Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **2708** | Service: **DTV** | Call Sign: **WGBA-TV** | Channel: **14 (UHF)**

File Number: **0000027244**

FRN: **0002710192** | Date Submitted: **08/30/2021**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
SCRIPPS BROADCASTING HOLDINGS LLC Doing Business As: SCRIPPS BROADCASTING HOLDINGS LLC	David Giles 312 WALNUT STREET 28TH FLOOR CINCINNATI, OH 45202 United States	+1 (513) 898-4050	DAVE.GILES@SCRIPPS.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
Ray Thurber *Vice President Engineering* *SCRIPPS BROADCASTING HOLDINGS LLC*	Ray Thurber 312 Walnut St. Cincinnati, OH 45202 United States	+1 (248) 827-9202	ray.thurber@scripps.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.	No
Briefly describe transition plan	WGBA must replace its main antenna and transmitter in order to move to its new channel. See attached narrative for a more detailed explanation.

Transmitters

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

Auxiliary Transmitter

Add Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Auxiliary
	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	Ranger
	Year	2002
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	0.9 kW

Auxiliary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	UAXTE-2R37
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	1.2 kW
	Justification for New Transmitter	Current transmitter is no longer supported by the manufacturer except for maintenance. Available parts are in very limited supply and in some cases are no longer available. Manufacturer says it cannot be re-tuned.

Auxiliary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No

	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Labor to furnish and install conduit and wiring, install new electrical panelboard and breakers, and other electrical work as necessary.
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 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

Auxiliary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Auxiliary Transmitter - Ductwork	Auxiliary Transmitter - Ductwork required to connect HVAC system to new transmitters. Cost split with primary and auxiliary transmitters.

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	CD-3260P2
	Year	2004
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	50 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-30
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	19.2 kW
	Justification for New Transmitter	Current transmitter is no longer supported by the manufacturer except for maintenance. Available parts are in very limited supply and in some cases are no longer available. Manufacturer says it cannot be re-tuned.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No

	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Necessary switchgear, transformer installation, conduit, wiring and fuse disconnects as quoted by electrical contractor for main and auxiliary transmitter.
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 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	10

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Primary Transmitter - Ductwork	Primary Transmitter - Ductwork required to connect HVAC system to new transmitters. Cost split with primary and auxiliary transmitters.

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?	Yes
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	2
	Number of Panels	32
	Design power capacity in use	65.5 %
	Lower Limit	542.00 MHz
	Upper Limit	746.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW

Manufacturer	
Model	TUA-C4-8 /32U-1-S
Year	2004

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

Facility ID	Call Sign
361	WACY-TV

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?	No
New Antenna Manufacturer and Types	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/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)	500.0 kW
	Manufacturer	

Model	TFU-25ETT-R S180
Year	2019
Justification for New Antenna	Current panel antenna is not suitable for Ch. 14 operation. Due to shape of directional pattern and the channel spread between WGBA and WACY, stations cannot be combined into same antenna.

Primary Antenna

Other Antenna Costs

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

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
Wisconsin Sales Tax	Wisconsin Sales Tax on Antenna Expenses

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	8 3/16 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1080 feet per run

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Wisconsin Sales Tax	Wisconsin Sales Tax for Transmission Line Expenses
Misc. Pieces of Transmission Line	Extra pieces of transmission line as necessary to complete connection between new transmitter and antenna.

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	Owned
	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?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1034782
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	44° 21' 30.0" N-
	Longitude (NAD83)	087° 58' 48.4" W-
	Overall Structure Height	1055.11 feet
	Support Structure Height	1051.82 feet
	Ground Elevation Above Mean Sea Level (AMSL)	990.15 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	Scripps Broadcasting Holdings LLC
Date Constructed	10/01/1983

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
361	WACY-TV	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:	Minor Reinforcements needed

Primary Tower

Tower Rigging Costs

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

Primary Tower

Other Tower Expenses Not Listed

Name	Description
PE Review of Rigging Plan	Professional Engineering review of proposed rigging plan as required by ANSI /ASEE A10.48 and ANSI/TIA 322 standards.
Structural Analysis	Structural Analysis
Wisconsin Sales Tax	Wisconsin Sale Tax on Tower Expenses

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	595
	Explanation	Project manager needed to manage all work at transmitter site required to transition to new channel (both the main and interim facilities). With the size of the current engineering staff, WGBA cannot spare personnel to ensure these tasks are completed.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No

	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	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	No

RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	Yes
	Number of Days	2
	Justification	Additional days to conduct inventory and create a list of shortages.

