



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **25382** | Service: **DTV** | Call **KWTV-DT** | Channel: **25 (UHF)** |
ID:
File **0000028014**
Number:
FRN: **0015452238** | Date **03/11**
Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
GRIFFIN LICENSING, L.L.C.	Trevor Wiseman 7401 N. KELLEY AVENUE OKLAHOMA CITY, OK 73111 United States	+1 (405) 841-9106	trevor.wiseman@griffincommunications.net	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
The Preparer is same as the reimbursement contact.			

**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	Please see the attached Transition Plan Narrative.

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	CDP3200P3
	Year	2005
	Type	Inductive Output Tube
	IOT Power Type	Three
	Power Capacity	66 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-100
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	62.9 kW
	Justification for New Transmitter	Transmitter cannot be retuned to its post-auction channel. Please see attached "GatesAir_Channel_Change_Notice.pdf".

**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	No
	Size	N/A
	Length	N/A
	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

Information not provided.

Antennas

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

Primary Antenna

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW

Manufacturer	
Model	ATW25H3- HTO-39S
Year	2001

Primary
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW
	Manufacturer	

Model	TFU-22GTH /VP-R 06
Year	2018
Justification for New Antenna	Antenna is slotted coaxial and cut to a single channel. As such, it is not retunable.

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	8 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

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?	No
	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	Horizontal
	Type	Broadband Slot
	Number of Stations Supported	2
	Number of Panels/Bays	26
	Lower Limit	527.00 MHz
	Upper Limit	539.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW
	Manufacturer	
	Model	TFU-26DSC /VP-R O4
	Year	2018

	Justification for New Antenna	Interim antenna to operate lower on the tower on the post-auction channel in order to meet the construction deadline.
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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	8 3/16 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

Enter a list of RF channel numbers.

RF Channel Number
25
23

**Interim
Antenna**

Other Antenna Cost Not Listed

Information not provided.

Transmission Line

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

**Primary
Transmission Line**

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	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	8 3/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1860 feet per run

Primary **New Transmission Line**
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	8 3/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1860 feet per run
	Justification for New Transmission Line	Existing rigid line section length of 20 ft. is a prohibited length on the new channel 25.

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

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	8 3/16 inches
	Segment Length	19 ½ '
	Other Segment Length	
	Number of parallel runs	1
	Length	1400 feet per run
	Justification for New Transmission Line	Interim transmission line to connect the transmitter to the interim antenna for the post-auction channel in order to meet the construction deadline.

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?	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	Yes
	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	1045226
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	35° 35' 52.1" N-
	Longitude (NAD83)	097° 29' 23.2" W-
	Overall Structure Height	1646.96 feet
	Support Structure Height	1549.85 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1102.02 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	American Towers, LLC.
Date Constructed	02/01/1999

**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
84225	KOCM	DTV
66222	KFOR-TV	DTV
2566	KOPX-TV	DTV
38214	KSBI	DTV
50182	KAUT-TV	DTV
50205	KETA-TV	DTV

Other Types of Users

Users
KXXY 96.1MHz
KTST 101.9MHz
KJYO 102.7MHz
KBRU 94.7MHz
K213EM 90.5MHz

Primary
Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for tower with candelabra
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
Interim Installation	Install interim antenna and transmission line.

**Outside
Professional
Services
Costs**

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	850
	Explanation	Tower owner will have project manager assigned to coordinate installation. The station has multiple transmitter sites (4TV & 44TV Translators) and operates with minimal staff. It does not have personnel available or trained for any of these tasks/services
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	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2

	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	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	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
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Outside Professional Services Costs **Other Professional Services Expenses Not Listed**
Information 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	Yes
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	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?	No
	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
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AirTech - Existing Cooler Move	Required to move existing transmitter (CH39) Glycol Fluid Cooler to make room for the new (CH25) Cooler for new transmitter install.
American Tower Other Costs	Broadcaster share of American Towers Cost (s): Outside RF consulting Engineering services Attorney and Other Outside Constultant Costs Other Professional Service Expenses Not Listed Site Coordination Meeting
Aux Antenna - Line Sweep	Marsand - Aux Antenna - Line Swipe post install.
CP Extension Fees	Attorney fees for KW CP Extension
Electrical Permit	Shawver Son Inc, Permit cost for electrical work.
Electrical Work for New KW Transmission Equipment	Added (2) circuits and receipts to outside (south) tower bldg. Added (3) rec to temp UPS's in Tower Bldg. Cored 12" hole (North wall transmitter room) for transmitter line.
Electrical work to remove Staco	Shawver Son Inc, to make room for new CH25 transmitter unit work was required to remove a staco unit previously used on the existing transmitter for CH39.
Equipment Storage	KWTV does not have a building large enough to store antenna, line, and items related to repack. Requires us to secure 3 x 53' trailers to securely store items at KWTV.
Equipment Storage for Top Main Line and Eq	KWTV does not have a building large enough to store antenna, line, and items related to repack. Requires us to secure 3 x 53' trailers to securely store items at KWTV Tower Site.
Extend Condenser Power and Controls	Shawver Son Inc, required work to extend existing transmitter cooling units to make room for new CH25 transmitter cooling units.
Furnish and install 112.5kva Transformer	Shawver Son Inc, Furnish and Install 112.5 kva transformer and ground both transformers as per code.
Interim Aux - Shared Combiner Components	Need waveguide, e-plane elbows and support components to hook up the shared combiner to the 2-channel antenna (Interim Aux)

Interim Aux 4 inch Line, Elbows, Flange Assy and Reducer	Interim Aux 4" Line Required to keep KWTW on air while replacing 8" transmission line.
KW Phase Waiver Request	Attorney Fees associated with KW Phase change waiver request.
Overtime	Shawver Son Inc - overtime for electrical work completed for new transmitter.
RF Plumbing Components	Interconnect Kit and System Bypass Switch required to switch between Main system and Interim system for transition.
Schedule 387 - Attorney Fees	Fees associated with Attorney assistance with Quarterly 387 reports.
Security Camera System	Tower site does not have security cameras. KWTW adding security cameras for security purposes of storing millions of dollars worth of repack at KWTW's building at tower site.
Tower King II Interim Aux EQ Offload	Tower King II - TOWER SERVICE Mobilize a 4 man crew from Cedar Hill TX to Oklahoma City OK to Offload and Store the Interim Aux / Main Antenna and 8" Line for the FCC Repack Antenna Change. April 26 through April 30, 2018.
Tower Mapping	American Tower fee for Tower Mapping.
Dielectric Invoice 157007	sales terms and would cause all my components to be out of sorts due to vendor billing balance as items ships instead Bal Net 30.
Dielectric Invoice 187001	sales terms and would cause all my components to be out of sorts due to vendor billing balance as items ships instead Bal Net 30.
Dielectric Invoice 153001	Please refer to cover letter of understanding why I'm filing in this manner. Vendor accounting system does not bill based on sales terms and would cause all my components to be out of sorts due to vendor billing balance as items ships instead Bal Net 30.
Dielectric Invoice 175003	sales terms and would cause all my components to be out of sorts due to vendor billing balance as items ships instead Bal Net 30.

Dielectric Invoice 181010	sales terms and would cause all my components to be out of sorts due to vendor billing balance as items ships instead Bal Net 30.
Dielectric Invoice 199029	sales terms and would cause all my components to be out of sorts due to vendor billing balance as items ships instead Bal Net 30.
Dielectric Invoice 242004	sales terms and would cause all my components to be out of sorts due to vendor billing balance as items ships instead Bal Net 30.
Dielectric Invoice 252032	sales terms and would cause all my components to be out of sorts due to vendor billing balance as items ships instead Bal Net 30.
Dielectric Invoice 345001	sales terms and would cause all my components to be out of sorts due to vendor billing balance as items ships instead Bal Net 30.
Dielectric Invoice 348013	sales terms and would cause all my components to be out of sorts due to vendor billing balance as items ships instead Bal Net 30.
Dielectric Invoice 369041	sales terms and would cause all my components to be out of sorts due to vendor billing balance as items ships instead Bal Net 30.
Dielectric Invoice 393006	sales terms and would cause all my components to be out of sorts due to vendor billing balance as items ships instead Bal Net 30.

