

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID:	13960	Service: DTV	Call Sign:	WISE-TV	Channel: 34 (UHF)
File Number:	000002	7871			
FRN: 00 1	8223693	Date Submitted:	06/11 /2018		

Applicant Name, Type, and Contact Information

Applicant 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 Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Preparer Contact Name and Information

Contact Information	Applicant	Address	Phone	Email
	Tony zumMallen QCommunications, LLC	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	Existing Transmitter Information				
Transmitter	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			
	Manufacturer and Type	Model	Sigma		
		Year	1998		
		Туре	Inductive Output Tube		
		IOT Power Type	Two		
		Power Capacity	21.1 kW		

Existing Transmitter Information

Primary	New Transmitter Costs			
Transmitter	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	Other Transmitter Costs				
Transmitter	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
	Туре	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 leashold 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
Sales Tax for EQ	Sales Tax for EQ
Freight	Freight from mfg to staging area
Transmitter - Training	Transmitter training - offsite - 1 week in duration at mfg site.
Securirty - Site	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.
Disconnect existing Transmitter	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.

Site Survey - TX

Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.

Interim	New Transmitter Costs			
Transmitter	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	Other Transmitter Costs			
Transmitter	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
	Туре	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 leashold 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	Other Transmitter Cost Not Listed		
Transmitter	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

Existing Antenna Information

Primary

Antenna			
	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
		Туре	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 Adjustment to Existing Antenna

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

Primary Other Antenna Costs

Antenna	Section	Question	Response
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
		Туре	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

Interim

Other Antenna Cost Not Listed

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

New Antenna Costs

Antenna	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	Class	Full Power
	Manufacturer and Type	Mounting	Side Mount
		Antenna position in stack	Not in Stack
		Polarization	Horizontal
		Туре	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 Other Antenna Costs

Antenna	Section	Question	Response
	Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
		Туре	

	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?	в
	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	

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Existing Transmission Line Primary Existing Transmission

sior	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	Manufacturer	Dielectric
	Line Manufacturer and Type	Туре	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 Other Transmission Line Expenses Not Listed Transmission

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.

New Transmission Line Transmission Line

nsmission	Section	Question	Response
	New Transmission Line Costs	Use	Interim
Costs		Description of Use	N/A
		Change Type	Purchase New
		Туре	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

Other Transmission Line Expenses Not Listed Transmission

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

marv	Existing	Tower
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Primary	Existing Tower			
Tower	Section	Question	Response	
	Existing Tower Description	Type of change	Construct New	
		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 Construction Costs					
Tower	Section	Question	Response			
Cons	Construct New Tower	Use	Primary (Main)			
		Description of Use	N/A			
		Is this a request for upgraded equipment?	No			
		Height	727.00 feet			
		Justification for New Tower	See uploaded file for full details of requirements. WISE-13960 Tower request supporting documents-4- 4-18			

Primary Tower Rigging Costs

Tower

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

Primary Other Tower Expenses Not Listed

Tower Information not provided.

Outside	Section	Question	Response			
Professional	Services Costs 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	Prepare and file Form FCC Construction Permit Application	Yes
Services	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

Other Professional Services Expenses Not Listed Outside Professional Services Costs 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. **General Legal fees** General legal fess that are not covered under the 399 EST line items and required to repack the station.

Other	Section	Question	Response
Expenses	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 Not Listed

Expenses Information not provided.

Transmitters

Cost Information

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	
Freight	\$7,700.00	\$7,700.00	Freight from mfg to staging area per Q-73719	\$2,566.66	N/A
Sales Tax	\$39,660.44	\$39,660.44	EST SALES TAX wise interim eq	\$26,440.29	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$900,000.00	N/A	\$374,386.78	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$3,331.66	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
UHF inside RF system including switching	\$147,500.00	\$140,000.00	N/A	N/A	N/A
Primary Transmitter ULXTE-60	\$1,852,348.42	\$1,769,648.42		\$821,524.79	
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.	\$16,500.00	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

Securirty - 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
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,400,000.00	N/A	\$741,197.76	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	\$29,757.75	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	\$7,119.81	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$20,800.00	\$20,000.00	N/A	N/A	N/A
25 Ton	\$91,500.00	\$87,000.00	N/A	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
Transmitter - Training	\$3,300.00	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A	N/A
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
Sub-total	\$3,144,708.86	\$3,000,308.86	N/A	\$1,228,250.18	N/A
Total for all systems	\$5,289,657.36	\$5,189,753.36	N/A	\$2,062,236.97	N/A