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Wisconsin Sales Tax	Wisconsin Sales Tax on Professional Services
Site Survey	GatesAir performed a site survey to access changes to facility as necessary to transition to new channel including, power and HVAC requirements, available transmitter room space and existing antenna and transmission line RF characteristics at new channel.

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	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	No
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
Land Mobile Notifications	Land Mobile Notifications
Interference Study	Interference Study
Wisconsin Sales Tax	Wisconsin Sales Tax on Other Expenses
Employee Time	Time needed by Scripps corporate and WGBA employees to work on the transition to a new channel.
In-Building Deconstruction	Work necessary to disassemble and remove existing transmitter, beam supplies, step starts, heat exchangers and mask filter.

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-30	**$1,452,175.75**	**$768,769.45**		**$385,205.46**	
Primary Transmitter - Ductwork	***$1,002.25***	$1,002.25	Please see Thompson Sheet Metal Estimate 3890. Cost split with auxiliary transmitter.	$1,002.25	N/A
Additional field engineering time, 10-30 days	$63,100.00	$60,000.00	N/A	$4,665.28	N/A
Channel 14 Mask Filter	$189,500.00	$180,000.00	N/A	$49,310.58	N/A
Other Electrical Service: Necessary switchgear, transformer installation, conduit, wiring and fuse disconnects as quoted by electrical contractor for main and auxiliary transmitter.	***$14,813.50***	$14,813.50	Please see Estimated Cost Justification WGBA-TV-110-1st Primary Transmitter - Other Electrical Service v0	$14,813.50	N/A

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	$684,000.00	$192,539.85	Please see GatesAir quote Q-74154 and actual tax on GatesAir invoice US0314086. Station was previously reimbursed for expenses under like-for-like transmitter information.	$0.00	N/A
RF Consulting Engineer	$5,260.00	$5,000.00	N/A	$0.00	N/A
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	$494,500.00	$315,413.85	***System Notice: Estimate adjusted and locked because line has been superseded. ***	$315,413.85	N/A
Auxiliary Transmitter UAXTE-2R37	**$326,815.75**	**$311,315.75**		**$90,541.20**	
Auxiliary Transmitter - Ductwork	***$1,002.25***	$1,002.25	Please see Thompson Sheet Metal Estimate 3890. Cost split with primary transmitter.	$1,002.25	N/A
Channel 14 Mask Filter	$189,500.00	$180,000.00	N/A	$0.00	N/A

Other Electrical Service: Labor to furnish and install conduit and wiring, install new electrical panelboard and breakers, and other electrical work as necessary.	***$10,313.50***	$10,313.50	Please see WGBA-TV Auxiliary Transmitter - Other Electrical Service Budget Revision Justification Letter	$10,313.50	N/A
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	$126,000.00	$120,000.00	N/A	$79,225.45	N/A
Sub-total	$1,778,991.50	$1,080,085.20	N/A	$475,746.66	N/A
Total for all systems	$2,887,882.87	$2,248,935.87	N/A	$1,242,357.18	N/A

Components

Actual Information Description	File Name	
Primary Transmitter - Ductwork	**Component Description:**	SEPARATE 2-AIR HANDLERS ADD DUCT WORK
	Amount:	$1,002.25

Additional field engineering time, 10-30 days	**Component Description:** **Amount:**	WGBA-TV-110-1st Primary Transmitter - Additional Field Engineering Time, 10-30 Days $4,665.28
Channel 14 Mask Filter	**Component Description:** **Amount:** **Component Description:** **Amount:** **Component Description:** **Amount:** **Component Description:** **Amount:**	WGBA-TV-110-1st Primary Transmitter - Channel 14 Mask Filter $18,150.65 Mask Filter $15,579.96 Invoice resubmitted with proper categories N/A Mask Filter $15,579.97
Other Electrical Service: Necessary switchgear, transformer installation, conduit, wiring and fuse disconnects as quoted by electrical contractor for main and auxiliary transmitter.	**Component Description:** **Amount:** **Component Description:** **Amount:**	Furnish and install all necessary conduit $10,313.50 PO # 3003027943 $4,500.00
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	Information not provided.	

