

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Channel: 25 (UHF) 10267 Service: DTV Call WXYZ-TV Facility Sign:

File 0000027247

Number:

ID:

FRN: **0002710192** Date 11/30

> Submitted: /2020

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
SCRIPPS BROADCASTING HOLDINGS LLC Doing Business As: SCRIPPS MEDIA, INC.	Dave Giles 312 WALNUT STREET 28TH FLOOR CINCINNATI, OH 45202 United States	+1 (513) 977- 3000	DAVE. GILES@SCRIPPS. COM	Corporation

Reimbursement Contact Name and Information Reimbursement Contact 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	WXYZ must replace its main and auxiliary antenna and main and auxiliary transmitter in order to move it 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

Existing 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	
Manufacturer and Type	Model	Sigma CD
	Year	1998
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	40.5 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	ULXTE-50
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	31.7 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
	,	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Necessary switchgear, transformer, conduit, wiring and fuse disconnects as quoted by electrical contractor.
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	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 Transmittor

Other Transmitter Cost Not Listed

Transmitter Information not provided.

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	Visionary DT
	Year	2007
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	40.5 kW

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-100
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	62.9 kW
	Justification for New Transmitter	Current Axcera transmitter is orphaned and no longer supported by the manufacturer. Available parts are in very limited supply and in some cases are no longer available. 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, conduit, wiring and fuse disconnects as quoted by electrical contractor.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	30 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	1188.0 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
Primary Transmitter Mask Filter	Primary Transmitter Mask Filter

Antennas

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

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Auxiliary (Backup)
	Description of Use	Auxiliary
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	670.0 kW

Manufacturer	
Model	TFU- 30DSC-RC
Year	1998

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Auxiliary (Backup)
	Description of Use	Auxiliary
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	24
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	52.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	540.0 kW
	Manufacturer	

Model	TFU-24WB C160
Year	2019
Justification for New Antenna	Existing main antenna is a coaxial slot antenna that is channel specific and cannot be reused on the new channel.

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	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?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	No

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

Other Antenna Cost Not Listed

Information not provided.

Existing Antenna Information

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

Manufacturer	
Model	TFU- 26GTH-R 6C40
Year	2008

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	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	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)	765.0 kW
	Manufacturer	

Model	TFU-22GTH /VP-R 6C140SP
Year	2019
Justification for New Antenna	Existing main antenna is a coaxial slot antenna that is channel specific and cannot be reused on the new channel.

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	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?	Single Channel
	Feed Line Size	6 1/8 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

Other Antenna Cost Not Listed

Name	Description
Michigan Sales Tax	Michigan Sales Tax for Antenna Expenses

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

Primary Transmission

Existing Transmission Line

Line ection	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	1078 feet per run

Other Transmission Line Expenses Not Listed

Primary	Other Transmission Line Expenses Not Listed	
Transmissio	on Line	Description
	Additional Transmission Line	New transmitter must be located in another building due to lack of space in current transmitter building. 610 ft of additional transmission line is needed. Scripps plans to upgrade from 6-1/8" to 7-3/16" for this additional line.
	Extension of Ice Bridge	Need to add extension to existing ice bridge to cover new transmission line.
	Michigan Sales Tax	Michigan Sales Tax on Transmission Line Expenses
	Primary Transmission Line - Additional	Primary Transmission Line - Additional

Existing Transmission Line

Transmission Line - Additional Parts

Auxiliary Transmission

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Auxiliary (Backup)
	Description of Use	Auxiliary
	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
	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A

Transmission Line - Additional Parts

Segment Length	19 1/2 inches
Other Segment Length	N/A
Number of parallel runs	1
Length	1022 feet per run

Auxiliary

Other Transmission Line Expenses Not Listed

Transmission Line		Description
	Required Category - Ignore	Category required due to LMS restrictions

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?	No
	Is tower compliant with Rev G?	Yes
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1002464
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	42° 28' 14.0" N-
	Longitude (NAD83)	083° 15' 01.0" W-
	Overall Structure Height	1055.11 fee
	Support Structure Height	989.16 feet
	Ground Elevation Above Mean Sea Level (AMSL)	664.36 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	SCRIPPS MEDIA, INC.
Date Constructed	12/22/2008