Components

Actual Information Description	File Name	
Freight		
	Component Description:	WISE-GATES-INT- 2ND INV- TE10004484-2 - FREIGHT - SEE Q-
	Amount:	73719 \$2,566.66

Sales Tax		
	Component Description:	WISE-GATES- INTERIM 2ND INV FOR SALES TAX- QUOTE Q-73719
	Amount:	\$13,220.15
	Component Description:	WISE-GATES- INTERIM INV 1/3 FOR UPLOADED QUOTE Q-73719
	Amount:	\$13,220.14
UHF - Liquid Cooled Solid State Transmitter 21 - 31	Common and Deconintians	
κW	Component Description:	WISE-GATES- INTERIM TX - 2ND INV FOR TX - LINES A, B AND D FOR Q-73719
	Amount:	\$187,193.39
	Component Description:	WISE-GATES- INTERIM TX - INV FOR TX - LINES A, B AND D FOR Q- 73719
	Amount:	\$187,193.39
Switchgear - industrial 800		
amp	Component Description:	WISE-GATES- INTERIM-1/3 FOR ELEC LINE C OF Q- 73719
	Amount:	\$1,665.83
	Component Description:	WISE-GATES- INTERIM-2ND INV FOR ELEC LINE C OF Q-73719
	Amount:	\$1,665.83

2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
25 Ton system	Information not provided.	
UHF inside RF system including switching	Information not provided.	
Site Survey - TX		
	Component Description:	WISE-SURVEY-
	Amount:	INV QC18-033 \$16,500.00
Disconnect existing Transmitter	Information not provided.	
Securirty - Site	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	Component Description:	WISE-MAIN-TX- INV TE10004490-2 LINE A,B,E
	Amount:	\$374,644.06
	Component Description:	WISE- MAIN-TX- INV - FOR LINES A B AND E OF Q- 73718, UPLOADED
	Amount:	\$366,553.70
Service entrance 3 phase /800 amp/208 volt	Information not provided.	
/800 amp/208 volt Switchgear - industrial 800	Information not provided.	
/800 amp/208 volt	Information not provided. Component Description:	WISE-GATES-TX- INV TE10004490-2
/800 amp/208 volt Switchgear - industrial 800		
/800 amp/208 volt Switchgear - industrial 800	Component Description:	INV TE10004490-2 - LINE C

Transformer 3 phase/480v - 300 KVA	Component Description:	WISE-GATES_ MAIN TX - ELEC per uploaded Q-
	Amount:	73718 line C. \$3,559.91
	Component Description:	WISE-GATES- MAIN TX - INVTE10004490-2 LINE D
	Amount:	\$3,559.90
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
25 Ton system	Information not provided.	
Other Building Addition Size: 200.0	Information not provided.	
Transmitter - Training	Information not provided.	
Sales Tax for EQ	Component Description:	WISE- GATES-
	Amount:	MAIN TX- sales tax per inv est. \$26,949.47
		Ψ=0,0+0.+1
Freight	Information not provided.	

Antennas

Cost Information

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	
FREIGHT	\$2,227.50	\$2,227.50	FREIGHT FROM MFG TO STAGING AREA - INV 93050	\$2,227.50	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	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

Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF - High Power, Side Mount, basic slot antenna, 8 bay,, 45 kW input, horizontally polarized	\$135,000.00	\$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
Primary Antenna TUA-O4-10 /40H-T-1R	\$117,830.00	\$192,600.00		\$0.00	
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
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
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	\$5,289,657.36	\$5,189,753.36	N/A	\$2,062,236.97	N/A

Components

Actual Information Description	File Name	
FREIGHT	Component Description: Amount:	WISE-DIE- FREIGHT-INT-INV 93050 BALANCE PAYMENT \$2,227.50
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.	

Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	Component Description: Amount:	WISE - DIE- INTERIM-ELBOW- LINE 17 - MAN00114 \$4,164.75
	Component Description: Amount:	WISE - DIE- INTERIM-ELBOW- LINE 16 - INV93050 BALANCE \$925.50
	Component Description: Amount:	ELBOW-WISE MAIN INV 45 PERCENT LINE 17 \$4,164.75
Sweep test of existing antenna	Information not provided.	

UHF - High Power, Side Mount, basic slot antenna, 8 bay,, 45 kW input, horizontally polarized	Component Description:	INTERIM ANT- WISE-45 PERCENT INV
	Amount:	LINE 1 \$20,216.25
	Component Description:	WISE- DIELECTRIC-INT- BALANCE INV 93050 LINE 1
	Amount:	\$4,492.50
	Component Description: Amount:	WISE-DIE- INTERIM ANT- 2nd INV LINE 1 - MAN00114 3-28 uploaded Order Conf # 407003 \$20,216.25
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.	
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.	
Retune Antenna	Information not provided.	

Transmission Line

Cost Information

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	
Refurbish Transmission Line	\$51,400.00	\$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 ACCOUNTEI FOR ON THI ORIGINAL PROJECT QUOTE. T&C'S #3 AND #4 APPLY, TOTAL- 1,876.14

Disconnect existing Interior RF components	\$12,500.00	\$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
Sub-total	\$173,950.00	\$168,525.00	N/A	\$132,763.24	N/A
Total for all systems	\$5,289,657.36	\$5,189,753.36	N/A	\$2,062,236.97	N/A

Actual Information Description	File Name	
Rigid Transmission Line - copper, 4 1/16"	Component Description:	LINE INTERIM- LINE 2 DEPOSIT INV 45 PERCENT WISE
	Amount:	\$36,796.10
	Component Description: Amount:	WISE-DIE- INTERIM- LINE -2 nd invoice - MAN00114 - LINES 2 and 19 \$36,796.10
	Component Description:	WISE-DIE- INTERIM- LINE - BALANCE invoice - 93050 - LINE 2
	Amount:	\$5,894.90

Refurbish Transmission Line		
	Component Description:	INV 6979-1OF3 LINE REFUB INV WISE-
	Amount:	\$18,329.10
	Component Description:	WISE-PCI-INV 7041-3OF3 LINE REFURB
	Amount:	\$17,766.15
	Component Description:	INV 7032 -20F3 LINE REFURB - WISE
	Amount:	\$17,180.89
Disconnect existing Interior RF components	Information not provided.	

Tower Equipment and Rigging Costs

Cost Information

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	\$0.00	\$0.00		\$0.00	
Primary Tower	\$1,393,465.00	\$1,382,965.00		\$597,182.50	
New tower	\$1,182,965.00	\$1,182,965.00	see uploaded file for full request details and proposal and PO. file - WISE- 13960 Tower request supporting documents- 4-4-18	\$597,182.50	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	N/A	N/A
Sub-total	\$1,393,465.00	\$1,382,965.00	N/A	\$597,182.50	N/A
Total for all systems	\$5,289,657.36	\$5,189,753.36	N/A	\$2,062,236.97	N/A

Actual Information	
Description	File Name

New tower		
	Component Description: Amount:	WISE- ERI- TOWER ENGR SURVEY- INV 51231- 6-11- FORMAT CHANGE TO INV \$3,300.00
	Component Description: Amount:	WISE - LOHNES - INV -201803- 0275-15 - FAA NOTICE AND ASR \$2,400.00
	Component Description:	WISE - ERI - INV WISE-001 Invoice covers Materials for Custom Guyed Tower
	Amount:	\$591,482.50
Tall Tower (greater than 500')	Information not provided.	

Outside Professional Services

Cost Information

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 C Justifica
Outside Professional Services	\$216,306.00	\$204,812.00		\$43,783.55	
General Legal fees	\$5,000.00	\$5,000.00	General legal fess that are not covered under the 399 EST line items and required to repack the station.	\$1,022.00	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
Quarterly reporting -Atty	\$7,500.00	\$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
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$14,720.00	\$14,000.00	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 - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$4,760.00	N/A
Project management of the transition	\$62,094.00	\$58,950.00	N/A	\$31,245.00	PLEAS DELE PRIO SUBMIT FOF DEPOS INVOIO QC17-7 THES WER SUBMIT PRIOR THE 12 17 FA GUIDAN
Prepare request for Special Temporary Authorization	\$8,200.00	\$6,000.00	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
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
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Sub-total	\$216,306.00	\$204,812.00	N/A	\$43,783.55	N/A
Total for all systems	\$5,289,657.36	\$5,189,753.36	N/A	\$2,062,236.97	N/A