RF Consulting Engineer	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW	**Component Description:** Transmitter **Amount:** $105,659.84 **Component Description:** Transmitter **Amount:** $97,590.16 **Component Description:** WGBA Repack Transmitter Package **Amount:** $6,890.41 **Component Description:** ULXTE-16 Transmitter **Amount:** $105,273.44
Auxiliary Transmitter - Ductwork	**Component Description:** WGBA-TV--1st Auxiliary Transmitter - Other - Ductwork **Amount:** $1,002.25
Channel 14 Mask Filter	**Component Description:** Gates air transmitter **Amount:** $121,239.83
Other Electrical Service: Labor to furnish and install conduit and wiring, install new electrical panelboard and breakers, and other electrical work as necessary.	**Component Description:** WGBA-TV-150-1st Auxiliary Transmitter - Other Electrical Service **Amount:** $10,313.50

UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	**Component Description:**	WGBA Repack Transmitter Package
	Amount:	$26,408.48
	Component Description:	WGBA Repack Transmitter Package
	Amount:	$26,408.48
	Component Description:	Transmitter
	Amount:	$15,976.59
	Component Description:	UAX, VAX-INSTALL
	Amount:	$10,431.90

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
Primary Antenna TFU-25ETT-R S180	**$285,136.00**	**$232,816.90**		**$214,934.40**	
Wisconsin Sales Tax	***$16,156.00***	$16,156.00	N/A	$0.00	N/A
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	$15,250.00	$13,583.00	Per Dielectric Quote 700517CMZ-1 & Prop Sheet C-71052-1.	$12,224.70	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$6,400.00	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	$247,000.00	$196,677.90	Per Estimated Cost Justification WGBA-TV-210-Primary Antenna - UHF High Power Top Mount, H-POL v0	$196,309.70	N/A
Sub-total	$285,136.00	$232,816.90	N/A	$214,934.40	N/A
Total for all systems	$2,887,882.87	$2,248,935.87	N/A	$1,242,357.18	N/A

Components

Actual Information Description	File Name	
Wisconsin Sales Tax	Information not provided.	
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	**Component Description:** **Amount:**	Elbow Complex $6,112.35
	Component Description: **Amount:**	WGBA-TV-210-Primary Antenna - Elbow Complex $6,112.35
Sweep test of existing antenna	**Component Description:** **Amount:**	WGBA-TV-210-Primary Antenna - Sweep Test $2,880.00
	Component Description: **Amount:**	WGBA-TV-210-Primary Antenna - Sweep Test $640.00
	Component Description: **Amount:**	Sweep Test $2,880.00

UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	**Component Description:**	INCLUDES ONE FIELD ENGINEER ON-SITE FOR ONE DAY, TRAVEL, EXPENSES AND REPORT
	Amount:	$5,760.00
	Component Description:	ANTENNA - HIGH POWER TOP MOUNT
	Amount:	$23,547.50
	Component Description:	Antenna
	Amount:	$83,501.10
	Component Description:	ANTENNA - HIGH POWER TOP MOUNT
	Amount:	$83,501.10

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	**$31,500.00**	**$31,500.00**		**$10,850.13**	
Misc. Pieces of Transmission Line	***$30,000.00***	$30,000.00	N/A	$10,850.13	N/A
Wisconsin Sales Tax	***$1,500.00***	$1,500.00	N/A	$0.00	N/A
Sub-total	$31,500.00	$31,500.00	N/A	$10,850.13	N/A
Total for all systems	$2,887,882.87	$2,248,935.87	N/A	$1,242,357.18	N/A

Components

Actual Information Description	File Name

Misc. Pieces of Transmission Line	**Component Description:** **Amount:**	Transmission Line pcs $3,435.75
	Component Description: **Amount:**	TLSCR 8/75 16 INCHES WITH TUNING KIT $2,450.00
	Component Description: **Amount:**	WGBA-TV-310-Primary Transmission Line - Misc. Pieces $3,435.75
	Component Description: **Amount:**	ELBOW ASSY 1 5/8 REINFORCED ELBOW 6 $1,528.63
Wisconsin Sales Tax	Information not provided.	

