



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **13960** | Service: **DTV** | Call **WISE-TV** | Channel: **34 (UHF)** |
ID: | Sign:
File **0000027871**
Number:
FRN: **0018223693** | Date **03/29**
Submitted: **/2018**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
SAGAMOREHILL OF INDIANA LICENSES, LLC	Louis Wall 525 Blackburn Drive AUGUSTA, GA 30907 United States	+1 (706) 922-5644	louis@shbtv. 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
Tony zumMallen <i>QCommunications, LLC</i>	Tony zumMallen 705B SE Melody LN #314 Lees Summit, MO 64063 United States	+1 (816) 729- 1177	tony@qcom1. 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	To transition from ch 18 to ch 34, tests by Resonant Results, LTD say ANT and TX line can be retuned. New TX and associated systems are needed. An interim system (ant, TX and line) is required. Combiner needed to share with WPTA.

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
	Year	1998
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	21.1 kW

**Primary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-60
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	38 kW
	Justification for New Transmitter	Transmitter is not tunable per the manufacturer. See Exhibits Y and Z for details from GatesAir and Comark.

**Primary
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	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	800.0 feet

	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	25 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	200.0 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

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Disconnect existing Transmitter	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.
Security - Site	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.
Site Survey - TX	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.
Transmitter - Training	Transmitter training - offsite - 1 week in duration at mfg site.
Freight	Freight from mfg to staging area

Sales Tax for EQ	Sales Tax for EQ
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**Interim
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	UAXTE-30
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	21 kW
	Justification for New Transmitter	Interim facility is required to avoid prolonged period of station silence during transition, and station currently has no aux facility to use for interim operation. Extended silent period during transition to new channel is unreasonable.

**Interim
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	2 inches
	Length	800.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	25 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	Yes

Interim Transmitter

Other Transmitter Cost Not Listed

Name	Description
Sales Tax	Sales tax for eq
Freight	Freight from mfg to staging area

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	Retune Existing
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	WPTA License, LLC
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	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	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Other
	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	Omni-Directional
ERP: (Effective Radiated Power)	320.0 kW
Manufacturer	Dielectric
Model	TUA-O4-10 /40H-T-1R
Year	2001

Facility ID's and Call Signs of all stations with whom the antenna is shared.

Facility ID	Call Sign
73905	WPTA

Primary Antenna

Adjustment to Existing Antenna

Section	Question	Response
Sweep Test of Existing Antenna	Do you need a sweep test of existing antenna?	Yes

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	2
	Frequencies of channels supported	RF channel
	Frequency	N/A

Enter a list of RF channel numbers.

RF Channel Number
24
34

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
Retune Antenna	Per Resonant Results, Ltd. Field report 2/21 /2017 see EX V for pricing quote

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?	Yes
	Is antenna directional?	No
	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 Slot
	Number of Stations Supported	1

Number of Panels/Bays	8
Lower Limit	470.00 MHz
Upper Limit	698.00 MHz
Design power capacity in use	100.0 %
Other Antenna Type	N/A
ERP: (Effective Radiated Power)	45.0 kW
Manufacturer	
Model	TFU-8-WB
Year	2017
Justification for New Antenna	Interim facility is required to avoid prolonged period of station silence during transition, and station currently has no aux facility to use for interim operation. Extended silent period during transition to new channel is unreasonable.

Interim 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?	B
	Feed Line Size	4 1/16 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

**Interim
Antenna**

Other Antenna Cost Not Listed

Name	Description
FREIGHT	FREIGHT FROM MFG TO STAGING AREA

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	Utilize Existing
	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	Dielectric
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	797 feet per run

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Refurbish Transmission Line	Per Resonant Results Ltd, field report dated 2/21/2017 - See Exhibits - W and X - engineering reports.
Disconnect existing Interior RF components	Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.

