interim Panel Antenna required to approximate the current viewer coverage without exceeding licensed contour. Vendor Change	\$67,702.50	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$11,700.00	N/A	N/A	N/A
Primary Antenna TFU-29JSC- R-04	\$233,940.00	\$231,500.00		\$87,321.60	
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	\$2,700.00	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	\$9,787.50	N/A

UHF - High Power, Side Mount, basic slot antenna, 770 kW input, horizontally polarized	\$184,900.00	\$184,900.00	Main Antenna replacement, current antenna cannot be retuned. Price includes shipping. Vendor Change	\$70,200.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	\$13,900.00	\$13,200.00	N/A	\$4,634.10	N/A
Sub-total	\$631,830.00	\$627,050.00	N/A	\$166,088.70	N/A
Total for all systems	\$7,948,026.74	\$7,020,532.92	N/A	\$1,351,148.83	N/A

Components

Actual Information	
Description	File Name
Interim Tower Rigging	Information not provided.

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Component Description: Invoice pertaining to the portion of design in the category of Scatter Study. See also PO Upload and Call Sign Allocation 01252018.pdf Amount: \$2,700.00
Side mount brackets for high power antennas (if not included in antenna base cost)	Component Description: Down Payment for the portion of invoice pertaining to the category of side mount bracket. Amount: \$8,364.60
Sweep test of existing antenna	Information not provided.
UHF – Broadband Panel, Side Mount Auxiliary/Interim, 1000 horizontally polarized	Component Description: Down Payment for the portion of invoice pertaining to the category of Interim Antenna. Amount: \$67,702.50
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Component Description: Invoice pertaining to the portion of design in the category of Scatter Study. See also PO Upload and Call Sign Allocation 01252018.pdf Amount: \$2,700.00
Side mount brackets for high power antennas (if not included in antenna base cost)	Component Description: Down Payment for the portion of invoice pertaining to the category of side mount bracket. Amount: \$9,787.50
UHF - High Power, Side Mount, basic slot antenna, 770 kW input, horizontally polarized	Component Description: Down Payment for the portion of invoice pertaining to the category of Primary Antenna. Amount: \$70,200.00
Sweep test of existing antenna	Information not provided.
Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	Component Description: Down Payment for the portion of invoice pertaining to the category of Elbow Complex Amount: \$4,634.10

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	\$347,440.00	\$298,752.00		\$136,212.26	
Rigid Transmission Line - copper, 6 1/8"	\$347,440.00	\$298,752.00	N/A	\$136,212.26	N/A
Primary Transmission Line	\$372,650.00	\$383,346.00		\$92,117.36	
Rigid Transmission Line - copper, 7 3/16"	\$372,650.00	\$383,346.00	Cost includes all hangars, line, pressure windows and required dehydrator. Line design and site evaluation included in cost.	\$92,117.36	N/A
Sub-total	\$720,090.00	\$682,098.00	N/A	\$228,329.62	N/A
Total for all systems	\$7,948,026.74	\$7,020,532.92	N/A	\$1,351,148.83	N/A

Components

Actual Information Description	File Name
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Rigid Transmission Line - copper, 6 1/8"	Component Description: Down Payment for the portion of invoice pertaining to the category of Interim Line. Amount: \$136,212.26
Rigid Transmission Line - copper, 7 3/16"	Component Description: Down Payment for the portion of invoice pertaining to the category of Primary Line. Amount: \$92,117.36

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	\$1,319,324.00	\$1,255,524.00		\$45,960.00	
Additional Tower Engineering	\$30,524.00	\$30,524.00	Additional tower engineering due to serious tower modifications and studies.	\$26,220.00	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$25,000.00	N/A	\$19,740.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	N/A	N/A
Serious tower reinforcement /modifications	\$1,052,000.00	\$1,000,000.00	Serious Tower Modification are required to bring tower to current standards.	N/A	N/A
Sub-total	\$1,319,324.00	\$1,255,524.00	N/A	\$45,960.00	N/A
Total for all systems	\$7,948,026.74	\$7,020,532.92	N/A	\$1,351,148.83	N/A

Components

Actual Information	File Name
Description	
Additional Tower Engineering	Component Description: Invoice pertaining to the category of Tower Mod Studies for difficult Tower. Amount: \$26,220.00
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Component Description: Invoice pertaining to the category of Tower Mapping. See also PO Upload and Call Sign Allocation 01252018.pdf Amount: \$13,440.00 Component Description: Invoice pertaining to the category of Tower Mapping. See also PO Upload and Call Sign Allocation 01252018.pdf Amount: \$6,300.00
Tall Tower (greater than 500')	Information not provided.
Serious tower reinforcement /modifications	Information not provided.