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
11278	WRIF	FM

Primary Tower

Tower Modification Costs

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

Primary Tower

Other Tower Expenses Not Listed

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

Outside Professional

Section	Question	Response
Services Costs 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, WXYZ 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	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes

For Main Facility		Yes
Prepare request for Spo	ecial Temporary	No
Quantity		N/A
Do you have Distributed System engineering se		N/A
Critical Facility		N/A
Terrain-Shielded Facilit	у	N/A
Prepare and file Form F Permit Application	FCC Construction	Yes
For Auxiliary Facility		Yes
For Main Facility		Yes
Prepare and file Form F Cover Application	FCC License to	Yes
For Auxiliary Facility		Yes
For Main Facility		Yes
Prepare request for Spo Authority	ecial Temporary	No
Quantity		N/A
NEPA Section 106 envi	ironmental review	No
Environmental Assessn	nent	No
ASR Modification		No
FAA Consultation (inclu FAA Form 7460)	iding preparation of	No
Negotiation of Lease ar Shared Locations	nd other Matter for	No
Prepare or Review FCC Reimbursement	Form 399 for	Yes
Address transition timin issues w/ other stations providers	-	No

Attorney and Other Outside Consulting

Services

RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Professional

Other Professional Services Expenses Not Listed

Services Costs	Description
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.
Michigan Sales Tax	Michigan Sales Tax on Professional Services 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	Yes
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	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?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses

Other Expenses Not Listed

Name	Description
Employee Time	Time needed by Scripps corporate and WXYZ employees to work on the transition to a new channel.
Michigan Sales Tax	Michigan Sales Tax on Other Expenses

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter ULXTE-100	\$3,017,212.00	\$1,544,751.00		\$1,359,658.26	
UHF - Liquid Cooled Solid State Transmitter 62.9 kW	\$1,203,487.00	\$1,203,487.00	Please see attached GatesAir Quotes Q-73319 (likefor-like) and Q-77838 (upgraded transmitter) less \$539.00 forwarded for payment under invoice GO10004837 /8-1	\$1,161,045.26	N/A
Primary Transmitter Mask Filter	\$0.00	\$0.00	mask filter reimbursed as part of TX	\$0.00	N/A
Other Electrical Service: Necessary switchgear, transformer, conduit, wiring and fuse disconnects as quoted by electrical contractor.	\$182,548.00	\$182,548.00	see Estimated Cost Justification WXYZ-TV- 110-1st Primary Transmitter - Other Electrical Service v0	\$182,548.00	N/A

Auxiliary Transmitter ULXTE-50	\$922,753.20	\$922,753.20		\$915,322.71	
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$539.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***Please see WXYZ Primary Transmitter Revision Justification Cover Letter	\$539.00	Adding a note here for the invoice the invoice number is GO10004837 /8-1
Other Building Addition Size: 1188.0	\$10,177.00	\$10,177.00	Please see MasterCraft Floors Proposal dated 2/1/18 and MasterCraft Floors Proposal dated 2/1/18 Related Email	\$10,177.00	N/A
Other HVAC Service Type: C Size:30 (Other)	\$148,000.00	\$148,000.00	Please see attached Kropf Estimate dated 8-24- 20	\$5,349.00	N/A

UHF - Liquid Cooled Solid State Transmitter 31.7 kW	\$856,823.20	\$856,823.20	Please see Estimated Cost Justification WXYZ-TV- 150-1st Auxiliary Transmitter - UHF Liquid Cooled Solid State, 31.7 kW v0	\$852,691.71	N/A
Other Electrical Service: Necessary switchgear, transformer, conduit, wiring and fuse disconnects as quoted by electrical contractor.	\$65,930.00	\$65,930.00	N/A	\$62,631.00	N/A
Sub-total	\$3,939,965.20	\$2,467,504.20	N/A	\$2,274,980.97	N/A
Total for all systems	\$5,701,252.53	\$4,237,767.23	N/A	\$3,283,549.18	N/A

Components

Actual Information	
Description	File Name

UHF - Liquid Cooled Solid State Transmitter 62.9 kW	Component Description: Amount:	Transmitter \$397,267.00
	Component Description: Amount:	Transmitter \$364,770.12
	Component Description: Amount:	ULXTE-72 Transmitter \$23,385.25
	Component Description: Amount:	Transmitter \$108,179.94
	Component Description: Amount:	Transmitter \$267,442.95
Primary Transmitter Mask Filter	Information not provided.	