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	4 1/16 inches
	Segment Length	19 ½ '
	Other Segment Length	
	Number of parallel runs	1
	Length	775 feet per run

	Justification for New Transmission Line	Interim facility is required to avoid prolonged period of station silence during transition, and station currently has no aux facility to use for interim operation. Extended silent period during transition to new channel is unreasonable.
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Interim **Other Transmission Line Expenses Not Listed**
Transmission Line 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	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1029441
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	41° 06' 08.0" N-
	Longitude (NAD83)	085° 11' 05.0" W-
	Overall Structure Height	770.99 feet
	Support Structure Height	725.06 feet
	Ground Elevation Above Mean Sea Level (AMSL)	796.91 feet

	Structure Type	TOWER - Free Standing or Guyed Structure
	Tower Owner	WPTA Television, Inc.
	Date Constructed	01/01/1957

**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
73905	WPTA	DTV

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Major 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
Information not provided.

**Outside
Professional Services Costs**

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	393
	Explanation	Scope & significance of project (QMI has multiple stations repacked) require outside management services to augment existing internal personnel to assist turnkey management of and ensure timely and safe execution of channel relocation.
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	4
	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	4
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes

RF exposure measurements	No
Additional Field Engineering Service	No
Number of Days	N/A
Justification	N/A

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Quarterly reporting -Atty	Preparation and submittal of the FCC required quarterly report 387 attorney. We est. 10qtrs for WISE at \$750/qtr.
Vendor Travel Expenses	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project - see quote for estimated expenses.

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses	Other Expenses Not Listed Information not provided.
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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 UAXTE-30	\$1,292,360.44	\$1,230,660.44		\$406,725.39	
UHF inside RF system including switching	\$147,500.00	\$140,000.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$900,000.00	N/A	\$374,386.78	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$20,800.00	\$20,000.00	N/A	N/A	N/A
25 Ton system	\$91,500.00	\$87,000.00	Required the the new interim transmitter will be placed in a room that is not currently equipped with necessary HVAC ventilation to operate a transmitter.	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$3,331.66	N/A

Sales Tax	\$39,660.44	\$39,660.44	EST SALES TAX wise interim eq	\$26,440.29	N/A
Freight	\$7,700.00	\$7,700.00	Freight from mfg to staging area per Q-73719	\$2,566.66	N/A
Primary Transmitter ULXTE-60	\$1,852,348.42	\$1,769,648.42		\$411,941.95	
Sales Tax for EQ	\$80,848.42	\$80,848.42	Sales Tax for WISE - Main TX eq per MFG est and inv.	\$26,949.47	N/A
Freight	\$11,000.00	\$11,000.00	FREIGHT EST PER Q- 73718	N/A	N/A
Transmitter - Training	\$3,300.00	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A	N/A
Site Survey - TX	\$25,000.00	\$25,000.00	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.	N/A	N/A

Security - Site	\$17,500.00	\$17,500.00	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.	N/A	N/A
Disconnect existing Transmitter	\$20,000.00	\$20,000.00	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	N/A	N/A
Other -- Building Addition Size: 200.0	\$20,000.00	\$20,000.00	Necessary to transition the interim and final transmitter installation locations.	N/A	N/A
25 Ton system	\$91,500.00	\$87,000.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,400,000.00	N/A	\$366,553.70	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	\$14,878.87	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	\$3,559.91	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$20,800.00	\$20,000.00	N/A	N/A	N/A
Sub-total	\$3,144,708.86	\$3,000,308.86	N/A	\$818,667.34	N/A
Total for all systems	\$4,535,292.36	\$4,372,188.36	N/A	\$1,055,984.63	N/A

Components

Actual Information	
Description	File Name
UHF inside RF system including switching	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	<div> Component Description: WISE-GATES- INTERIM TX - INV FOR TX - LINES A, B AND D FOR Q-73719 Amount: \$187,193.39 </div> <div> Component Description: WISE-GATES- INTERIM TX - 2ND INV FOR TX - LINES A, B AND D FOR Q-73719 Amount: \$187,193.39 </div>
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
25 Ton system	Information not provided.