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
Primary Transmitter ULXTE-100	\$1,978,754.33	\$2,036,924.33		\$1,991,314.87	
Switchgear - industrial 800 amp	\$38,200.00	\$95,610.00	Over cost estimate due to using original FCC PN for Catalog of Expenses DA-17-154A2. Quote was not available at the time of filing 399 form for verification.	\$95,610.00	Over cost estimate due to using original FCC PN for Catalog of Expenses DA-17-154A2. Quote was not available at the time of filing 399 form for verification.
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$15,160.00	Over cost estimate due to using original FCC PN for Catalog of Expenses DA-17-154A2. Quote was not available at the time of filing 399 form for verification.	\$15,160.00	Over cost estimate due to using original FCC PN for Catalog of Expenses DA-17-154A2. Quote was not available at the time of filing 399 form for verification.

UHF - Liquid Cooled Solid State Transmitter 62.9 kW	\$1,926,154.33	\$1,926,154.33	N/A	\$1,880,544.87	03/05/2018 - Refer to Q-7348: 20171108-1723 signed.pdf for Change Order to original quote KWTVULXTE10: 082317rev2.pdf Quote #GA- 00021839. GatesAir did a tech review of equipment order post original quote and needed to change some equipment = +\$18,872.21.
Sub-total	\$1,978,754.33	\$2,036,924.33	N/A	\$1,991,314.87	N/A
Total for all systems	\$5,654,665.07	\$5,427,060.28	N/A	\$3,669,749.95	N/A

Components

Actual Information	
Description	File Name
Switchgear - industrial 800 amp	<p>Component Description: Items 7,8,9,10 from Quote: Install new 1200amp 120/208 panel, furnish 1200amp feed, add new 200 amp breaker in existing panel and feed to transformer, run power circuits to new equipment as per panel schedule.</p> <p>Amount: \$95,610.00</p>

Service entrance 3 phase/800 amp/208 volt	<table> <tr> <td data-bbox="734 168 1157 481">Component Description:</td><td data-bbox="1157 168 1477 481">Item 3. and 4. on Quote: Install New 600 Amp feed from main power panel to new transformer and re-work new 600 Amp service to transformer.</td></tr> <tr> <td data-bbox="734 481 1157 571">Amount:</td><td data-bbox="1157 481 1477 571">\$15,160.00</td></tr> </table>	Component Description:	Item 3. and 4. on Quote: Install New 600 Amp feed from main power panel to new transformer and re-work new 600 Amp service to transformer.	Amount:	\$15,160.00												
Component Description:	Item 3. and 4. on Quote: Install New 600 Amp feed from main power panel to new transformer and re-work new 600 Amp service to transformer.																
Amount:	\$15,160.00																
UHF - Liquid Cooled Solid State Transmitter 62.9 kW	<table> <tr> <td data-bbox="734 660 1157 817">Component Description:</td><td data-bbox="1157 660 1477 817">KWTW GatesAir CH 25 Transmitter Installation and commissioning.</td></tr> <tr> <td data-bbox="734 817 1157 907">Amount:</td><td data-bbox="1157 817 1477 907">\$72,000.00</td></tr> <tr> <td data-bbox="734 952 1157 1108">Component Description:</td><td data-bbox="1157 952 1477 1108">1/3 Due Before Shipment Invoice for transmitter ULXTE- 100.</td></tr> <tr> <td data-bbox="734 1108 1157 1198">Amount:</td><td data-bbox="1157 1108 1477 1198">\$602,323.51</td></tr> <tr> <td data-bbox="734 1243 1157 1400">Component Description:</td><td data-bbox="1157 1243 1477 1400">Down payment for transmitter. 1/3 ARO.</td></tr> <tr> <td data-bbox="734 1400 1157 1489">Amount:</td><td data-bbox="1157 1400 1477 1489">\$596,032.77</td></tr> <tr> <td data-bbox="734 1534 1157 1601">Component Description:</td><td data-bbox="1157 1534 1477 1601">Payment 3/3 for Transmitter.</td></tr> <tr> <td data-bbox="734 1601 1157 1637">Amount:</td><td data-bbox="1157 1601 1477 1637">\$610,188.59</td></tr> </table>	Component Description:	KWTW GatesAir CH 25 Transmitter Installation and commissioning.	Amount:	\$72,000.00	Component Description:	1/3 Due Before Shipment Invoice for transmitter ULXTE- 100.	Amount:	\$602,323.51	Component Description:	Down payment for transmitter. 1/3 ARO.	Amount:	\$596,032.77	Component Description:	Payment 3/3 for Transmitter.	Amount:	\$610,188.59
Component Description:	KWTW GatesAir CH 25 Transmitter Installation and commissioning.																
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Component Description:	Payment 3/3 for Transmitter.																
Amount:	\$610,188.59																

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-26DSC /VP-R O4	\$319,390.00	\$307,114.46		\$201,936.46	
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	\$21,750.00	N/A	\$14,355.00	N/A

Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	\$15,250.00	\$34,164.46	Initial filing was based on estimated cut pieces and elbows. Once work begin it was determined we need additional cut pieces and elbows to plumb KWTB post auction channel 25 to its interim aux and combiner.	\$34,164.46	Had to order additional cut pieces to plumb KWTB to it's interim aux and combiner.
New combiner, cost per channel (without antenna)	\$84,200.00	\$55,000.00	Combiner 2- Channel Ch23/Ch25 KSBI Main / KW Interim.	\$27,225.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$4,224.00	N/A
UHF - High Power, Side Mount, basic slot antenna, 26 bay,, 1000 kW input, horizontally polarized	\$184,800.00	\$184,800.00	This is the price the antenna was quoted from the manufacture.	\$121,968.00	N/A
Primary Antenna TFU-22GTH /VP-R 06	\$311,480.00	\$282,580.00		\$153,030.90	

Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	\$15,250.00	\$44,400.00	This antenna has a more complicated elbow complex due to being installed on a top mount of a candelabra tower.	\$21,978.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$4,224.00	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	\$289,500.00	\$231,780.00	Upgraded equipment. Station will bear the cost of the difference in price.	\$126,828.90	N/A
Sub-total	\$630,870.00	\$589,694.46	N/A	\$354,967.36	N/A
Total for all systems	\$5,654,665.07	\$5,427,060.28	N/A	\$3,669,749.95	N/A

Components

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

<p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<table><tr><td data-bbox="740 96 1177 600"><p>Component Description:</p><p>Amount:</p></td><td data-bbox="1177 96 1495 600"><p>Side Mount Brackets for High Power Antennas - Includes a Scatter Study Mounts TFU-26/DSC. Item 31 on invoice. 33% Prior to Shipping</p><p>\$7,177.50</p></td></tr><tr><td data-bbox="740 600 1177 1003"><p>Component Description:</p><p>Amount:</p></td><td data-bbox="1177 600 1495 1003"><p>Side Mount Brackets for High Power Antennas - Includes a Scatter Study Mounts TFU-26/DSC. Item 31 on invoice. 33% ARO</p><p>\$7,177.50</p></td></tr></table>	<p>Component Description:</p> <p>Amount:</p>	<p>Side Mount Brackets for High Power Antennas - Includes a Scatter Study Mounts TFU-26/DSC. Item 31 on invoice. 33% Prior to Shipping</p> <p>\$7,177.50</p>	<p>Component Description:</p> <p>Amount:</p>	<p>Side Mount Brackets for High Power Antennas - Includes a Scatter Study Mounts TFU-26/DSC. Item 31 on invoice. 33% ARO</p> <p>\$7,177.50</p>
<p>Component Description:</p> <p>Amount:</p>	<p>Side Mount Brackets for High Power Antennas - Includes a Scatter Study Mounts TFU-26/DSC. Item 31 on invoice. 33% Prior to Shipping</p> <p>\$7,177.50</p>				
<p>Component Description:</p> <p>Amount:</p>	<p>Side Mount Brackets for High Power Antennas - Includes a Scatter Study Mounts TFU-26/DSC. Item 31 on invoice. 33% ARO</p> <p>\$7,177.50</p>				

Elbow complex, single
channel, at antenna input, per
8 3/16. feedline (if needed)

Component Description:

Elbow 8-75 EIA
Digit 12x24 -
R64682

Amount:

\$3,600.00

Component Description:

Elbow Complex 8-
75 EIA Digit 12 x24.
Item No. 4 on Sales
Order - 1696158

Amount:

\$21,600.00

Component Description:

Elbow Complex 8-
75 Digit KSBI
/KWTv CH23/25
Standard Elbow
Complex. Item No.
32 on invoice. 33%
ARO

Amount:

\$4,482.23

Component Description:

Verifying Invoice
194003 with Vendor
due to Equipment
and Shipping Cost
not matching Quote
10162018 #
R64682 Elbow 8-75
EIA Digit for interim
aux - Quote

Amount:

1696158
\$3,600.00

Component Description:

Elbow Complex 8-
75 Digit KSBI
/KWTv CH23/25
Standard Elbow
Complex. Item No.
32 on invoice. 33%
Prior to Shipping

Amount:

\$4,482.23

New combiner, cost per channel (without antenna)	Component Description:	Combiner for Shared Antenna 2-Channel Ch23 /Ch25 KSBI Main / KW Interim. Interconnect Kit, and System Bypass Switching. Items No. 26 on invoice. 33% ARO
	Amount:	\$13,612.50
	Component Description:	Combiner for Shared Antenna 2-Channel Ch23 /Ch25 KSBI Main / KW Interim. Interconnect Kit, and System Bypass Switching. Items No. 26 on invoice. 33% Prior to Shipping.
	Amount:	\$13,612.50
Sweep test of existing antenna	Component Description:	Sweep - One Field Engineer On-site. Item No. 56 on invoice. 33% ARO
	Amount:	\$2,112.00
	Component Description:	Sweep - One Field Engineer On-site. Item No. 56 on invoice. 33% Prior to Shipping
	Amount:	\$2,112.00

<p>UHF - High Power, Side Mount, basic slot antenna, 26 bay,, 1000 kW input, horizontally polarized</p>	<table> <tr> <td data-bbox="740 94 1177 488"> <p>Component Description:</p> </td><td data-bbox="1177 94 1495 488"> <p>Side Mount Antenna TFU- 26DSC Input CH23 KSBI (Main) / CH25 KWTW Interim. Item 29 & 30 on invoice. 33% Prior to Shipping.</p> </td></tr> <tr> <td data-bbox="740 488 1177 577"> <p>Amount:</p> </td><td data-bbox="1177 488 1495 577"> <p>\$60,984.00</p> </td></tr> <tr> <td data-bbox="740 577 1177 1001"> <p>Component Description:</p> </td><td data-bbox="1177 577 1495 1001"> <p>Side Mount Antenna TFU- 26DSC Input CH23 KSBI (Main) / CH25 KWTW Interim. Item 29 & 30 on invoice. 33% ARO</p> </td></tr> <tr> <td data-bbox="740 1001 1177 1003"> <p>Amount:</p> </td><td data-bbox="1177 1001 1495 1003"> <p>\$60,984.00</p> </td></tr> </table>	<p>Component Description:</p>	<p>Side Mount Antenna TFU- 26DSC Input CH23 KSBI (Main) / CH25 KWTW Interim. Item 29 & 30 on invoice. 33% Prior to Shipping.</p>	<p>Amount:</p>	<p>\$60,984.00</p>	<p>Component Description:</p>	<p>Side Mount Antenna TFU- 26DSC Input CH23 KSBI (Main) / CH25 KWTW Interim. Item 29 & 30 on invoice. 33% ARO</p>	<p>Amount:</p>	<p>\$60,984.00</p>
<p>Component Description:</p>	<p>Side Mount Antenna TFU- 26DSC Input CH23 KSBI (Main) / CH25 KWTW Interim. Item 29 & 30 on invoice. 33% Prior to Shipping.</p>								
<p>Amount:</p>	<p>\$60,984.00</p>								
<p>Component Description:</p>	<p>Side Mount Antenna TFU- 26DSC Input CH23 KSBI (Main) / CH25 KWTW Interim. Item 29 & 30 on invoice. 33% ARO</p>								
<p>Amount:</p>	<p>\$60,984.00</p>								
<p>Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)</p>	<table> <tr> <td data-bbox="740 1005 1177 1361"> <p>Component Description:</p> </td><td data-bbox="1177 1005 1495 1361"> <p>Elbow Complex 8- 75 Digit KWTW Main & Feed Through Complex KWTW Main. Items No 4 & 5 on invoice. 33% ARO</p> </td></tr> <tr> <td data-bbox="740 1361 1177 1451"> <p>Amount:</p> </td><td data-bbox="1177 1361 1495 1451"> <p>\$10,989.00</p> </td></tr> <tr> <td data-bbox="740 1451 1177 1776"> <p>Component Description:</p> </td><td data-bbox="1177 1451 1495 1776"> <p>Elbow Complex 8- 75 Digit KWTW Main & Feed Through Complex KWTW Main. Items No 4 & 5 on invoice. 33% Prior to Shipping</p> </td></tr> <tr> <td data-bbox="740 1776 1177 1868"> <p>Amount:</p> </td><td data-bbox="1177 1776 1495 1868"> <p>\$10,989.00</p> </td></tr> </table>	<p>Component Description:</p>	<p>Elbow Complex 8- 75 Digit KWTW Main & Feed Through Complex KWTW Main. Items No 4 & 5 on invoice. 33% ARO</p>	<p>Amount:</p>	<p>\$10,989.00</p>	<p>Component Description:</p>	<p>Elbow Complex 8- 75 Digit KWTW Main & Feed Through Complex KWTW Main. Items No 4 & 5 on invoice. 33% Prior to Shipping</p>	<p>Amount:</p>	<p>\$10,989.00</p>
<p>Component Description:</p>	<p>Elbow Complex 8- 75 Digit KWTW Main & Feed Through Complex KWTW Main. Items No 4 & 5 on invoice. 33% ARO</p>								
<p>Amount:</p>	<p>\$10,989.00</p>								
<p>Component Description:</p>	<p>Elbow Complex 8- 75 Digit KWTW Main & Feed Through Complex KWTW Main. Items No 4 & 5 on invoice. 33% Prior to Shipping</p>								
<p>Amount:</p>	<p>\$10,989.00</p>								

Sweep test of existing antenna	<table> <tr> <td data-bbox="754 174 1061 208">Component Description:</td><td data-bbox="1195 174 1414 365">Sweep - One Field Engineer On-site. Item No. 57 on invoice. 33% ARO</td></tr> <tr> <td data-bbox="754 338 863 365">Amount:</td><td data-bbox="1195 338 1313 365">\$2,112.00</td></tr> <tr> <td data-bbox="754 477 1061 510">Component Description:</td><td data-bbox="1195 477 1414 667">Sweep - One Field Engineer On-site. Item No. 57 on invoice. 33% Prior to Shipping</td></tr> <tr> <td data-bbox="754 674 863 701">Amount:</td><td data-bbox="1195 674 1313 701">\$2,112.00</td></tr> </table>	Component Description:	Sweep - One Field Engineer On-site. Item No. 57 on invoice. 33% ARO	Amount:	\$2,112.00	Component Description:	Sweep - One Field Engineer On-site. Item No. 57 on invoice. 33% Prior to Shipping	Amount:	\$2,112.00
Component Description:	Sweep - One Field Engineer On-site. Item No. 57 on invoice. 33% ARO								
Amount:	\$2,112.00								
Component Description:	Sweep - One Field Engineer On-site. Item No. 57 on invoice. 33% Prior to Shipping								
Amount:	\$2,112.00								
UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized	<table> <tr> <td data-bbox="754 846 1061 880">Component Description:</td><td data-bbox="1195 846 1434 1234">Top Mount Main One-Channel Antenna - TFU-22GTH - CH25 KWTv/TOP Plate-Adapter; items No. 1 and 3 on invoice. 33% ARO. Does not include VPOL item 2 from invoice.</td></tr> <tr> <td data-bbox="754 1245 863 1272">Amount:</td><td data-bbox="1195 1245 1329 1272">\$63,414.45</td></tr> <tr> <td data-bbox="754 1384 1061 1417">Component Description:</td><td data-bbox="1195 1384 1422 1809">Top Mount Main One-Channel Antenna - TFU-22GTH - CH25 KWTv/TOP Plate-Adapter; items No. 1 and 3 on invoice. 33% Prior to Shipping. Does not include VPOL item 2</td></tr> <tr> <td data-bbox="754 1821 863 1848">Amount:</td><td data-bbox="1195 1821 1329 1848">\$63,414.45</td></tr> </table>	Component Description:	Top Mount Main One-Channel Antenna - TFU-22GTH - CH25 KWTv/TOP Plate-Adapter; items No. 1 and 3 on invoice. 33% ARO. Does not include VPOL item 2 from invoice.	Amount:	\$63,414.45	Component Description:	Top Mount Main One-Channel Antenna - TFU-22GTH - CH25 KWTv/TOP Plate-Adapter; items No. 1 and 3 on invoice. 33% Prior to Shipping. Does not include VPOL item 2	Amount:	\$63,414.45
Component Description:	Top Mount Main One-Channel Antenna - TFU-22GTH - CH25 KWTv/TOP Plate-Adapter; items No. 1 and 3 on invoice. 33% ARO. Does not include VPOL item 2 from invoice.								
Amount:	\$63,414.45								
Component Description:	Top Mount Main One-Channel Antenna - TFU-22GTH - CH25 KWTv/TOP Plate-Adapter; items No. 1 and 3 on invoice. 33% Prior to Shipping. Does not include VPOL item 2								
Amount:	\$63,414.45								