Other Electrical Service:
Necessary switchgear,
transformer, conduit, wiring
and fuse disconnects as
quoted by electrical
contractor.

Component Description:

Amount:

ENGINEERING

\$17,700.00

Component Description:

Electrical Work as

directed by

Purchase Order

Amount: \$2,988.00

Component Description:

Electrical work rendered as

described on the attached Purchase

Order.

Amount: \$47,638.50

Component Description:

Upgrade and

Replacement \$12,300.00

Amount:

Component Description: Engineering

Amount:

\$13,450.00

Component Description:

Amount:

Electrical work \$48,471.50

Component Description: Electrical work

rendered as described on the attached Purchase

Order.

Amount: \$40,000.00

Other -- HVAC Service

Type: C Size:30 (Other)

Component Description:

HVAC Unit Relocation

Amount:

\$5,349.00

Component Description: Amount:	SNMP Manager for V5 ARC Plus Touch \$539.00
Amount:	
Component Description:	Gates Air 1st installment
Amount:	Transmitter \$682,250.42
Component Description:	ULXTE-50
Amount:	Transmitter \$284,983.39
Component Description:	ULXTE-50
Amount:	Transmitter \$94,386.82
Component Description:	ULXTE-50
Amount:	Transmitter \$207,304.05
Component Description:	Transmitter \$266,017.45
	Amount: Component Description: Amount: Component Description: Amount: Component Description: Amount:

Other Electrical Service:
Necessary switchgear,
transformer, conduit, wiring
and fuse disconnects as
quoted by electrical
contractor.

Component Description:

Amount:

Electrical Work

\$31,315.50

Component Description:

Amount:

Electrical Work

\$15,657.75

Component Description:

Amount:

Electrical Work

\$15,657.75

Antennas

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificatio
Primary Antenna TFU-22GTH /VP-R 6C140SP	\$309,147.88	\$263,231.88		\$221,956.88	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,298.00	please see attached Dielectric Quote 700054CMZ-	\$10,298.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	please see attached Dielectric Quote 700054CMZ- 1	\$6,400.00	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna, elliptically or circularly polarized	\$289,500.00	\$245,916.00	Please see attached Dielectric Quote 700054CMZ- 1, less the amount of the elbow complex.	\$204,641.00	N/A
Michigan Sales Tax	\$617.88	\$617.88	N/A	\$617.88	N/A
Auxiliary Antenna TFU-24WB C160	\$182,356.00	\$182,026.00		\$158,703.40	

Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$6,400.00	N/A
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 540 kW input, horizontally polarized	\$175,626.00	\$175,626.00	Please see Dielectric Quote 700346CMZ- 1	\$152,303.40	N/A
Sub-total	\$491,503.88	\$445,257.88	N/A	\$380,660.28	N/A
Total for all systems	\$5,701,252.53	\$4,237,767.23	N/A	\$3,283,549.18	N/A

Actual Information Description	File Name	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description: Amount:	Elbow Complex \$1,029.80
	Component Description:	WXYZ-TV-290- Primary Antenna - Elbow Complex
	Amount:	\$10,298.00
	Component Description:	WXYZ-TV-290- Primary Antenna - Elbow Complex
	Amount:	\$9,268.20

Sweep test of existing antenna		0 7
	Component Description:	Sweep Test
	Amount:	\$640.00
	Component Description:	WXYZ-TV-210-
		Primary Antenna -
		Sweep Test
	Amount:	\$2,880.00
	Component Description:	WXYZ-TV-210-
		Primary Antenna -
		Sweep Test
	Amount:	\$2,880.00
UHF - High Power Top		
Mount (200-1000 kW), One station antenna ,	Component Description:	Antenna
elliptically or circularly polarized	Amount:	\$11,667.10
	Component Description:	RIGID
		TRANSMISSION
		LINE
	Amount:	\$3,438.00
	Component Description:	ANTENNA - UHF
		HIGH POWER TOP
		MOUNT
	Amount:	\$87,454.35
	Component Description:	ANTENNA - UHF
		HIGH
	Amount:	\$96,722.55
	Component Description:	ANTENNA - UHF
		HIGH POWER TOP
		MOUNT
		*