Cost Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower GTOWER	**$410,725.00**	**$504,878.60**		**$356,559.73**	
Tall Tower (greater than 500')	$210,500.00	$313,253.60	see Estimated Cost Justification WGBA-TV-410-Existing Primary Tower - Tower Rigging, Tall Tower v0	$313,253.60	N/A
Structural Analysis	***$3,650.00***	$3,650.00	Please see Warmus and Associates contract CS18-007	$3,650.00	N/A
Minor tower reinforcement /modifications	$158,000.00	$150,000.00	N/A	$31,856.13	N/A
Wisconsin Sales Tax	***$18,475.00***	$18,475.00	N/A	$0.00	N/A
PE Review of Rigging Plan	***$7,500.00***	$7,500.00	N/A	$0.00	N/A
Structural engineering tower load study for well documented tower	$12,600.00	$12,000.00	N/A	$7,800.00	N/A

Sub-total	$410,725.00	$504,878.60	N/A	$356,559.73	N/A
Total for all systems	$2,887,882.87	$2,248,935.87	N/A	$1,242,357.18	N/A

Components

Actual Information Description	File Name
Tall Tower (greater than 500')	**Component Description:** Professional Engineering Services **Amount:** $313,253.60
Structural Analysis	**Component Description:** WGBA-TV-410-Existing Primary Tower - Structural Analysis - $3,650.00 **Amount:** $3,650.00
Minor tower reinforcement /modifications	**Component Description:** WGBA-TV-410-Existing Primary Tower - Minor Tower Reinforcement /Modifications **Amount:** $31,856.13
Wisconsin Sales Tax	Information not provided.
PE Review of Rigging Plan	Information not provided.

Structural engineering tower load study for well documented tower	**Component Description:** **Amount:**	Professional Services $550.00
	Component Description: **Amount:**	Professional Engineering Services $3,500.00
	Component Description: **Amount:**	Engineering services rendered $3,750.00

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 Cos Justificati
Outside Professional Services	**$167,857.48**	**$186,542.28**		**$166,882.82**	
Site Survey	***$18,568.20***	$18,568.20	N/A	$18,568.20	N/A
Wisconsin Sales Tax	***$4,063.00***	$4,063.00	N/A	$0.00	N/A
Additional Field Engineering Service, 2 Days	***$1,556.28***	$1,556.28	Please see WGBA RF Eng - Additional Field Engineering Service Budget Revision Justification Letter	$1,556.28	N/A
RF Exposure Measurements	$21,050.00	$20,071.48	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	$20,071.48	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	$2,105.00	$2,000.00	N/A	$0.00	N/A

ASR modification (prepare FCC Form 854)	$2,105.00	$2,000.00	N/A	$0.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	$5,260.00	$5,000.00	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	$675.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	$3,155.00	$3,000.00	N/A	$1,573.54	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$14,358.72	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	$14,358.72	N/A
Prepare and or review reimbursement form	$2,630.00	$2,500.00	N/A	$405.00	N/A

Project management of the transition	$94,010.00	$108,399.60	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	$108,399.60	N/A
Prepare request for Special Temporary Authorization	$2,050.00	$1,275.00	Please see WGBA Engineering STA Budget Justification Cover Lette	$1,275.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	$2,365.00	$2,250.00	N/A	$0.00	N/A
Sub-total	$167,857.48	$186,542.28	N/A	$166,882.82	N/A
Total for all systems	$2,887,882.87	$2,248,935.87	N/A	$1,242,357.18	N/A