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	\$485,800.00	\$340,314.75		\$233,682.74	
Rigid Transmission Line - copper, 8 3 /16"	\$485,800.00	\$340,314.75	N/A	\$233,682.74	N/A
Primary Transmission Line	\$645,420.00	\$549,958.00		\$297,968.71	
Rigid Transmission Line - copper, 8 3 /16"	\$645,420.00	\$549,958.00	N/A	\$297,968.71	N/A
Sub-total	\$1,131,220.00	\$890,272.75	N/A	\$531,651.45	N/A
Total for all systems	\$5,654,665.07	\$5,427,060.28	N/A	\$3,669,749.95	N/A

Components

Actual Information	
Description	File Name
Rigid Transmission Line - copper, 8 3/16"	<div>Component Description: Hanger HOR 8 3/16 3PT SUS SIN - R0006730502</div> <div>Amount: \$2,501.25</div>

Component Description:	Rigid Transmission Line and T/L 8-75 EIA Length 15' to 20' Fixed FLG 1 END /SWIVEL FLG 1 End. Items No. 33 & 37 on invoice. 33% ARO
Amount:	\$112,303.87

Component Description:	RTLSCR8-15 Transmission Line Rigid 8/75 cut pieces - Quote 1696158
Amount:	\$4,470.00

Component Description:	RTLSCR8-10 Transmission Line Rigid 8/75 cut pieces - Quote 1696158
Amount:	\$2,103.75

Component Description:	Rigid Transmission Line and T/L 8-75 EIA Length 15' to 20' Fixed FLG 1 END /SWIVEL FLG 1 End. Items No. 33 & 37 on invoice. 33% Prior to Shipping
Amount:	\$112,303.87

	Component Description:	# Verifying Invoice 194003 with Vendor due to Equipment and Shipping Cost not matching Quote 10162018 # R0006730502 - Hanger Hor 8 3/16 for line. Quote 1696158
	Amount:	\$2,501.25
Rigid Transmission Line - copper, 8 3/16"	Component Description:	Rigid Transmission Line - copper T/L 8- 75 and T/L 8-75 15' to 20' FIXED FLG 1 End/Swivel FLG 1 End. Item No 6 & 10 on invoice. 33% ARO
	Amount:	\$148,984.36
	Component Description:	Rigid Transmission Line - copper T/L 8- 75 and T/L 8-75 15' to 20' FIXED FLG 1 End/Swivel FLG 1 End. Item No 6 & 10 on invoice. 33% Prior to Shipping
	Amount:	\$148,984.35

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 GTOWER	\$841,000.00	\$870,378.00		\$543,953.00	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$450,828.00	Estimated cost for replacing stacked, top mount antenna and transmission line on candelabra.	\$450,828.00	Weather delay days with top main antenna install increased the cost of this component.
Structural engineering tower load study for a documented tower with candelabra	\$20,000.00	\$19,550.00	As per American Tower Pricing sheet - see attachments	\$9,500.00	Tower Permit Drawing and Tower Mapping for \$4,700 - As of 102418 this component has been moved to Outside Professional Services. \$12,400 has been moved to Outside Professional Services.
Interim Installation	<i>\$400,000.00</i>	\$400,000.00	Install interim antenna and transmission line.	\$83,625.00	N/A

Sub-total	\$841,000.00	\$870,378.00	N/A	\$543,953.00	N/A
Total for all systems	\$5,654,665.07	\$5,427,060.28	N/A	\$3,669,749.95	N/A

Components

Actual Information	
Description	File Name
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Component Description:
	Per Proposal C-19-002 & C-19-002R1 - 55% Project Completion, plus weather delay days for KWTW Main Top Antenna Change w /Helicopter Pick.
	Amount:
	\$185,412.50
	Component Description:
	Moved from Interim Install as per email 8 /3/18 from Jean Hairston over to Complex Tower.
	Amount:
	\$92,400.00
	Component Description:
	Moved from Interim Installation category per Randall Taylor (CTR). Branch T Combiner Install and interconnect, sweep & optimize interim antenna and line.
	Amount:
	\$10,000.00

Component Description:	MS1 25% Capital Contribution from broadcaster (KWTV-DT) for Major Tower Reinforcement /Mods. As per schedule / customer project cost estimation on page two in the PDF attached to this component. Reference 3-A-1.
Amount:	\$11,588.50

Component Description:	Per Proposal C-19-002 - 45% Down Payment and Mobilization of the Base Contract for KWTV Main Top Antenna Change w /Helicopter Pick.
Amount:	\$128,250.00

Component Description:	MS2 50% Capital Contribution from broadcaster (KWTV-DT) for Major Tower Reinforcement /Mods. As per schedule / customer project cost estimation on page two in the PDF attached to this component. Reference 3-A-1.
Amount:	\$23,177.00

Structural engineering tower
load study for a documented
tower with candelabra

Component Description:

Please Remove
From This Category -
Filed Now Under
Outside Professional
Service - Project
Management of the
Transition ##

Amount:

N/A

Component Description:

Please Remove
From This Category -
Filed Now Under
Outside Professional
Service - Project
Management of the
Transition ##

Amount:

N/A

Component Description:

Broadcast Structural
- Revised to include
cover letter to
explain the
relationship of having
two stations listed on
the purchase order
and to provide a
updated purchase
order. Plus that the
requested amount is
inline with verified
amount as 102418.

Amount:

\$9,500.00

Interim Installation

Component Description:

Tower Services for Interim Aux Install. 45% Down Payment and Mobilization of Crew for the KWTW Repack.

Amount:

\$75,600.00

Component Description:

Tower King II cost for line prep for temp line for KWTW transition and line layout for interim aux for repack transistion to CH 25. See KWTW Line Layout ProposalQuote and INV 3082 PDF in Attachments.

Amount:

\$8,025.00

Component Description:

Filed in the incorrect cost component. This has been re-entered in the Complex Tower Section. Please disregard this component in the Interim section of this 399.

Amount:

\$92,400.00

Component Description:

Moving to Complex Tower category per Randall Taylor (CTR).

Amount:

N/A

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	\$288,095.00	\$264,230.00		\$35,315.50	
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	\$7,360.00	\$7,000.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A

Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,100.00	N/A	\$1,200.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$3,248.00	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$0.00	N/A	\$0.00	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$0.00	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	\$2,250.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$6,500.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	\$1,875.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$3,500.00	Only included engineering fee and now including the attorney fees for review and preparation of the 399 form.	\$3,437.50	N/A

Project management of the transition	\$134,300.00	\$121,380.00	Marsand - \$111,900 American Tower - \$9480	\$16,805.00	N/A
Sub-total	\$288,095.00	\$264,230.00	N/A	\$35,315.50	N/A
Total for all systems	\$5,654,665.07	\$5,427,060.28	N/A	\$3,669,749.95	N/A

Components

Actual Information	
Description	File Name
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 - Aux Antenna,
prepare and File Form 2100
Construction Permit or
License Application

Component Description:

Aux Antenna CP
work. Request for
only KWTW
Repacking fees
associated with form
preparation. Invoice
more than request
due to firm working
other items for Griffin
Licensing not being
filed through KWTW
399.

Amount:

\$300.00

Component Description:

6-28 - KW Aux Ant
CP, 6-22 - FCC Call
for Aux Ant Auth.
Request for only
KWTW Repacking
fees associated with
form preparation.
Invoice more than
request due to firm
working other items
for Griffin Licensing
not being filed
through KWTW 399.

Amount:

\$300.00

Component Description:

Aux Antenna CP and
work for Aux
Antenna. Request for
only KWTW
Repacking fees
associated with form
preparation. Invoice
more than request
due to firm working
other items for Griffin
Licensing not being
filed through KWTW
399.