Actual Information	
Description	File Name

	Component Description:	WISE - Legal fees for tower approval- INV 20180201
	Amount:	\$1,022.00
Vendor Travel Expenses		
	Component Description:	WISE-QCOMM-PM TRAVEL INV- QC1 151- ITEM 1010- 1015 SEE QC1700
	Amount:	\$2,254.55
Quarterly reporting -Atty	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 -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	LEGAL APRIL17 WILEY-WISE \$410.00
	Component Description: Amount:	LEGAL WILEY JUNE17 WISE \$1,962.50
	Component Description: Amount:	LEGAL JULY17 WILEY WISE \$1,995.00
	Component Description: Amount:	LEGAL WILEY AUG17-WISE \$392.50
Project management of the transition	Component Description:	PM-WISE 50 PERCENT DEPOSIT INV
	Amount:	\$29,147.50
	Component Description:	WISE-QCOMM-PM- INV QC17-151- MAR-AUG17
	Amount:	\$16,230.00
	Component Description:	WISE-PM-SEPT- DEC-17 - INV QC18- 017
	Amount:	\$15,015.00
Prepare request for Special Temporary Authorization	Information not provided.	

section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	WISE - ENGR NEW CH-CP \$1,650.00
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	WISE-ENGR-NEW CHANNEL \$2,100.00
Address transition timing and coordination issues w/ other stations and wireless	Component Description:	OPERATIONAL MEETING QMI AND SAGAMOREHILL ATTY
	Amount:	\$611.00
	Component Description:	WISE- BROOKS- legal- shared services inv 394469
	Amount:	\$188.00
	Component Description:	OPERATIONAL MEETING ATTY OF QMI AND SAGAMOREHILL - WISE
	Amount:	\$141.00
Prepare and or review reimbursement form	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	

Other Expenses

Cost Information

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

	Predetermined	Estimated	Estimated Cost		Actual Co
Description	Cost Estimate	Cost	Justification	Actual Cost	Justificat
Other Expenses	\$60,080.00	\$59,515.00		\$3,850.00	
MVPD Notification of Channel Change	\$5,000.00	\$5,000.00	Required FCC notification.	N/A	N/A
Develop and air announcement of upcoming channel change	\$15,000.00	\$15,000.00	Required FCC announcements and good will public relations must we upheld. The production airing and disseminating of these announcements are fundamental to our operations.	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
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A

	#405 00	# 400.00	N1/A	N1/A	F 1 / 4
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	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
Equipment Storage	\$10,000.00	\$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.	\$3,850.00	N/A
Sub-total	\$60,080.00	\$59,515.00	N/A	\$3,850.00	N/A
Total for all systems	\$5,289,657.36	\$5,189,753.36	N/A	\$2,062,236.97	N/A

Actual Information Description	File Name
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.

Equipment Delivery and Handling Charges	Information not provided.	
DTV Medical Facility Notification	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
Equipment Storage		
	Component Description:	WISE-FORKLIFT RENT TO UNLOAD INTO STORAGE. INV
	Amount:	1004 \$250.00
	Component Description:	WISE-STORAGE 1-18 THRU-4-11-
	Amount:	18 INV-1003 \$1,800.00
	Component Description:	WISE - EQ
		STORAGE-4-12- 18-7-12-18 - INV
		1008

Cost Information	Grand Total			
		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$5,289,657.36	\$5,189,753.36	\$2,062,236.97

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
		 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. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. The above-named entity acknowledges that all certifications The above-named entity acknowledges that all certifications 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).
- The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
- 7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
I declare, under penalty of perjury, that I am an authorized representative of the above- named applicant for the Authorization(s) specified above.	LOUIS WALL PRESIDENT 06/11/2018

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (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).	
		 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).
- 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.

	The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 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.	
an aut nameo	are, under penalty of perjury, that I am horized representative of the above- d applicant for the Authorization(s) ied above.	LOUIS WALL PRESIDENT 06/11/2018

Attachments