Components

Actual Information Description	File Name	
Site Survey	**Component Description:** **Amount:**	FIELD SERVICE, TV $18,568.20
Wisconsin Sales Tax	Information not provided.	
Additional Field Engineering Service, 2 Days	**Component Description:** **Amount:**	WGBA-TV-580-RF Eng - Additional Field Engineering $1,556.28

RF Exposure Measurements	**Component Description:** **Amount:** **Component Description:** **Amount:**	Gather measurements at top of tower $5,362.03 Incremental Billing #4 $14,709.45
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.	
ASR modification (prepare FCC Form 854)	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	**Component Description:** **Amount:**	Prep of PTA Request and License App applied towards reimbursement under "WGBA-TV-530-RF Eng - License to Cover Application (Main)" for the total of $675.00. $675.00

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	**Component Description:**	WGBA-TV-530-RF Eng - Construction Permit Application (Main)
	Amount:	$1,498.54
	Component Description:	WLWK-CD-530-RF Eng - Construction Permit Application (Main)
	Amount:	$75.00
Perform engineering study for new channel assignment and antenna development	**Component Description:**	WGBA-TV-530-RF Eng - Engineering Study for New Channel Assignment
	Amount:	$907.90
	Component Description:	WGBA-TV-530-RF Eng - Engineering Study for New Channel Assignment
	Amount:	$675.00
	Component Description:	387 Form for Station Updates
	Amount:	$720.00
	Component Description:	Professional Engineering Services Rendered
	Amount:	$187.50

Component Description:	WGBA-TV-530-RF Eng - Engineering Study for New Channel Assignment
Amount:	$15.00
Component Description:	WGBA-TV-530-RF Eng - Engineering Study for New Channel Assignment
Amount:	$375.00
Component Description:	"Engineering services rendered October, November, December, 2017, and January, 2018,"
Amount:	$2,800.00
Component Description:	Engineering Review Letter
Amount:	$750.00
Component Description:	Repack Conference Call - Status Update
Amount:	$1,537.50
Component Description:	Engineering Services Rendered
Amount:	$3,412.50
Component Description:	Repack Status Calls & Dielectric Call
Amount:	$1,507.50

Component Description:	WMAR Repack Conference Call /Status Discussion
Amount:	$45.00
Component Description:	Professional Engineering Services
Amount:	$187.50
Component Description:	Engineering review letter
Amount:	$750.00
Component Description:	Repack Conference Calls /Status Discussions
Amount:	$60.00
Component Description:	Professional Engineering Services Rendered
Amount:	$83.32
Component Description:	WACY - Calls w/ Repack Team, Info Gathering on Station, Coverage Maps
Amount:	$345.00

Prepare and or review reimbursement form	**Component Description:** **Amount:**	Required Revisions $75.00
	Component Description: **Amount:**	WLWK-CD-590-Prepare and/or Review Reimbursement Form $330.00
Project management of the transition	**Component Description:** **Amount:**	FCC Repack $75.00
	Component Description: **Amount:**	Project management $4,225.60
	Component Description: **Amount:**	Project Management $3,088.60
	Component Description: **Amount:**	Project management $8,534.30
	Component Description: **Amount:**	Project Management $3,099.55
	Component Description: **Amount:**	Project Management $7,752.80

Component Description:	Incremental Billing #3
Amount:	$1,317.50
Component Description:	Project management
Amount:	$5,306.50
Component Description:	FOR SERVICES RENDERED
Amount:	$150.00
Component Description:	Project Management
Amount:	$5,737.00
Component Description:	Project Management
Amount:	$93.55
Component Description:	Project Management
Amount:	$13.30
Component Description:	Project Management
Amount:	$2,242.90
Component Description:	Project Management
Amount:	$1,931.70
Component Description:	Project Management
Amount:	$6,905.15

Component Description:	Project Management
Amount:	$5,323.45
Component Description:	Project Management
Amount:	$5,242.45
Component Description:	Project Management
Amount:	$4,725.55
Component Description:	Project Management
Amount:	$2,993.90
Component Description:	WGBA-TV-510-Project Management
Amount:	$1,785.00
Component Description:	Project Management
Amount:	$3,660.80
Component Description:	Project Management
Amount:	$1,941.45
Component Description:	Project Management
Amount:	$384.95
Component Description:	Weekly call & follow up with Warmus / Dielectric
Amount:	$637.50