Amount:

\$5,359.00

	Component Description:	WXYZ-TV-210-
		Primary Antenna -
		Michigan Sales Tax
	Amount:	\$617.88
Sweep test of existing		
antenna	Component Description:	INCLUDES ONE
		FIELD ENGINEER
		ON-SITE FOR ONE
		DAY, TRAVEL,
		EXPENSES AND
	Amount:	REPORT \$6,400.00
	Amount.	Ф 0,400.00
UHF - High Power, Side Mount, basic slot antenna,		
24 bay,, 540 kW input,	Component Description:	ANTENNAS - UHF
horizontally polarized		BROADBAND SIDE
	Amazzat	MOUNT
	Amount:	\$76,151.70
	Component Description:	ANTENNAS - UHF
		BROADBAND SIDE
		MOUNT
	Amount:	\$76,151.70

Transmission Line

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$227,199.07	\$227,199.07		\$166,211.56	
Primary Transmission Line - Additional Transmission Line - Additional Parts	\$192.00	\$192.00	Please see Dielectric Order Confirmation 1192002	\$192.00	N/A
Additional Transmission Line	\$169,312.71	\$169,312.71	per Estimated Cost Justification WXYZ-TV- 310-Primary Transmission Line- Additional Transmission Line v0	\$164,765.20	N/A
Extension of Ice Bridge	\$56,440.00	\$56,440.00	N/A	N/A	N/A
Michigan Sales Tax	\$1,254.36	\$1,254.36	N/A	\$1,254.36	N/A
Auxiliary Transmission Line	\$0.00	\$0.00		\$0.00	
Required Category - Ignore	\$0.00	\$0.00	Category required due to LMS restrictions	N/A	N/A
Sub-total	\$227,199.07	\$227,199.07	N/A	\$166,211.56	N/A

Total for all \$5,701,252.53 \$4,237,767.23 N/A \$3,283,549.18 N/A **systems**

Actual Information Description	File Name	
Primary Transmission Line - Additional Transmission Line - Additional Parts	Component Description: Amount:	WXYZ-TV-310- Primary Transmission Line - Additional Transmission Line - Additional Parts \$192.00
Additional Transmission Line	Component Description: Amount:	Transmission Line \$515.70
	Component Description: Amount:	WXYZ-TV-310- Primary Transmission Line - Additional Transmission Line \$2,320.65
	Component Description:	RIGID TRANSMISSION LINE - COPPER
	Amount:	\$68,646.72
	Component Description: Amount:	T/L 7-75 EIA LENGTH 15' TO 20' FIXED FLG \$7,059.94
	Component Description: Amount:	Rigid Transmission Line - Copper \$13,408.68

	Component Description:	WXYZ-TV-310- Primary
		Transmission Line - Additional
		Transmission Line
	Amount:	\$2,320.65
	Component Description:	OTHER- FEED
		THROUGH
		COMPONENTS
	Amount:	\$20,906.00
	Component Description:	RIGID
		TRANSMISSION
	Amount:	\$70,492.86
Extension of Ice Bridge	Information not provided.	
Michigan Sales Tax		
	Component Description:	MI Sales Tax-
		Invoice 485001
	Amount:	\$1,254.36
Required Category - Ignore	Information not provided.	