Amount:

\$600.00

<p>Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="729 91 1150 672"> <p>Component Description:</p> </td><td data-bbox="1150 91 1495 672"> <p>Request for only KWTW Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTV 399.</p> </td></tr> <tr> <td data-bbox="729 672 1150 1187"> <p>Amount:</p> </td><td data-bbox="1150 672 1495 1187"> <p>\$1,556.00</p> </td></tr> <tr> <td data-bbox="729 1187 1150 1747"> <p>Component Description:</p> </td><td data-bbox="1150 1187 1495 1747"> <p>Request for only KWTV Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTV 399.</p> </td></tr> <tr> <td data-bbox="729 1747 1150 1861"> <p>Amount:</p> </td><td data-bbox="1150 1747 1495 1861"> <p>\$582.00</p> </td></tr> <tr> <td data-bbox="729 1861 1150 1973"> <p>Component Description:</p> </td><td data-bbox="1150 1861 1495 1973"> <p>KWTV CP Application Filing Fee. Request for only KWTV Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTV 399.</p> </td></tr> <tr> <td data-bbox="729 1973 1150 2098"> <p>Amount:</p> </td><td data-bbox="1150 1973 1495 2098"> <p>\$1,110.00</p> </td></tr> </table>	<p>Component Description:</p>	<p>Request for only KWTW Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTV 399.</p>	<p>Amount:</p>	<p>\$1,556.00</p>	<p>Component Description:</p>	<p>Request for only KWTV Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTV 399.</p>	<p>Amount:</p>	<p>\$582.00</p>	<p>Component Description:</p>	<p>KWTV CP Application Filing Fee. Request for only KWTV Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTV 399.</p>	<p>Amount:</p>	<p>\$1,110.00</p>
<p>Component Description:</p>	<p>Request for only KWTW Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTV 399.</p>												
<p>Amount:</p>	<p>\$1,556.00</p>												
<p>Component Description:</p>	<p>Request for only KWTV Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTV 399.</p>												
<p>Amount:</p>	<p>\$582.00</p>												
<p>Component Description:</p>	<p>KWTV CP Application Filing Fee. Request for only KWTV Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTV 399.</p>												
<p>Amount:</p>	<p>\$1,110.00</p>												
<p>Prepare request for Special Temporary Authorization</p>	<p>Information not provided.</p>												

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	Prepare engineering section of FCC Form 2100 (main), Construction Permit Application
	Amount:	\$2,250.00
Perform engineering study for new channel assignment and antenna development	Component Description:	Perform engineering study for new channel assignment and antenna development - complex system: multi-channel, shared combiner, multi-tenant site
	Amount:	\$6,500.00

Address transition timing and coordination issues w/ other stations and wireless

Component Description:

MS1 25% Capital Contribution from broadcaster (KWTVDT) for Prof. Services: transition timing and coordination issues. As per schedule / customer project cost estimation on page two in the PDF attached to this component. Reference 1-A-1 \$625.00

Amount:

Component Description:

MS2 50% Capital Contribution from broadcaster (KWTVDT) for Prof. Services: transition timing and coordination issues. As per schedule / customer project cost estimation on page two in the PDF attached to this component. Reference 1-A-1 \$1,250.00

Amount:

Prepare and or review
reimbursement form

Component Description:

399 reimbursement
submission work.
Request for only
KWTv Repacking
fees associated with
form preparation.
Invoice more than
request due to firm
working other items
for Griffin Licensing
not being filed
through KWTv 399.

Amount:

\$100.00

Component Description:

Request for only
KWTv Repacking
fees associated with
form preparation.
Invoice more than
request due to firm
working other items
for Griffin Licensing
not being filed
through KWTv 399.

Amount:

\$837.50

Component Description:

Prepare and or
review
reimbursement form

Amount:

\$2,500.00

Project management of the
transition

Component Description:

Moved from LMS
Category - Structural
Eng. Tower Load
Study. Project
Management service
for Tower Permit
Drawing.

Amount:

\$4,700.00

Component Description:	MS2 50% Capital Contribution from broadcaster (KWTv-DT) for Construction Project Management. As per schedule / customer project cost estimation on page two in the PDF attached to this component. Reference 3-D-1.
Amount:	\$1,250.00

Component Description:	PO Line 1 - NTP Billable - Project Mgmt - ATC Site 7400 for KWTv-DT 25382 transition.
Amount:	\$9,480.00

Component Description:	PO LINE 3 - Building Permit Billable - Project Mgmt - ATC Site: 7400, KWTv FIN: 25382 tranistion
Amount:	\$750.00

Component Description:	MS1 25% Capital Contribution from broadcaster (KWTv-DT) for Construction Project Management. As per schedule / customer project cost estimation on page two in the PDF attached to this component. Reference 3-D-1.
Amount:	\$625.00

Component Description:

Moved from LMS
Category - Structural
Eng. Tower Load
Study. Project
Management service
for Tower Mapping.

Amount:

\$12,400.00

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
Other Expenses	\$784,725.74	\$775,560.74		\$212,547.71
Dielectric Invoice 242004	<i>\$84,046.00</i>	\$84,046.00	Elbow, Line, Freight, Sweep - Refer to Cover Letter	\$0.00
Dielectric Invoice 199029	<i>\$2,854.10</i>	\$2,854.10	RFREIGHT for Line - Refer to Cover Letter	\$0.00
Dielectric Invoice 181010	<i>\$21,750.00</i>	\$21,750.00	Side mount brackets - Refer to Cover Letter	\$0.00
Dielectric Invoice 175003	<i>\$178,938.44</i>	\$178,938.44	UHF High Power Top Mount, Line, Elbow, etc - Refer to Cover Letter	\$0.00
Dielectric Invoice 153001	<i>\$72,749.18</i>	\$72,749.18	Elbow, Trans Line, Hangers, etc. - Refer to Cover Letter	\$0.00
Dielectric Invoice 187001	<i>\$5,756.11</i>	\$5,756.11	Trans Line, Adapter - Refer to Cover Letter	\$0.00
Dielectric Invoice 157007	<i>\$47,570.00</i>	\$47,570.00	Tuner Section, Combiner, Freight - Refer to Cover Letter	\$0.00
Tower King II Interim Aux EQ Offload	<i>\$10,068.25</i>	\$10,068.25	TOWER SERVICE Mobilize a 4 man crew from Cedar Hill TX to Oklahoma City OK to Offload and Store the Interim Aux / Main Antenna and 8" Line for the FCC Repack Antenna Change. April 26 through April 30, 2018.	\$10,068.25

Security Camera System	\$3,887.31	\$3,887.31	Tower site does not have security camera's on station transmission building complex. KWTV is adding security camera's. Difference in estimated and actual cost was due to the need of adding two more camera's - reference the Amazon order.	\$3,887.31
Schedule 387 - Attorney Fees	\$1,400.00	\$1,400.00	Schedule 387 quarterly progress report prep and review with attorney firm.	\$1,394.00
RF Plumbing Components	\$65,703.75	\$65,703.75	Interconnect kit and RF System Bypass Switch allowing switching between Main and Interim systems for transition.	\$43,364.48
Overtime	\$1,400.00	\$1,400.00	N/A	\$1,400.00
KW Phase Waiver Request	\$5,700.00	\$5,700.00	Attorney work for KW phase change waiver request to move to Phase 1.	\$5,549.00
Interim Aux 4 inch Line, Elbows, Flange Assy and Reducer	\$11,675.99	\$11,675.99	Require to install a interim aux 4" line while replacing 8" transmission line for KWTV to stay on air.	\$11,675.99
Interim Aux - Shared Combiner Components	\$7,189.00	\$7,189.00	Components - waveguide and elbows to hook up transmitter to shared combiner for 2-channel interim aux antenna.	\$7,058.56
Furnish and install 112.5 kva Transformer	\$18,710.00	\$18,710.00	Furnish and install new 112.5 kva transformer. Ground both transformers as per code.	\$18,710.00