Switchgear - industrial 800 amp	<div> <div> Component Description: </div> <div> WISE-GATES- INTERIM-1/3 FOR ELEC LINE C OF Q-73719 </div> </div> <div> Amount: </div> <div> \$1,665.83 </div>
	<div> <div> Component Description: </div> <div> WISE-GATES- INTERIM-2ND INV FOR ELEC LINE C OF Q- 73719 </div> </div> <div> Amount: </div> <div> \$1,665.83 </div>
Sales Tax	<div> <div> Component Description: </div> <div> WISE-GATES- INTERIM INV 1/3 FOR UPLOADED QUOTE Q-73719 </div> </div> <div> Amount: </div> <div> \$13,220.14 </div>
	<div> <div> Component Description: </div> <div> WISE-GATES- INTERIM 2ND INV FOR SALES TAX- QUOTE Q-73719 </div> </div> <div> Amount: </div> <div> \$13,220.15 </div>
Freight	<div> <div> Component Description: </div> <div> WISE-GATES-INT- 2ND INV- TE10004484-2 - FREIGHT - SEE Q-73719 </div> </div> <div> Amount: </div> <div> \$2,566.66 </div>
Sales Tax for EQ	<div> <div> Component Description: </div> <div> WISE- GATES- MAIN TX- sales tax per inv est. </div> </div> <div> Amount: </div> <div> \$26,949.47 </div>
Freight	Information not provided.

Transmitter - Training	Information not provided.
Site Survey - TX	Information not provided.
Securirty - Site	Information not provided.
Disconnect existing Transmitter	Information not provided.
Other -- Building Addition Size: 200.0	Information not provided.
25 Ton system	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	<div> Component Description: WISE- MAIN-TX- INV - FOR LINES A B AND E OF Q-73718, UPLOADED </div> <div> Amount: \$366,553.70 </div>
Service entrance 3 phase /800 amp/208 volt	Information not provided.
Switchgear - industrial 800 amp	<div> Component Description: WISE-GATES- MAIN-TX - INV - FOR QUOTE Q-73718 LINE C. </div> <div> Amount: \$14,878.87 </div>
Transformer 3 phase/480v - 300 KVA	<div> Component Description: WISE-GATES_ MAIN TX - ELEC per uploaded Q-73718 line C. </div> <div> Amount: \$3,559.91 </div>
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

Cost Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-8-WB	\$183,317.50	\$181,027.50		\$56,407.50	
UHF - High Power, Side Mount, basic slot antenna, 8 bay,, 45 kW input, horizontally polarized	<i>\$135,000.00</i>	\$135,000.00	Entered Catalog of Costs dollar amount. For some reason the form stated \$0.00 in the Predetermined block for the replacement Primary antenna. Not sure why. We tried many options to alleviate the situation an none but adding the EST cost cured the issue.	\$44,925.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	N/A	N/A

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	\$10,950.00	\$10,400.00	N/A	\$9,255.00	N/A
FREIGHT	\$2,227.50	\$2,227.50	FREIGHT FROM MFG TO STAGING AREA - INV 93050	\$2,227.50	N/A
Primary Antenna TUA-O4-10 /40H-T-1R	\$117,830.00	\$192,600.00		\$0.00	
UHF - High Power Top Mount One Station antenna horizontally polarized	\$0.00	\$0.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$160,000.00	\$80k per Catalog of cost - \$80k for each channel 24 and 34.	N/A	N/A

Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$13,000.00	N/A	N/A	N/A
Retune Antenna	\$13,200.00	\$13,200.00	Retune Antenna estimated cost per EX V - PCI estimate e17449-5A.	N/A	N/A
Sub-total	\$301,147.50	\$373,627.50	N/A	\$56,407.50	N/A
Total for all systems	\$4,535,292.36	\$4,372,188.36	N/A	\$1,055,984.63	N/A