Component Description: FOR SERVICES RENDERED
Amount: $75.00

Component Description: Project Management
Amount: $4,390.80

Component Description: Project Management
Amount: $1,382.70

Component Description: Project Management
Amount: $2,437.30

Component Description: Project Management
Amount: $2,686.60

Component Description: Project Management
Amount: $5,531.20

Component Description: Project Management
Amount: $3,060.95

Component Description: Project Management
Amount: $6,596.55

Component Description: PARTS SEARCH & TELEPHONE WORK
Amount: $2,040.00

	Component Description: **Amount:**	Project Management $384.05
	Component Description: **Amount:**	Project Management $2,645.95
Prepare request for Special Temporary Authorization	**Component Description:** **Amount:**	FCC Repack $1,275.00
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	**$213,672.89**	**$213,112.89**		**$17,383.44**	
In-Building Deconstruction	***$25,000.00***	$25,000.00	N/A	$0.00	N/A
Employee Time	***$77,257.60***	$77,257.60	N/A	$0.00	N/A
Wisconsin Sales Tax	***$3,375.00***	$3,375.00	N/A	$0.00	N/A
Interference Study	***$3,877.69***	$3,877.69	Please see Estimated Cost Justification WGBA-TV-610-Interference Study v0	$3,877.69	N/A
Land Mobile Notifications	***$3,277.60***	$3,277.60	Please see WGBA-TV DTV Notifications Estimate EST-001014	$3,277.60	N/A
MVPD Notification of Channel Change	***$2,500.00***	$2,500.00	N/A	$2,281.66	N/A
Develop and air announcement of upcoming channel change	***$5,000.00***	$5,000.00	N/A	$0.00	N/A

Equipment Delivery and Handling Charges	***$6,500.00***	$6,500.00	N/A	$3,266.53	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	***$25,000.00***	$25,000.00	N/A	$0.00	N/A
Non-zoning permits	***$25,000.00***	$25,000.00	N/A	$1,190.00	N/A
Local Zoning	***$25,000.00***	$25,000.00	N/A	$809.06	N/A
FCC Filing Fees - Form 2100 license to cover application	$335.00	$325.00	N/A	$0.00	N/A
DTV Medical Facility Notification	$11,550.00	$11,000.00	N/A	$2,680.90	N/A
Sub-total	$213,672.89	$213,112.89	N/A	$17,383.44	N/A
Total for all systems	$2,887,882.87	$2,248,935.87	N/A	$1,242,357.18	N/A

Components

Actual Information Description	File Name
In-Building Deconstruction	Information not provided.
Employee Time	Information not provided.
Wisconsin Sales Tax	Information not provided.
Interference Study	**Component Description:** Interference Study **Amount:** $3,877.69

Land Mobile Notifications	**Component Description:** **Amount:**	WGBA-TV-610-Land Mobile Notifications $3,277.60
MVPD Notification of Channel Change	**Component Description:** **Amount:**	MVPD Notification Services $2,281.66
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Delivery and Handling Charges	**Component Description:** **Amount:**	19' ELECT SCISSORLIFT $3,266.53
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
Non-zoning permits	**Component Description:** **Amount:**	WGBA-TV-610-Non-Zoning Permits $1,190.00
Local Zoning	**Component Description:** **Amount:**	WGBA-TV-610-Local Zoning $809.06
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	

DTV Medical Facility Notification	**Component Description:** **Amount:**	DTV Notification Service $2,680.90

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$2,887,882.87	$2,248,935.87	$1,242,357.18

Reimbursement Status

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

Certification

Section	Question	Response
Submission of Estimated Expenses Statements	WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.	
	1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.	

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

	8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**Sravan V Reddy , Reddy .** *Senior Director, General Accounting* 08/30/2021

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).	
	1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

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

	8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**Sravan V Reddy , Reddy .** *Senior Director, General Accounting* 08/30/2021

Attachments