Extend Condenser Power and Controls	\$320.00	\$320.00	Necessary to extend and move out of the way the existing cooling condenser to make room for new cooling condenser units on new transmitter.	\$320.00
Equipment Storage for Top Main Line and Eq	\$2,843.93	\$2,843.93	KWTV tower site does not have secured storage enough to store all the line and equipment for the it's new top main antenna. Used secured trailers from Milestone to store equipment.	\$2,281.43
Equipment Storage	\$3,113.00	\$3,113.00	KWTV does not have a building to store antenna, line, and repack related items pre-installation. We have leased 3 x 53' tractor trailers to securely store repack equipment until they are installed on the tower.	\$3,113.00
Electrical work to remove Staco	\$2,950.00	\$2,950.00	Electrical work necessary to remove a staco unit from the CH39 transmitter to make room for equipment associated with the new CH25 transmitter.	\$2,950.00

Electrical Work for New KW Transmission Equipment	\$1,566.77	\$1,566.77	N/A	\$1,566.77
Electrical Permit	\$250.00	\$250.00	Permit necessary for electrician - Shawver Son Inc.	\$250.00
Aux Antenna - Line Sweep	\$3,500.00	\$3,500.00	Marsand KWTW Aux Antenna - Line Sweep 091118 post install.	\$3,500.00
American Tower Other Costs	\$2,500.00	\$2,500.00	Broadcaster share of American Towers Cost(s): Outside RF consulting Engineering services Attorney and Other Outside Consultant Costs Other Professional Service Expenses Not Listed Site Coordination Meeting	\$1,875.00
AirTech - Existing Cooler Move	\$2,880.00	\$2,880.00	Existing Glycol Fluid Cooler for the CH39 transmitter needed to be moved to make space for the cooler system associated with our new CH25 transmitter.	\$2,880.00
Develop and air announcement of upcoming channel change	\$43,000.00	\$43,000.00	Cost estimates associated with outsourcing the production of the viewer announcements for the upcoming channel change. Refer to KWTW GMSRepackRescanEstimate.pdf in the attachments.	\$200.00

Equipment Delivery and Handling Charges	\$72,240.68	\$72,240.68	Additional Freight due to additional cut pieces for new transmission line. Freight is not quoted from some vendors until actual shipped and/or is estimated.	\$72,240.68
Disposal Costs (for equipment and other waste, net of any salvage value)	\$26,000.00	\$26,000.00	N/A	N/A
Local Zoning	\$7,450.00	\$7,450.00	As per American Tower Pricing Sheet; see attachments - ATC Repack Services Pricing Includes: Zoning, Permitting, and Tower Permit Drawing Package.	\$0.00
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	\$1,070.00
DTV Medical Facility Notification	\$11,550.00	\$2,440.00	N/A	\$2,316.80

CP Extension Fees	\$3,000.00	\$3,000.00	N/A	\$1,698.00
MVPD Notification of Channel Change	\$800.00	\$800.00	Adding Attorney Fees associated with MVPD notifications.	\$778.50
Tower Mapping	\$12,400.00	\$12,400.00	Tower Mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study.	\$12,400.00
Dielectric Invoice 393006	\$1,813.50	\$1,813.50	Transmission Line Rigid RFREIGHT Refer to Cover Letter	\$0.00
Dielectric Invoice 369041	\$1,569.19	\$1,569.19	Trans Line Rigid - RFREIGHT - Refer to Cover Letter	\$0.00
Dielectric Invoice 348013	\$7,186.79	\$7,186.79	RFREIGHT - Refer to Cover Letter	\$0.00
Dielectric Invoice 345001	\$20,103.75	\$20,103.75	Rigid Trans - Elbow - Refer to Cover Letter	\$0.00
Dielectric Invoice 252032	\$16,650.00	\$16,650.00	Feed Through KW Main - Refer to Cover Letter	\$0.00
Sub-total	\$784,725.74	\$775,560.74	N/A	\$212,547.74
Total for all systems	\$5,654,665.07	\$5,427,060.28	N/A	\$3,669,749.99

Components

Actual Information	
Description	File Name
Dielectric Invoice 242004	<p>Component Description: Elbow, line, freight, sweep - Refer to Cover Letter</p> <p>Amount: \$84,046.00</p>

Dielectric Invoice 199029	Component Description: Amount:	Line, Freight - Refer to Cover Letter \$2,854.10
Dielectric Invoice 181010	Component Description: Amount:	Side Mount brackets - Refer to Cover Letter \$21,750.00
Dielectric Invoice 175003	Component Description: Amount:	UHF High Power Top Mount antenna, line, elbow. Not filing for Bal Net 30 due for VPOL - Refer to Cover Letter \$178,938.44
Dielectric Invoice 153001	Component Description: Amount:	Elbow, Line, Hanges, etc. - Refer to Cover Letter \$72,749.18
Dielectric Invoice 187001	Component Description: Amount:	Adapater, Trans Line - Refer to Cover Letter \$5,756.11
Dielectric Invoice 157007	Component Description: Amount:	Tuner Section, Combiner, Freight - Refer to Cover Letter \$47,570.00
Tower King II Interim Aux EQ Offload	Component Description: Amount:	TOWER SERVICE Mobilize a 4 man crew from Cedar Hill TX to Oklahoma City OK to Offload and Store the Interim Aux / Main Antenna and 8" Line for the FCC Repack Antenna Change. April 26 through April 30, 2018. \$10,068.25

Security
Camera System

Component Description: Tough Cbl Connectors and 1080P Camera's. See B&H Security Camera Quote and Invoice 141702772 attachment.

Amount: \$914.27

Component Description: Dome Cameras and NVR. See B&H Security Camera Quote and Invoice 141661024 attachment.

Amount: \$616.69

Component Description: Tough Cable Level 1 1000' box. See B&H Security Camera Quote and Invoice 141671461 attachment.

Amount: \$132.30

Component Description: Two cameras for security necessary to keep transmitter room secured where equipment is stored and being installed.

Amount: \$261.96

Component Description: Network switch for Security Camera System at tower site for equipment storage.

Amount: \$1,725.30

Component Description: Ethernet Surge Protector. See B&H Security Camera Quote and Invoice 141633486 attachment.

Amount: \$65.94

Component Description: Network switch support/smartnet for Security Camera System at tower site for equipment storage.

Amount: \$170.85

Schedule 387 -
Attorney Fees

Component Description:	Request for only KWTv Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTv 399.
Amount:	\$194.00
Component Description:	387 work. Request for only KWTv Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTv 399.
Amount:	\$300.00
Component Description:	387 quarterly filing. Request for only KWTv Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTv 399.
Amount:	\$100.00
Component Description:	Quarterly 387 Form work. Request for only KWTv Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTv 399.
Amount:	\$700.00
Component Description:	387 Work. Request for only KWTv Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTv 399.
Amount:	\$100.00

RF Plumbing Components	<div data-bbox="584 174 1495 450"> <p>Component Description: Interconnect Kit and System Bypass Switch required for switching between Main and Interim during transition. Item 27&28 on Dielectric Inv. 33% Prior to Shipping</p> <p>Amount: \$21,682.24</p> </div> <div data-bbox="584 555 1495 831"> <p>Component Description: Interconnect Kit and System Bypass Switch required for switching between Main and Interim during transition. Item 27&28 on Dielectric Inv. 33% with order amount.</p> <p>Amount: \$21,682.24</p> </div>
Overtime	<div data-bbox="584 969 1495 1160"> <p>Component Description: After hours work necessary to install new electrical service and panels for new transmitter - item 12 on Shawver Quote</p> <p>Amount: \$1,400.00</p> </div>