Components

Actual Information	
Description	File Name

<p>UHF - High Power, Side Mount, basic slot antenna, 8 bay,, 45 kW input, horizontally polarized</p>	<table> <tr> <td data-bbox="713 174 1023 208">Component Description:</td><td data-bbox="1155 174 1358 405">WISE-DIE-INTERIM ANT-2nd INV LINE 1 - MAN00114 3-28 uploaded Order Conf # 407003</td></tr> <tr> <td data-bbox="713 416 823 450">Amount:</td><td data-bbox="1155 416 1289 450">\$20,216.25</td></tr> <tr> <td data-bbox="713 555 1023 589">Component Description:</td><td data-bbox="1155 555 1382 786">WISE-DIELECTRIC-INT-BALANCE INV 93050 LINE 1 3-29-uploaded DIE Order Conf 405003</td></tr> <tr> <td data-bbox="713 797 823 831">Amount:</td><td data-bbox="1155 797 1276 831">\$4,492.50</td></tr> <tr> <td data-bbox="713 936 1023 969">Component Description:</td><td data-bbox="1155 936 1334 1081">INTERIM ANT-WISE-45 PERCENT INV LINE 1</td></tr> <tr> <td data-bbox="713 1093 823 1126">Amount:</td><td data-bbox="1155 1093 1289 1126">\$20,216.25</td></tr> </table>	Component Description:	WISE-DIE-INTERIM ANT-2nd INV LINE 1 - MAN00114 3-28 uploaded Order Conf # 407003	Amount:	\$20,216.25	Component Description:	WISE-DIELECTRIC-INT-BALANCE INV 93050 LINE 1 3-29-uploaded DIE Order Conf 405003	Amount:	\$4,492.50	Component Description:	INTERIM ANT-WISE-45 PERCENT INV LINE 1	Amount:	\$20,216.25
Component Description:	WISE-DIE-INTERIM ANT-2nd INV LINE 1 - MAN00114 3-28 uploaded Order Conf # 407003												
Amount:	\$20,216.25												
Component Description:	WISE-DIELECTRIC-INT-BALANCE INV 93050 LINE 1 3-29-uploaded DIE Order Conf 405003												
Amount:	\$4,492.50												
Component Description:	INTERIM ANT-WISE-45 PERCENT INV LINE 1												
Amount:	\$20,216.25												
<p>Sweep test of existing antenna</p>	<p>Information not provided.</p>												
<p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>												
<p>Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)</p>	<p>Information not provided.</p>												

Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	<div> Component Description: WISE - DIE- INTERIM-ELBOW- LINE 16 - INV93050 BALANCE </div> <div> Amount: \$925.50 </div>
	<div> Component Description: WISE - DIE- INTERIM-ELBOW- LINE 17 - MAN00114 </div> <div> Amount: \$4,164.75 </div>
	<div> Component Description: ELBOW-WISE MAIN INV 45 PERCENT LINE 17 </div> <div> Amount: \$4,164.75 </div>
FREIGHT	<div> Component Description: WISE-DIE- FREIGHT-INT- INV93050 </div> <div> Amount: \$2,227.50 </div>
UHF - High Power Top Mount One Station antenna horizontally polarized	Information not provided.
Sweep test of existing antenna	Information not provided.
New combiner, cost per channel (without antenna)	Information not provided.
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.
Retune Antenna	Information not provided.

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$110,050.00	\$104,625.00		\$79,487.10	
Rigid Transmission Line - copper, 4 1/16"	\$110,050.00	\$104,625.00	N/A	\$79,487.10	N/A
Primary Transmission Line	\$63,900.00	\$63,900.00		\$53,276.14	
Disconnect existing Interior RF components	<i>\$12,500.00</i>	\$12,500.00	Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.	N/A	N/A
Refurbish Transmission Line	<i>\$51,400.00</i>	\$51,400.00	EST to refurbish the existing Transmission line to meet the necessary specifications as per the 2/21/17, Field report by Resonant Results, Ltd.	\$53,276.14	OVERAGE DUE TO SALES TAX AND FRIEGHT THAT WAS NOT ACCOUNTED FOR ON THE ORIGINAL PROJECT QUOTE. TOTAL-1,876.14

Sub-total	\$173,950.00	\$168,525.00	N/A	\$132,763.24	N/A
Total for all systems	\$4,535,292.36	\$4,372,188.36	N/A	\$1,055,984.63	N/A

Components

Actual Information	
Description	File Name
Rigid Transmission Line - copper, 4 1/16"	Component Description:
	WISE-DIE- INTERIM- LINE -2 nd invoice - MAN00114 - LINES 2 and 19
	Amount:
	\$36,796.10
	Component Description:
	WISE-DIE- INTERIM- LINE - BALANCE invoice - 93050 - LINE 2
	Amount:
	\$5,894.90
	Component Description:
	LINE INTERIM- LINE 2 DEPOSIT INV 45 PERCENT WISE
	Amount:
	\$36,796.10
Disconnect existing Interior RF components	Information not provided.