Cost
Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$213,450.00	\$208,750.00		\$40,800.00	
Interim Facility Engineering	<i>\$48,000.00</i>	\$48,000.00	Interim Facility building engineering, mechanical, A/E, and utilities. Civil design and stamped drawing package.	\$40,800.00	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 request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$8,000.00	This is for both the Main Tower Site as well as the Interim Site.	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
Project management of the transition	\$25,280.00	\$24,000.00	N/A	N/A	N/A
Sub-total	\$213,450.00	\$208,750.00	N/A	\$40,800.00	N/A
Total for all systems	\$7,948,026.74	\$7,020,532.92	N/A	\$1,351,148.83	N/A

Components

Actual Information	
Description	File Name
Interim Facility Engineering	Component Description: Invoice pertaining to the portion of design in the category of Interim Facility Engineering. Amount: \$33,600.00 Component Description: Invoice pertaining to the portion of design in the category of Interim Facility Engineering. Amount: \$7,200.00
RF Exposure Measurements	Information not provided.

Comprehensive coverage verification via field study, if needed	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.
Prepare request for Special Temporary Authorization	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
Perform engineering study for new channel assignment and antenna development	Information not provided.
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Prepare and or review reimbursement form	Information not provided.
Project management of the transition	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	\$740,678.19	\$740,113.19		\$23,688.00	
Interim Tower Modifications	<i>\$150,000.00</i>	\$150,000.00	Tower Modifications to bring Interim tower to latest standard before interim antenna and line may be installed. Widelity Estimate for Minor Tower Modifications used.	N/A	N/A
Interim Tower Mapping and Studies	<i>\$31,218.00</i>	\$31,218.00	Interim Tower Mapping, Structural and engineering studies required by tower owner.	\$23,688.00	N/A
Interim Tower and Ground Lease	<i>\$510,000.00</i>	\$510,000.00	Interim site tower and ground lease for \$8,500.00 month for minimum 5 years.	N/A	N/A
MVPD Notification of Channel Change	<i>\$2,500.00</i>	\$2,500.00	Certified letter services and notification for FCC Repack channel change.	N/A	N/A

Develop and air announcement of upcoming channel change	\$2,500.00	\$2,500.00	General Public information and channel change campaign including cost of production.	N/A	N/A
Equipment Storage	\$9,983.56	\$9,983.56	Container purchase and delivery for Main and Interim site requiring storage of equipment during construction and tower modifications.	N/A	N/A
Equipment Delivery and Handling Charges	\$9,896.63	\$9,896.63	Large equipment rental to unload deliveries. Main and Interim Site will be needed.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$4,000.00	\$4,000.00	Cost of antenna and line removal from property for environmental disposal.	N/A	N/A
Local Zoning	\$8,500.00	\$8,500.00	Interim Building Permit and Zoning Permits for Wagoner County, Oklahoma	N/A	N/A

DTV Medical Facility Notification	\$11,550.00	\$11,000.00	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
Sub-total	\$740,678.19	\$740,113.19	N/A	\$23,688.00	N/A
Total for all systems	\$7,948,026.74	\$7,020,532.92	N/A	\$1,351,148.83	N/A

Components

Actual Information	
Description	File Name
Interim Tower Modifications	Information not provided.

Interim Tower Mapping and Studies	Component Description:	Invoice pertaining to the portion of design in the category of Interim Mapping /Study. See also PO Upload and Call Sign Allocation 01252018.pdf
	Amount:	\$6,500.00
	Component Description:	Invoice pertaining to the portion of design in the category of Interim Mapping /Study.
	Amount:	\$10,438.00
	Component Description:	Invoice pertaining to the portion of design in the category of Interim Mapping /Study.
	Amount:	\$6,750.00
Interim Tower and Ground Lease	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.	

Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
Local Zoning	Information not provided.
DTV Medical Facility Notification	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$7,948,026.74	\$7,020,532.92	\$1,351,148.83

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	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.	
		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.

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.	Jeff Stuart <i>Chief Engineer</i> 02/12/2018

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).	
		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.

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.	Jeff Stuart <i>Chief Engineer</i> 02/12/2018

Attachments