<p>KW Phase Waiver Request</p>	<table> <tr> <td data-bbox="566 94 1013 526"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1013 94 1495 526"> <p>Request for only KWTv Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTv 399.</p> <p>\$600.00</p> </td></tr> <tr> <td data-bbox="566 526 1013 952"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1013 526 1495 952"> <p>Request for only KWTv Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTv 399.</p> <p>\$1,261.00</p> </td></tr> <tr> <td data-bbox="566 952 1013 1265"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1013 952 1495 1265"> <p>Request for only KWTv Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTv 399.</p> <p>\$3,688.00</p> </td></tr> </table>	<p>Component Description:</p> <p>Amount:</p>	<p>Request for only KWTv Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTv 399.</p> <p>\$600.00</p>	<p>Component Description:</p> <p>Amount:</p>	<p>Request for only KWTv Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTv 399.</p> <p>\$1,261.00</p>	<p>Component Description:</p> <p>Amount:</p>	<p>Request for only KWTv Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTv 399.</p> <p>\$3,688.00</p>
<p>Component Description:</p> <p>Amount:</p>	<p>Request for only KWTv Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTv 399.</p> <p>\$600.00</p>						
<p>Component Description:</p> <p>Amount:</p>	<p>Request for only KWTv Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTv 399.</p> <p>\$1,261.00</p>						
<p>Component Description:</p> <p>Amount:</p>	<p>Request for only KWTv Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTv 399.</p> <p>\$3,688.00</p>						
<p>Interim Aux 4 inch Line, Elbows, Flange Assy and Reducer</p>	<table> <tr> <td data-bbox="566 1265 1013 1489"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1013 1265 1495 1489"> <p>Interim 4" line while replacing our 8" line for KWTv. See quote and invoice Dielectric 1083003 Quote and Invoice 141010.pdf.</p> <p>\$11,675.99</p> </td></tr> </table>	<p>Component Description:</p> <p>Amount:</p>	<p>Interim 4" line while replacing our 8" line for KWTv. See quote and invoice Dielectric 1083003 Quote and Invoice 141010.pdf.</p> <p>\$11,675.99</p>				
<p>Component Description:</p> <p>Amount:</p>	<p>Interim 4" line while replacing our 8" line for KWTv. See quote and invoice Dielectric 1083003 Quote and Invoice 141010.pdf.</p> <p>\$11,675.99</p>						
<p>Interim Aux - Shared Combiner Components</p>	<table> <tr> <td data-bbox="566 1601 1013 1883"> <p>Component Description:</p> <p>Amount:</p> </td><td data-bbox="1013 1601 1495 1883"> <p>Components to hook up transmitter to shared combiner for 2-channel interim aux.</p> <p>\$7,058.56</p> </td></tr> </table>	<p>Component Description:</p> <p>Amount:</p>	<p>Components to hook up transmitter to shared combiner for 2-channel interim aux.</p> <p>\$7,058.56</p>				
<p>Component Description:</p> <p>Amount:</p>	<p>Components to hook up transmitter to shared combiner for 2-channel interim aux.</p> <p>\$7,058.56</p>						

Furnish and install 112.5kva Transformer	<p>Component Description: Item 5 and 6 on Quote. Furnish and install new 112.5kva transformer. Ground both transformers as per code.</p> <p>Amount: \$18,710.00</p>
Extend Condenser Power and Controls	<p>Component Description: Extend existing condenser power & controls to make room for new cooling units for CH25 transmitter. Item 1 on Quote.</p> <p>Amount: \$320.00</p>
Equipment Storage for Top Main Line and Eq	<p>Component Description: December rent for 5 trailers - 20 days</p> <p>Amount: \$712.30</p>
	<p>Component Description: Delivery of 5 Trailers to Antenna Tower Location 12122018</p> <p>Amount: \$750.00</p>
	<p>Component Description: January Trailer Rent - 18 days for 3 trailers and 1 complete month for 2 trailers.</p> <p>Amount: \$819.13</p>
Equipment Storage	<p>Component Description: Montly rental of storage trailers to securely store transmission equipment and line for the period of 4/11 - 4/30 for invoice M00027747.</p> <p>Amount: \$378.22</p>

Component Description:	Montly rental of storage trailers to securely store transmission equipment and line for the period of 5/1 - 5/31 for invoice M00030173.
Amount:	\$586.59
Component Description:	Montly rental of storage trailers to securely store transmission equipment and line for the period of 6/1 - 6/30 for invoice M00032629
Amount:	\$567.35
Component Description:	M00032831 moves one trailer back to KW Studio from Tower Site for security purposes. Moves two trailers back to Milestone Yard. Requesting less due to vendor's inability to verify rate for trailer U688651 - See attachment cover letter.
Amount:	\$390.00
Component Description:	Rent for trailer 3 of 3 for 7/1 - 7/13. Invoice M00035261. See attachment for explanation of rate.
Amount:	\$83.34
Component Description:	Pick up trailer 3 of 3 from OKC to back to Milestone's yard. Invoice M00033118
Amount:	\$130.00
Component Description:	Revised w/cover letter - Milestone Leasing - Pick up trailers at KW Studio to deliver to Customer Location at Tower Site. Invoice #M00030546
Amount:	\$587.50

	<p>Component Description:</p> <p>Delivery to KWTv station 3 x 53' tractor trailers to securely store repack equipment. KW Equipment Storage Invoice_Quote_VendorW9_041618.pdf</p> <p>Amount:</p> <p>\$390.00</p>
Electrical work to remove Staco	<p>Component Description:</p> <p>Electrical work necessary to remove a staco unit from the CH39 transmitter to make room for equipment associated with the new CH25 transmitter. Item 2 on Quote.</p> <p>Amount:</p> <p>\$2,950.00</p>
Electrical Work for New KW Transmission Equipment	<p>Component Description:</p> <p>Electrical work for KW new transmission equipment</p> <p>Amount:</p> <p>\$1,566.77</p>
Electrical Permit	<p>Component Description:</p> <p>Item 13 on Quote - Electrician permit - Shawver Son Inc.</p> <p>Amount:</p> <p>\$250.00</p>
Aux Antenna - Line Sweep	<p>Component Description:</p> <p>Marsand KWTv Aux Antenna - Line Sweep 091118 post install.</p> <p>Amount:</p> <p>\$3,500.00</p>

<p>American Tower Other Costs</p>	<table> <tr> <td data-bbox="569 91 1007 595"> <p>Component Description:</p> </td><td data-bbox="1007 91 1495 595"> <p>MS2 50% Capital Contribution from broadcaster (KWTv-DT) for Site Coordination Meeting - Professional Services. As per schedule / customer project cost estimation on page two in the PDF attached to this component. Reference 1-B-1</p> </td></tr> <tr> <td data-bbox="569 595 1007 1043"> <p>Amount:</p> </td><td data-bbox="1007 595 1495 1043"> <p>\$1,250.00</p> </td></tr> <tr> <td data-bbox="569 1043 1007 1413"> <p>Component Description:</p> </td><td data-bbox="1007 1043 1495 1413"> <p>MS1 25% Capital Contribution from broadcaster (KWTv-DT) for Outside RF Consulting and Other Professional Services. As per schedule / customer project cost estimation on page two in the PDF attached to this component. Reference 1-A-1, 1-A-3, 1-B-1</p> </td></tr> <tr> <td data-bbox="569 1413 1007 1906"> <p>Amount:</p> </td><td data-bbox="1007 1413 1495 1906"> <p>\$625.00</p> </td></tr> </table>	<p>Component Description:</p>	<p>MS2 50% Capital Contribution from broadcaster (KWTv-DT) for Site Coordination Meeting - Professional Services. As per schedule / customer project cost estimation on page two in the PDF attached to this component. Reference 1-B-1</p>	<p>Amount:</p>	<p>\$1,250.00</p>	<p>Component Description:</p>	<p>MS1 25% Capital Contribution from broadcaster (KWTv-DT) for Outside RF Consulting and Other Professional Services. As per schedule / customer project cost estimation on page two in the PDF attached to this component. Reference 1-A-1, 1-A-3, 1-B-1</p>	<p>Amount:</p>	<p>\$625.00</p>
<p>Component Description:</p>	<p>MS2 50% Capital Contribution from broadcaster (KWTv-DT) for Site Coordination Meeting - Professional Services. As per schedule / customer project cost estimation on page two in the PDF attached to this component. Reference 1-B-1</p>								
<p>Amount:</p>	<p>\$1,250.00</p>								
<p>Component Description:</p>	<p>MS1 25% Capital Contribution from broadcaster (KWTv-DT) for Outside RF Consulting and Other Professional Services. As per schedule / customer project cost estimation on page two in the PDF attached to this component. Reference 1-A-1, 1-A-3, 1-B-1</p>								
<p>Amount:</p>	<p>\$625.00</p>								
<p>AirTech - Existing Cooler Move</p>	<table> <tr> <td data-bbox="569 1043 1007 1312"> <p>Component Description:</p> </td><td data-bbox="1007 1043 1495 1312"> <p>Existing Glycol Fluid Cooler for the CH39 transmitter needed to be moved to make space for the cooler system associated with our new CH25 transmitter.</p> </td></tr> <tr> <td data-bbox="569 1312 1007 1413"> <p>Amount:</p> </td><td data-bbox="1007 1312 1495 1413"> <p>\$2,880.00</p> </td></tr> </table>	<p>Component Description:</p>	<p>Existing Glycol Fluid Cooler for the CH39 transmitter needed to be moved to make space for the cooler system associated with our new CH25 transmitter.</p>	<p>Amount:</p>	<p>\$2,880.00</p>				
<p>Component Description:</p>	<p>Existing Glycol Fluid Cooler for the CH39 transmitter needed to be moved to make space for the cooler system associated with our new CH25 transmitter.</p>								
<p>Amount:</p>	<p>\$2,880.00</p>								
<p>Develop and air announcement of upcoming channel change</p>	<table> <tr> <td data-bbox="569 1413 1007 1805"> <p>Component Description:</p> </td><td data-bbox="1007 1413 1495 1805"> <p>Prepare viewer notification certification for KW. Request for only KWTv Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTv 399.</p> </td></tr> <tr> <td data-bbox="569 1805 1007 1906"> <p>Amount:</p> </td><td data-bbox="1007 1805 1495 1906"> <p>\$200.00</p> </td></tr> </table>	<p>Component Description:</p>	<p>Prepare viewer notification certification for KW. Request for only KWTv Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTv 399.</p>	<p>Amount:</p>	<p>\$200.00</p>				
<p>Component Description:</p>	<p>Prepare viewer notification certification for KW. Request for only KWTv Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTv 399.</p>								
<p>Amount:</p>	<p>\$200.00</p>								
<p>Equipment Delivery and Handling Charges</p>									