Tower Equipment and Rigging Costs

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$751,850.00	\$803,378.00		\$337,517.00	
Tower Structural Analysis	\$16,050.00	\$16,050.00	see Estimated Cost Justification WXYZ-TV- 410- Existing Primary Tower - Tower Structural Analysis v0	\$16,050.00	N/A
Tower Helicopter Lift	\$70,500.00	\$70,500.00	Please see ERI Change Order Detroit - 36244 - Helicopter	\$47,800.00	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	N/A	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$25,000.00	N/A	N/A	N/A

Michigan	\$0.00	\$0.00	N/A	N/A	N/A
Sales Tax	ψο.σσ	ψ0.00	14// 1	13//1	14//1
PE Review of	\$7,500.00	\$7,500.00	N/A	\$4,000.00	N/A
Rigging Plan					
Tall Tower	\$210,500.00	\$284,328.00	see	\$269,667.00	N/A
(greater than			Estimated		
500')			Cost		
			Justification		
			WXYZ-TV-		
			410-		
			Existing		
			Primary		
			Tower -		
			Tower		
			Rigging,		
			Tall Tower		
			v0		
Sub-total	\$751,850.00	\$803,378.00	N/A	\$337,517.00	N/A

Actual Information Description	File Name	
Tower Structural Analysis		
	Component Description:	Re-Run Analysis of 985' Guyed Tower w/optimized Re-Pack antenna
	Amount:	\$1,800.00
	Component Description:	Analysis 985' Guyed Tower
	Amount:	\$14,250.00
Tower Helicopter Lift		
	Component Description:	Helicopter Antenna Install
	Amount:	\$47,800.00

Major tower reinforcement /modifications	Information not provided.	
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.	
Michigan Sales Tax	Information not provided.	
PE Review of Rigging Plan	Component Description: Amount:	WXYZ-TV-410- Existing Primary Tower - Professional Engineer Review of Rigging Plan \$800.00
	Component Description: Amount:	WXYZ-TV-410- Existing Primary Tower - Professional Engineer Review of Rigging Plan \$3,200.00

Tall Tower (greater than 500')

Component Description: Weather Day 1/14

/20

Amount: \$20,925.00

Component Description: Installation

Services

Amount: \$13,611.70

Component Description: Install -Antenna

Weather day (11-

24-18)

Amount: \$7,800.00

Component Description: Transmission Line

Installation

Amount: \$25,951.50

Component Description: Transmission Line

Installation

Amount: \$25,951.50

Component Description: Main Antenna

Installation

Amount: \$54,446.80

Component Description: Installation

Services

Amount: \$72,058.50

Component Description: Additional Work

Amount: \$4,768.00

Component Description: Installation

Services

Amount: \$44,154.00

Outside Professional Services

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost
Outside Professional Services	\$162,989.00	\$166,109.00		\$79,409.65	
Michigan Sales Tax	\$0.00	\$0.00	N/A	N/A	N/A
Site Survey	\$17,684.00	\$17,684.00	N/A	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	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	N/A	N/A

RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	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	\$150.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$600.00	N/A

Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$94,010.00	\$99,675.00	Please see Estimated Cost Justification WXYZ-TV- 510-Project Management v0	\$78,659.65	N/A
Sub-total	\$162,989.00	\$166,109.00	N/A	\$79,409.65	N/A
Total for all systems	\$5,701,252.53	\$4,237,767.23	N/A	\$3,283,549.18	N/A

Actual Information Description	File Name
Michigan Sales Tax	Information not provided.
Site Survey	Information not provided.
RF Exposure Measurements	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	Prep of App for License to Cover CP for \$150.00 (out of an invoice total of \$300.00) needs to be processed under WXYZ-TV-530-RF Eng - Construction Permit Application (Main)
	Amount:	\$150.00
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	Comparison of Main and Auxiliary Repack Facilities and Updated Auxiliary 2.50 TPO Calculation \$375.00
	Component Description: Amount:	WXYZ-TV-530-RF Eng - Engineering Study for New Channel Assignment \$225.00
Prepare and or review reimbursement form	Information not provided.	
Project management of the transition		

Component Description:

Amount:

Project

Management \$5,976.40

Component Description:

Project

Amount:

management \$7,291.55

Component Description:

Professional Services

Amount:

\$75.00

Component Description:

Project

Amount:

Management \$7,810.95

Component Description:

Project

Amount:

Management

\$5,522.05

Component Description:

Preparation of 387 2019 Q2 Update

\$75.00

Amount:

Component Description:

Amount:

FCC Repack \$75.00

Component Description:

Project

Amount:

Management

\$269.05

Component Description:

Project

Amount:

Management \$2,546.45

Component Description:

Project Management

Amount:

\$6,697.45

Component Description:

Professional

Amount:

Services \$150.00

Component Description:

Project

Amount:

Management \$8,738.05

Project

Component Description:

Management

Amount:

\$64.80

Component Description:

Project

Amount:

Amount:

Management

\$3,786.65

Component Description:

Preparation of

STA and ERP/tpo

Calculations

\$75.00

Component Description:

Project

Management

\$2,238.95

Component Description:

Amount:

Amount:

FCC Repack

\$150.00

Component Description:

Project

Management

Amount: \$485.80 **Component Description:** Project

Amount: Management \$8,262.20

Component Description: Project

Management

Amount: \$6,066.20

Component Description: Project

Management

Amount: \$64.95

Component Description: Preparation of 387

Quarterly Update

Amount: \$75.00

Component Description: Project

Amount:

Amount:

Amount:

Management

\$2,957.20

Component Description: Project

Management

Amount: \$5,750.15

Component Description: Project

Management

Amount: \$2,965.80

Component Description: Professional

Services \$150.00

Component Description:

Project

Management

\$340.00

Other Expenses

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$127,745.38	\$128,319.08		\$44,769.72	
Employee Time	\$0.00	\$0.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$5,150.38	\$5,150.38	see Estimated Cost Justification WXYZ-TV- 610-MVPD Notifications v0	\$5,150.38	N/A
Develop and air announcement of upcoming channel change	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Equipment Storage	\$12,600.00	\$12,600.00	Please see Dielectric Order Confirmation 1192002	\$12,600.00	N/A
Equipment Delivery and Handling Charges	\$17,000.00	\$17,000.00	N/A	\$8,235.84	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$25,000.00	\$25,000.00	N/A	\$1,425.00	N/A
Non-zoning permits	\$25,000.00	\$25,000.00	N/A	\$5,184.80	N/A

FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A
Local Zoning	\$25,000.00	\$25,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$12,173.70	see Estimated Cost Justification WXYZ-TV- 610-Medical Facility Notifications v0	\$12,173.70	N/A
Michigan Sales Tax	\$0.00	\$0.00	N/A	N/A	N/A
Sub-total	\$127,745.38	\$128,319.08	N/A	\$44,769.72	N/A
Total for all systems	\$5,701,252.53	\$4,237,767.23	N/A	\$3,283,549.18	N/A

Actual Information Description	File Name	
Employee Time	Information not provided.	
MVPD Notification of Channel Change	Component Description: Amount:	MVPD Notification Services \$5,150.38
Develop and air announcement of upcoming channel change	Information not provided.	

	Component Descriptions	M/VV7 TV 640
	Component Description:	WXYZ-TV-610- Equipment
		Storage
	Amount:	\$12,600.00
	7	V. 2,000.00
Equipment Delivery and		
Handling Charges	Component Description:	Other Freight and
		Shipping
	Amount:	\$4,937.22
	Component Description:	FREIGHT AND
	Amount:	SHIPPING \$3.208.62
	Amount.	\$3,298.62
Disposal Costs (for		
equipment and other waste,	Component Description:	275g Tote
net of any salvage value)	Amount:	\$1,425.00
Non-zoning permits		
	Component Description:	Permitting
		Submittal
	Amount	Package
	Amount:	\$4,684.80
	Component Description:	Scope of
		Services
	Amount:	\$500.00
FCC Filing Fees - Form 2100	Information not provided.	
9		
license to cover application		
	Information not provided.	
license to cover application	Information not provided.	

Component Description:	Notification of
	Medical Facilities
Amount:	\$6,086.85
Component Description:	DTV Notification
Component Description.	Service
Amount:	\$6,086.85
Amount:	\$6,086.85

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$5,701,252.53	\$4,237,767.23	\$3,283,549.18

Reimbursem	entestatus	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

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 abovenamed applicant for the Authorization(s) specified above. Sravan V
Reddy ,
Reddy .
Senior
Director,
General
Accounting

11/30/2020

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.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- 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 abovenamed applicant for the Authorization(s) specified above. Sravan V
Reddy ,
Reddy .
Senior
Director,
General
Accounting

11/30/2020

Attachments