Refurbish Transmission Line

Component Description: 3OF3 LINE
REFURB INV
WISE
Amount: \$17,766.15

Component Description: 1OF3 LINE
REFUB INV WISE
Amount: \$18,329.10

Component Description: 2OF3 LINE
REFURB INV
WISE
Amount: \$17,180.89

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	\$644,100.00	\$570,400.00		\$20,400.00	
Structural engineering tower load study for well documented tower	\$12,600.00	\$20,400.00	FAILING TOWER ANALYSIS REQUIRED NEW DRAWINGS AND ANALYSIS AS WE TRIED TO ENGINEER OUT OF A NEW TOWER	\$20,400.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	N/A	N/A
Major tower reinforcement /modifications	\$421,000.00	\$350,000.00	See EX V - PCI estimate for Interim Mod's - Major.	N/A	N/A
Sub-total	\$644,100.00	\$570,400.00	N/A	\$20,400.00	N/A
Total for all systems	\$4,535,292.36	\$4,372,188.36	N/A	\$1,055,984.63	N/A

Components

Actual Information	
Description	File Name

Structural engineering tower load study for well documented tower	<div> <div> Component Description: </div> <div> WISE-TOWER ANALYSIS -PJ FORD-SEE PO 19985 AND QUOTE UPLOADED </div> </div> <div> Amount: </div> <div> \$3,900.00 </div> <div> Component Description: </div> <div> WISE-FORD-TOWER DRAWING FOR TOWER ANALYSIS-INV 202415 </div> <div> Amount: </div> <div> \$16,500.00 </div>
Tall Tower (greater than 500')	Information not provided.
Major 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	\$211,306.00	\$199,812.00		\$27,746.55	
Quarterly reporting -Atty	<i>\$7,500.00</i>	\$7,500.00	Preparation and submittal of the FCC required quarterly report 387 by attorney. We estimate that Phase 6 will require 10 quarters@\$750 of report 387 submittals.	\$0.00	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	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	\$1,650.00	N/A

Prepare request for Special Temporary Authorization	\$8,200.00	\$6,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$4,760.00	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 request for Special Temporary Authorization	\$14,720.00	\$14,000.00	N/A	N/A	N/A
Vendor Travel Expenses	\$9,612.00	\$9,612.00	Reimbursable Vendor Travel expenses for working in the field on behalf of the station for the Repack project - see quote for estimated expenses.	\$2,254.55	N/A

Project management of the transition	\$62,094.00	\$58,950.00	N/A	\$16,230.00	PLEASE DELETE PRIOR TO SUBMIT FOR DEPOS INVOIC QC17-1 THES WERI SUBMIT PRIOR THE 12-17 FA GUIDAN
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$2,100.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	\$752.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Sub-total	\$211,306.00	\$199,812.00	N/A	\$27,746.55	N/A
Total for all systems	\$4,535,292.36	\$4,372,188.36	N/A	\$1,055,984.63	N/A

Components

Actual Information	
Description	File Name
Quarterly reporting -Atty	Information not provided.

Comprehensive coverage verification via field study, if needed	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	<p>Component Description: WISE - ENGR NEW CH-CP</p> <p>Amount: \$1,650.00</p>
Prepare request for Special Temporary Authorization	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	<p>Component Description: LEGAL WILEY JUNE17 WISE</p> <p>Amount: \$1,962.50</p> <p>Component Description: LEGAL JULY17 WILEY WISE</p> <p>Amount: \$1,995.00</p> <p>Component Description: LEGAL WILEY AUG17-WISE</p> <p>Amount: \$392.50</p> <p>Component Description: LEGAL APRIL17 WILEY-WISE</p> <p>Amount: \$410.00</p>
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.

Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Vendor Travel Expenses	Component Description: Amount:	WISE-QCOMM-PM-TRAVEL INV- QC17-151- ITEM 1010-1015 SEE QC17006 \$2,254.55
Project management of the transition	Component Description: Amount: Component Description: Amount:	PM-WISE 50 PERCENT DEPOSIT INV \$29,147.50 WISE-QCOMM-PM-INV QC17-151-MAR-AUG17 \$16,230.00
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	WISE-ENGR-NEW CHANNEL \$2,100.00

<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<table> <tr> <td data-bbox="691 98 1098 376"> <p>Component Description:</p> </td><td data-bbox="1098 98 1428 376"> <p>OPERATIONAL MEETING ATTY OF QMI AND SAGAMOREHILL - WISE</p> </td></tr> <tr> <td data-bbox="691 376 1098 465"> <p>Amount:</p> </td><td data-bbox="1098 376 1428 465"> <p>\$141.00</p> </td></tr> <tr> <td data-bbox="691 510 1098 689"> <p>Component Description:</p> </td><td data-bbox="1098 510 1428 689"> <p>WISE- BROOKS- legal- shared services inv 3944698</p> </td></tr> <tr> <td data-bbox="691 689 1098 779"> <p>Amount:</p> </td><td data-bbox="1098 689 1428 779"> <p>\$188.00</p> </td></tr> <tr> <td data-bbox="691 824 1098 981"> <p>Component Description:</p> </td><td data-bbox="1098 824 1428 981"> <p>OPERATIONAL MEETING QMI AND SAGAMOREHILL ATTY</p> </td></tr> <tr> <td data-bbox="691 981 1098 1025"> <p>Amount:</p> </td><td data-bbox="1098 981 1428 1025"> <p>\$611.00</p> </td></tr> </table>	<p>Component Description:</p>	<p>OPERATIONAL MEETING ATTY OF QMI AND SAGAMOREHILL - WISE</p>	<p>Amount:</p>	<p>\$141.00</p>	<p>Component Description:</p>	<p>WISE- BROOKS- legal- shared services inv 3944698</p>	<p>Amount:</p>	<p>\$188.00</p>	<p>Component Description:</p>	<p>OPERATIONAL MEETING QMI AND SAGAMOREHILL ATTY</p>	<p>Amount:</p>	<p>\$611.00</p>
<p>Component Description:</p>	<p>OPERATIONAL MEETING ATTY OF QMI AND SAGAMOREHILL - WISE</p>												
<p>Amount:</p>	<p>\$141.00</p>												
<p>Component Description:</p>	<p>WISE- BROOKS- legal- shared services inv 3944698</p>												
<p>Amount:</p>	<p>\$188.00</p>												
<p>Component Description:</p>	<p>OPERATIONAL MEETING QMI AND SAGAMOREHILL ATTY</p>												
<p>Amount:</p>	<p>\$611.00</p>												
<p>Prepare and or review reimbursement form</p>	<p>Information not provided.</p>												

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	\$60,080.00	\$59,515.00		\$0.00	
MVPD Notification of Channel Change	<i>\$5,000.00</i>	\$5,000.00	Required FCC notification.	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$15,000.00</i>	\$15,000.00	Required FCC announcements and good will public relations must be upheld. The production airing and disseminating of these announcements are fundamental to our operations.	N/A	N/A
Equipment Storage	<i>\$10,000.00</i>	\$10,000.00	Expecting multiple staggered equipment deliveries from different vendors and need to store and stage new equipment prior to installation date. Anticipate from 6-24 months of storage time.	N/A	N/A

Equipment Delivery and Handling Charges	\$8,000.00	\$8,000.00	Transport, forklift rental and handling fees from staging area to transmitter site.	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$10,000.00	\$10,000.00	40 yard disposal bin on site to capture all waste from on site system integration and tower vendors with multiple pick up for at least 6 months on site.	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
Sub-total	\$60,080.00	\$59,515.00	N/A	\$0.00	N/A
Total for all systems	\$4,535,292.36	\$4,372,188.36	N/A	\$1,055,984.63	N/A

Components

Information not provided.

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$4,535,292.36	\$4,372,188.36	\$1,055,984.63

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>BRADY DREASLER CORPORATE DIRECTOR OF ENGINEERING</p> <p>03/29/2018</p>

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

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

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

Attachments