Component Description:	GatesAir invoice US0321474 for the final freight bill on KWTVs repack transmitter equipment shipments.
Amount:	\$14,494.33

Component Description:	FEDEX Freight For Three Cut Sections - Too long for overnight delivery. RFREIGHT
Amount:	\$1,265.69

Component Description:	UPS NDA for Hangers
Amount:	\$2,051.41

Component Description:	UPS NDA for Test Transistion and One Elbow
Amount:	\$2,164.29

Component Description:	UPS NDA for four elbows shipped from storage.
Amount:	\$3,904.12

Component Description:	Freight to KWTV SITE, Antenna and TL / Freight for AUX Combiner to KWTV SITE. Items No. 52-55 on invoice. 33% ARO
Amount:	\$24,180.42

Component Description:	# Verifying Invoice 194003 with Vendor due to Equipment and Shipping Cost not matching Quote 10162018 # UPS NDA for Test Transistion and One Elbow
Amount:	\$2,164.29

	<p>Component Description: # Verifying Invoice 194003 with Vendor due to Equipment and Shipping Cost not matching Quote 10162018 # FEDEX Freight For Three Cut Sections - Too long for overnight delivery.</p> <p>Amount: \$1,265.69</p>
	<p>Component Description: # Verifying Invoice 194003 with Vendor due to Equipment and Shipping Cost not matching Quote 10162018 # UPS NDA for Hangers</p> <p>Amount: \$2,051.41</p>
	<p>Component Description: Freight to KWTv SITE, Antenna and TL / Freight for AUX Combiner to KWTv SITE. Items No. 52-55 on invoice. 33% Prior to Shipping.</p> <p>Amount: \$24,180.42</p>
	<p>Component Description: # Verifying Invoice 194003 with Vendor due to Equipment and Shipping Cost not matching Quote 10162018 # UPS NDA for four elbows shipped from storage.</p> <p>Amount: \$3,904.12</p>
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
Local Zoning	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.

FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Form 2100 minor change CP application	Component Description: Amount:	FCC Filing Fees - KW Aux CP App. Request for only KWTW Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTW 399. \$1,070.00
DTV Medical Facility Notification	Component Description: Amount:	Medical Notification Letters invoice and quote. \$0.70 a letter. \$2,316.80
CP Extension Fees	Component Description: Amount: Component Description: Amount:	CP extension and fee for filing. Request for only KWTW Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTW 399. \$370.00 CP Extension work. Request for only KWTW Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTW 399. \$1,328.00

MVPD Notification of Channel Change	<table> <tr> <td data-bbox="582 168 1013 392">Component Description:</td><td data-bbox="1013 168 1495 392">Request for only KWTB Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTB 399.</td></tr> <tr> <td data-bbox="582 403 1013 459">Amount:</td><td data-bbox="1013 403 1495 459">\$278.50</td></tr> <tr> <td data-bbox="582 548 1013 672">Component Description:</td><td data-bbox="1013 548 1495 672">MVPD Notification Letter invoice. Refer to quote KWTB MVPD.pdf in the attachments of this 399 form.</td></tr> <tr> <td data-bbox="582 672 1013 728">Amount:</td><td data-bbox="1013 672 1495 728">\$500.00</td></tr> </table>	Component Description:	Request for only KWTB Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTB 399.	Amount:	\$278.50	Component Description:	MVPD Notification Letter invoice. Refer to quote KWTB MVPD.pdf in the attachments of this 399 form.	Amount:	\$500.00
Component Description:	Request for only KWTB Repacking fees associated with form preparation. Invoice more than request due to firm working other items for Griffin Licensing not being filed through KWTB 399.								
Amount:	\$278.50								
Component Description:	MVPD Notification Letter invoice. Refer to quote KWTB MVPD.pdf in the attachments of this 399 form.								
Amount:	\$500.00								
Tower Mapping	<table> <tr> <td data-bbox="582 840 1013 1041">Component Description:</td><td data-bbox="1013 840 1495 1041">Tower Mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study.</td></tr> <tr> <td data-bbox="582 1041 1013 1097">Amount:</td><td data-bbox="1013 1041 1495 1097">\$12,400.00</td></tr> </table>	Component Description:	Tower Mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study.	Amount:	\$12,400.00				
Component Description:	Tower Mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study.								
Amount:	\$12,400.00								
Dielectric Invoice 393006	<table> <tr> <td data-bbox="582 1209 1013 1288">Component Description:</td><td data-bbox="1013 1209 1495 1288">Trans Line - RFREIGHT - Refer to Cover Letter</td></tr> <tr> <td data-bbox="582 1288 1013 1344">Amount:</td><td data-bbox="1013 1288 1495 1344">\$1,813.50</td></tr> </table>	Component Description:	Trans Line - RFREIGHT - Refer to Cover Letter	Amount:	\$1,813.50				
Component Description:	Trans Line - RFREIGHT - Refer to Cover Letter								
Amount:	\$1,813.50								
Dielectric Invoice 369041	<table> <tr> <td data-bbox="582 1467 1013 1545">Component Description:</td><td data-bbox="1013 1467 1495 1545">Trans Rigid - RFREIGHT - Refer to Cover Letter</td></tr> <tr> <td data-bbox="582 1545 1013 1601">Amount:</td><td data-bbox="1013 1545 1495 1601">\$1,569.19</td></tr> </table>	Component Description:	Trans Rigid - RFREIGHT - Refer to Cover Letter	Amount:	\$1,569.19				
Component Description:	Trans Rigid - RFREIGHT - Refer to Cover Letter								
Amount:	\$1,569.19								
Dielectric Invoice 348013	<table> <tr> <td data-bbox="582 1724 1013 1780">Component Description:</td><td data-bbox="1013 1724 1495 1780">RFREIGHT - Refer to Cover Letter</td></tr> <tr> <td data-bbox="582 1780 1013 1825">Amount:</td><td data-bbox="1013 1780 1495 1825">\$7,186.79</td></tr> </table>	Component Description:	RFREIGHT - Refer to Cover Letter	Amount:	\$7,186.79				
Component Description:	RFREIGHT - Refer to Cover Letter								
Amount:	\$7,186.79								
Dielectric Invoice 345001	<table> <tr> <td data-bbox="582 1937 1013 2004">Component Description:</td><td data-bbox="1013 1937 1495 2004">Rigid Trans Line - Elbow - Refer to Cover Letter</td></tr> <tr> <td data-bbox="582 2004 1013 2049">Amount:</td><td data-bbox="1013 2004 1495 2049">\$20,103.75</td></tr> </table>	Component Description:	Rigid Trans Line - Elbow - Refer to Cover Letter	Amount:	\$20,103.75				
Component Description:	Rigid Trans Line - Elbow - Refer to Cover Letter								
Amount:	\$20,103.75								

Dielectric
Invoice 252032

Component Description:

Feed Through Complex KW Main -
Refer to Cover Letter

Amount:

\$16,650.00

**Cost
Information**

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$5,654,665.07	\$5,427,060.28	\$3,669,749.95

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>Trevor L Wiseman <i>VP of Technology</i></p> <p>03/11/2019</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.
8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

<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>Trevor L Wiseman <i>VP of Technology</i></p> <p>03/11/2019</p>

Attachments